	<p align="center">H.P. Khadi & Village Industries Board <u>Cleave Land Shimla-171004</u> Ph. No. 0177-2652407, 2653229, 2812280, Telefax: 0177-2802724 e-mail: khadi-hp@nic.in</p>	
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No. Him. K&VIB/2/Rate Contract/V.I. Items//2024-25/

E mail: khadi-hp@nic.in

Website: <https://hipashimla.nic.in>

TENDER NOTICE

The Chief Executive Officer, H.P. Khadi & Village Industries Board (HPKVIB), Cleave Land, Shimla-171004 invites Tenders/bids under Two Bid System i.e. Technical Bid and Financial Bid from Original Equipment Manufacturers or Authorized Dealers/Suppliers for supply of various items/products FOR in the State of Himachal Pradesh. The rates will be applicable for a period of two year.

Sr. No.	Nature of work	EMD	Period of rate contract	Period of sale of tender document	Last date for submission of Tender	Date of opening of tender
1	Supply of various products/ items/ services etc	Rs. 50000/-	02 years	26/04/2025 to 15/05/2025 upto 5.00 PM	17/05/2025 upto 12.00 PM	Technical Bid 17/05/2025 at 2.00 PM Financial Bid: will be subject to evaluation & outcome of TB and will be announced later date

The tender documents can be purchased from the office of CEO H.P. Khadi & V.I. Board Shimla-4 on a payment of Rs. 5000/- (Non-refundable) through cash / DD drawn in favour of Chief Executive Officer, HPKVIB Shimla-4. The tender documents can also be seen/downloaded by visiting website: <https://hipashimla.nic.in>. The DD of Rs. 5000/- (non-refundable) in favour of CEO HPKVIB, as tender fee for downloading the tender documents, will have to be enclosed with the bid.

If the date of opening of Tender Notice is declared a holiday, the tender shall be opened on the next working date at the same time as fixed for the original date for this purpose.

Sd/-
Chief Executive Officer.

**H.P. Khadi & Village Industries Board, Cleave Land,
Shimla-171004.**

TENDER NOTICE SCHEDULE

**Inviting bids from Bidder for quoting rates of the products along
with full product specification on the prescribed format for supply
through HP Khadi & V.I. Board**

Tender No. 02/KVIB/VI products/2024-25/

Date of Issue of Tender:	26-04-2025
Last date and time for sale of tender:	15-05-2025 upto 5.00 PM
Period of Collection of Tender document:	26-04-2025 to 17-05-2025 upto 12.00 PM
Last Date & Time of Submission of Tender:	17-05-2025 upto 12.00 PM (By post or By hand)
Date & Time of Opening of Technical Bid:	17-05-2025 at 2.00 PM
Date & Time of Opening of Financial/Price Bid:	Opening of financial bids shall be subjected to evaluation and outcomes of Technical Bids
Address for submission of Tender:	Chief Executive Officer H.P. Khadi & Village Industries Board, Cleave Land, Shimla-171004. Tel No. 0177-2653229, 2652407 Email: khadi-hp@nic.in
Cost of EOI	Rs. 5000/- (Non-refundable)
Earnest Money Deposit(EMD):	Rs. 50000/- (Rupees Fifty thousand only) in the shape of Demand Draft in favour of C.E.O. H.P. Khadi & Village Industries Board, Shimla-4

If the date of opening of bid is declared a holiday, the tender shall be opened on the next working date at the same time as fixed for the original date for this purpose

CHECK LIST OF THE DOCUMENT TO BE ATTACHED WITH TECHNICAL BID OF THE TENDER FORM

Note: 1) Please check whether the copies of the following document have been attached with the tender or not.

2) All Technical Bid document (**along with Annexure A to F**) must be submitted separately in sealed **Envelop-I, Technical Bid**.

S.N.	Particulars	Yes	No
1.	Whether the bidder is a Original Equipment Manufacturer (OEM) or Authorised Dealer/ Distributer / Supplier.		
2.	Udyaog Aadhar/ Udyam Registration/EM-II		
3.	Quality certificate as valid ISO 9001:2015		
4.	Tender Form with Application duly filled in and Terms & Conditions, guidelines, Code of Conduct, undertaking(Annexure-A,B,C,D,E) duly signed with signature of the bidder or his/her authorised representative on each page of the Tender Document as acceptance of terms & Conditions, guidelines & code of conduct contained in the Tender Document.		
5.	Earnest Money of Rs. 50000/- Deposit as mentioned in the tender form in the form of Demand Draft in favour of CEO H.P. Khadi & Vill. Industries Board Shimla-4.		
6.	IT Return for the last 3 years		
7.	Undertaking as per Annexure-“F” (affidavit on Rs. 100/-)		
8.	Self Attested copy of PAN(Permanent Account Number) issued by the Income Tax Department. In case of partnership firm the PAN should be in the name of Firm only.		
9.	Self Attested copy of GST(TIN) issued by GST authorities.		
10.	Bidder Profile duly filled in, signed & Stamped-“A”		
11.	Receipt of Tender Form (Rs. 5000/-) attached		
12.	BIS certificate (If available)		
13.	Test report of Item(s)/ product(s) from NABL, if available		
14.	Local Area service centre/office, Proof thereof		
15.	Experience certificate of similar nature of work/ work done order executed with any Govt./Semi-Govt. deptt./ office/PSUs.		

16	Average Turnover certificate duly certificated by CA		
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Checklist of enclosed documents in "**Envelope II**": "**Commercial Bid**":

S.N.	Particulars	Yes	No.
1.	List of Items filled with unit rates duly signed and stamped.		
2.	Mentioned the complete specification of the item where it is not mentioned & required to be filled with unit rates.		

**Sign & Seal
of the Bidder**

ANNEXURE-“A”
H.P. KHADI AND VILLAGE INDUSTRIES BOARD,
CLEAVE LAND, SHIMLA-171004.

INTRODUCTION:

Section-I:

Bids are invited from bidders for quoting supply rates of the products along with full product specifications on the prescribed proforma as mentioned in **Annexure-“I, II, III, IV, V & VI”** for a period of two year to be sold through outlet of the Board within Himachal Pradesh. Tender document can be obtained from the office of CEO H.P. Khadi & V.I. Board Shimla-4 or download the same from the website <https://hipashimla.nic.in> on cash payment of Rs. 5000/-(Rupees Five thousand only) or D.D. thereof be submitted as proof of payment at the time of submission of tender documents (non-refundable).

Section-II

(A) SHORT TENDER SCHEDULE :

Date of Issue of Tender:	26-04-2025
Last date and time of sale of tender:	15-05-2025 upto 5:00 PM
Period of Collection of Tender document:	26-04-2025 to 17-05-2025 upto 12:00 PM
Last Date & Time of Submission of Tender:	17-05-2025 upto 12:00 PM (By post or By hand)
Date & Time of Opening of Technical Bid:	17-05-2025 at 2:00 PM
Date & Time of Opening of Financial/Price Bid:	Opening of financial bids shall be subjected to evaluation and outcomes of Technical Bids
Address for submission of Tender:	Chief Executive Officer H.P. Khadi & Village Industries Board, Cleave Land, Shimla-171004 (Tel No. 0177-2653229, 2652407 Email: khadi-hp@nic.in)
Cost of Tender Document	Rs. 5000/- (Non-refundable)
Earnest Money Deposit(EMD):	Rs. 50000/- (Rupees Fifty thousand only) in the shape of Demand Draft in favour of C.E.O. H.P. Khadi & Village Industries Board, Shimla-4

(B) Eligibility Criteria: Original Equipment Manufacturers/Authorised Dealers/Supplier/Distributers can participate

2.1. In case of Original Equipment Manufacturers, the following documents must be uploaded:-

(a) The Original Equipment Manufacturer is required to submit the manufacturing certificate i.e. Udyog Aadhaar /Udyam registration/EM-II for requisite/quoted item(s) or registered with Industries Department of any State Govt. or MSME Govt. of India.

(b) In case of Authorized Dealers/Suppliers/Distributers, following documents must be uploaded:-

In case of authorized dealers participate in the tender, tenderer(s) are required to submit proper authority letter(s)/authorization(s) from their Original Equipment/Principal Manufacturing firm(s) in origin on their letter pad(s) for quoted item(s) in which the participating firm has been authorized to participate, quote the rates and supply the material on behalf of the Original/Principal Equipment Manufacturing firm(s) in Himachal Pradesh along with validity period of dealership.

2.2. The Bidder should submit Quality certificate as valid ISO 9001:2015 certificate.

2.3. The Bidder shall provide minimum of one year or as indicated by the Original Equipment Manufacturer/Authorised Supplier/Distributor/Dealer, whichever is higher, onsite warranty for the item/product/equipment etc. to be supplied under this tender/agreement. The undertaking to this effect be submitted as per **Annexure-“F”**

2.4. The Bidder must have local sales/service centre in H.P. and dealing with any H.P. Govt. body. Documentary proof/evidence in support of the above must be submitted (E&T registration, Registration/License under Office & Establishment Act etc). In case of any complaint about the product/services same should be attended within 24-48 hours by the bidder. The bidder must furnish undertaking to this effect. (**Annexure-“F”**)

2.5. The Bidder must have experience certificate of similar nature of work/work order of minimum amount of Rs.10.00 lakh from any Govt./Semi-Govt./PSU

corporate sector duly supported by proof in the last 3 financial years (i.e. 2021-22, 2022-23, 2023-24).

- 2.6. In case of evidence of cartel formation by the bidder(s), the EMD is liable to be forfeited along with other action like filling complaint with the Competition Commission of India and/or other appropriate forum or debarring of firm(s) in future bidding for a period of more than 3 to 5 years.
- 2.7. Bidder must submit average Turnover certificate duly approved/verified by CA, in case of Original Equipment Manufacturer it must have minimum Rs. 3.00 crore turnover and in case of authorised dealer/supplier it must be Rs.4.00 crore in the last 3 financial year.
- 2.8. The Bidder must submit IT returns for the last 3 years (i.e. 2021-22, 2022-23, 2023-24).
- 2.9. **Certification and Testing:** The bidder should either have & submit necessary approval and calibration & Testing report from NABL at Bidder's cost only or submit undertaking to this effect (**Annexure-“F”**) that the same will be made available/supplied as and when required by the consignee Deptt./Office or Khadi Board.
- 2.10. Demand Draft for an amount of Rs. 50,000/- (Rupees Fifty thousand only) drawn in favour of Chief Executive Officer, H.P. Khadi & Village Industries Board, Shimla-4, payable at Shimla. The DD is to be enclosed with the technical bid failing which the bid will be rejected outright. Bidders are requested to write their Name and Full address at the back of the Bank Draft submitted.
- 2.11. **Tender Form Fee:** The bidders/tenderers will have to make payment of Rs. 5000/- (Rupees Five thousand only) non-refundable online or cash in respect of tender form fee & processing charges and copy of the receipt thereof be submitted with the tender document.
- 2.12. **Earnest Money:** The bidders/tenderers will have to deposit (EMD) of Rs. 50,000/- (Rupees Fifty thousand only) for this tender in the shape of Demand Draft in favour of the Chief Executive Officer, H.P. Khadi & Village Industries Board, 171004. Proof of EMD must accompany the application form. Any application without the Earnest Money shall outright be rejected.

2.13. Performance Security: The successful bidder will have to deposit performance security of Rs. 75000/- (Rupees seventy five thousand only) in the shape of D.D. in favour of CEO, H.P. Khadi & Village Industries Board, Shimla-171004. However, The Earnest Money of successful bidder shall be converted into Performance Security deposit with the Board on the successful empanelment of the party and the balance amount of performance security be submitted through DD at the time of execution of agreement. The performance security will remain valid till the party remains registered with the H.P. Khadi & Village Industries Board hereinafter called Khadi Board. No interest will be paid on the security money. This performance Security Deposit will be refunded to the party after 60 days of the closer of the contract with the party.

2.14. Any violation of the terms and conditions and Code of Conduct shall lead to the blacklisting of the party & the Performance Security Deposit will be forfeited.

2.15. Submission of Samples: Following the technical evaluation one master sample (same models/ specifications which have been quoted in bids) of each product (especially for FORMAT-IV-Tablets and Smart Phone etc) shall be submitted by each technically qualified bidder at the office of CEO H.P. Khadi & V.I. Board Shimla, (H.P.), for quality assessment and a walk around demonstration of all the articles. A committee constituted for the purpose or the department concerned will evaluate the demo samples based on the specification mentioned in the tender document. Only those bidders whose documents and samples meet the required standards during the technical evaluation and samples assessment, will be considered for the opening of financial bids. The final purchase order/ Supply order will be issued only after due satisfaction of the department concerned. The tablets and smart phones etc to be supplied should have the feature of uploading the specific educational contents for Children with Special Needs (CwSN) which is free of cost available on the DIKSHA PORTAL and PM e-Vidya Portal.

Section III: PROCEDURE FOR SUBMISSION OF BIDS:

3.1. There shall be a two envelop system followed in this EOI. The Bids should be submitted in the following manner:

a) Technical Bids containing offer details, EMD, GST NO. PAN No., guidelines, terms & conditions and code of conduct& other requisite

documents as per annexure-“A,B,C,D,E and Undertaking-“F”etc. in the first envelop submitted as TECHNICAL BID.(As per Check List)

b) Financial Bid in the prescribed format as per annexure “I-VI” in the second envelop super scribed as Financial Bid. Each page of the financial bid shall be invariably signed and affix the seal of the Firm/Bidder.

- 3.2. Both the sealed envelopes should then be enclosed in a single envelop which should bear the name of the Bidder and should be super scribed as **“Bidder for Parallel Rate Contract for items/products to be sold through Sale outlet of Khadi Board”**.
- 3.3. The main envelop thus prepared should also indicate clearly the Name, Address and Tel. No. of the Bidder, in order to return the bid unopened to the Bidder, for any reason whatsoever.
- 3.4 Bidder Application Form and Technical Bid shall be opened on the prescribed date and time. No decision regarding disqualification or rejection of any bid shall be conveyed in Bid opening process/ section.
- 3.5. Bids received after due date & time are liable to be rejected straightaway, and shall be returned un-opened to the bidder.

Section-IV: EVALUATION OF PROPOSAL:-

Two stage evaluation will be taken up for identification of successful bidder:-

- 4.1 Application Form and Technical evaluation.
- 4.2. Financial evaluation:

The Bidders who are technically qualified will be eligible for financial evaluation. The Bidder shall be empanelled on the basis of Lowest Cost/rate(L1). The cost/rate should be both in figures and words, in Indian Rupees. In the event of any difference between figures and words, the amount indicated in the words shall be taken into account.

- 4.3 The date of opening of financial bid shall be announced to the technically qualified bidders only after the evaluation of technical bids.

Section V: Rate to be quoted F.O.R. destination

- 5.1. All rates must be quoted for delivery F.O. R. destination in H.P.

5.2. The rates should be quoted as per the unit specified in the BOQ(Bill of Quantity)/price schedule only. The item(s) in which tenderers/bidders don't want to quote the rate should keep that column(s) **Blank. In case of any overwriting/tempering in the rates of the item(s) in the intended column(s) same will be rejected or not considered for financial evolution.**

5.3. Taxes: The rates should be inclusive of all other levies & taxes. However, GST as & if applicable will be charged extra.

Section-VI: Payment Clause:

6.1. No advance payment towards certificate of production will be made to the supplier.

6.2. Payment towards the supply of goods will be made only after receipt of payment from the consignee subject to production of certificate of goods received by the consignee in good condition & quantity and also as per the specification of the supply order.

6.3. The payment will be made through RTGS/NEFT for which the supplier shall furnish the relevant Bank details viz. Name of the Account Holder, A/c No., Bank Name & Branch, IFSC Code etc.

Section VII: Handling Charges of the Board;

7.1.The Khadi Board shall charge 10% administrative charges on net sales. The consigners must obtain a certificate/ receipt from indenters that goods received are in good condition and according to the supply orders specifications and produce the same to the concerned sale shop/outlets DO/ADO/Incharges for release of payment. After submission of this certificate i.e. (Supply Order Specification Certificate) by the consigners, the due sale proceeds shall be released through NEFT/RTGS/Cheque to the Consignors.

7.2.The Khadi Board shall share the handling charges earned on the actual sales/supply order (excluding GST) executed by a vender/supplier with the concerned vender/supplier, only on the amount exceeding the threshold limit of Rs. 2.00 crore or as may be decided/fixed from time to time by the competent authority of the Board on supply orders exceeding the threshold limit, executed in a particular financial year. The Board shall share handling charges with the

concerned vender(s)/supplier(s) in case of threshold limit being exceeded by the vender/supplier during a financial year as under:-

1. Above Rs.2.00 crore and upto Rs. 3.00 crore:- 1.5% of handling charges

2. Above Rs. 3.00 crore :- 3.0% of handling charges

The claim on this account shall be preferred by the claimant i.e. concerned vender/supplier through the district office/Sale Shop and the same shall also be duly verified by the concerned district officer or Sale shop Incharge of the Board as per record & actual sales executed by the vender/supplier in the district. Further the claim(s), if any, will be settled by the Board at H.O. level after the end of that financial year.”

Section VIII- Award of Contract

The firm will be issued letter of award after executing the agreement with the H.P. Khadi & Vill. Industries Board and depositing of performance security of Rs. 75000/- through D.D. in favour of Chief Executive officer, H.p. Khadi & Village Industries Board, Shimla-171004.

Section IX: Right to accept or Reject the tenders.

The Chief Executive Officer, H.P. Khadi and Village Industries Board reserve the right to reject/approve all or any of the tender(s) without assigning any reason thereto.

Signature & Seal of the Bidder

Annexure-“B”

**(This is to be given on the letter head of the applicant/
bidder)**

Sub:- Inviting bids from Bidder for quoting supply rates of the products along with full product specification on the prescribed format

Bidders Profile:-

Name of the bidder		
Nature of the bidder (Please tick):	Individual	Firm/Company
	Original Manufacturer	Authorised Dealer/ Distributer/Supplier
Full address& registered Office of Bidder		
Registration No.,		
Telephone No.		
Mobile No.		
Email		
Name of the Proprietor/ Firm/Partnership/Company/ Cooperative Society with Complete resident address.		
Aadhar No. (Pl. attach Copy)		
Full address of Operating/ Branch Office along with Head Office		
GSTIN No. (Attach Copy)		
PAN No. (Attach Copy)		
Please enclose copy of IT return for the last 3 assessment years (i.e. 2021-22,		

2022-23, 2023-24)	
Whether the Firm/bidder quoting rates for all items or selected one as per Annexure “I-VI” of Product Specification Form (Pl. Specify)	
Udyog Aadhar/ Udyam Registration/ EM-II Registration	
Tender Fee Receipt No. and date or DD No. and date	
Earnest Money Deposited details (D.D. No and dated)	
Bidder should submit valid ISO 9001:2015 certificate.	
Certification and Testing: The bidder must submit valid necessary approval and calibration for the items quoted from NABL etc. or undertaking to this effect (Annexure-F) that same be supplied/submitted as and when required for the purpose.	

DECLARATION:

All the information provided by me/us is correct

Certified that I/We have read the guidelines, terms & conditions and code of conduct supplied with this tender document from page No. to

Name of the Bidder:

Address of the Bidder:

Email ID:

Telephone No.:

Signature of the Bidder
With Seal

Annexure-“C”

**H.P. KHADI AND VILLAGE INDUSTRIES BOARD,
CLEAVE LAND, SHIMLA-171004.**

GUIDELINES

1. Offers acceptable only in SEALED COVER and on prescribed bid form.
2. Confirmation of deposit of processing /tender fee. (Original copy of receipt attached with tender) is mandatory.
3. The envelopes containing rates/offers must be properly sealed and super subscribed as OFFER FOR INVITING RATES FOR VARIOUS ITEMS TO BE SUPPLIED ON PARALLEL RATE CONTRACT THROUGH THE SALE SHOPS/ OUTLETS OF THE H.P. KHADI & VILLAGE INDUSTRIES BOARD. If the envelopes are not sealed and marked as required above, the Board will assume no responsibility for the bids misplaced or pre mature opening.
4. The detailed “**Technical Bid**”, Contains Introduction, Bidder’s Profile, Guidelines, “Terms & Conditions of business”, “Code of Conduct”& Undertaking, are enclosed as Annexure-“A”,“B”,“C”,“D”“E” & “F” respectively along with Application Form and “**Financial Bid**” contains “Product Specification Performa” “I to VI” respectively. **In case where the product specification are not mentioned in the format, the Bidder will have to mention the specification of each item for which they are quoting the rates failing which the same will not be considered.**
5. Earnest money(EMD) of **Rs. 50000/- (Rupees Fifty thousand only)** in the shape of DD drawn at Shimla in favour of the Chief Executive Officer, H.P.Khadi & Village Board Shimla-171004 must accompany the application form. Any application without the earnest money shall out rightly be rejected.
6. The earnest money shall be taken as security by the Board till the rates are valid or two year from the date of circulation of approved/new rates whichever is later. No. interest will be paid on the security amount.
7. The Successful/Approved Bidder will have to execute an agreement with the Board for supply of products/services.
8. The consignor should satisfy himself of the terms of business stipulated in the Tender Form prior to submitting the rates.
9. Please attach undertaking/declaration of **Annexure-“F”** (enclosed) on affidavit duly attested by the Public Notary/Oath Commissioner.
10. The H.P. Khadi & Village Industries Board may finalize the rates of each items/products who shall offer lowest rates and items shall be as per required quality and specifications. The approved/lowest rates may be considered on Parallel rate contract by the Committee constituted for the purpose.

11. Rates/Offer sent through telefax/telegram/packs/e-mail shall not be acceptable.
12. The bidder shall bear all costs associated with the preparation and submission of its offer, the H.P. Khadi & Village Industries Board will not be responsible or liable for these costs, whether the offer is finally accepted or not.
13. The bidder is expected to examine the document carefully. Failing to furnish information required as per the offer, the Tender document may result in the rejection. Incomplete form will out rightly be rejected.
14. The rates once submitted can not be amended.
15. The offer will be opened on **17-05-2025 at 2.00 PM** in the presence of the representative of the agencies/firms quoting for the rates if they wish to be present. Only one representative of the agency/firm quoting the rates/offer would be permitted to participate in the tender opening process.
16. All the columns of the offer document and the check list must be properly, neatly & legibly filled in. There should be no overwriting. Documents filled with lead pencil will not be considered/acceptable.
17. The detailed specification and brand name, ISI/ISO etc specifications wherever required be given by the party while offering rates as per annexure “**I to VI**” only. Each Page of the Product Specification Format (Financial Bid) should be duly signed & stamped by the bidder
18. Incomplete applications and rates without specification will out rightly be rejected.

Name of the Bidder:
Address of the Bidder:
Email:
Tel. NO./Mob. No.

Signature of the Bidder
with Seal

Annexure-“D”

H.P. KHADI AND VILLAGE INDUSTRIES BOARD, CLEAVE LAND, SHIMLA-171004.

TERMS AND CONDITIONS

1. The Tenderer(s) offering bid(s) should offer rates only for those items/products for which it is a manufacturing/Registered with DIC/Authorised Dealer having valid dealership/authorisation certificate or Registered with E&T department, failing which the offer shall not be considered.
2. The tender in a sealed cover shall comprise two separate envelopes. Each envelope shall contain separate Technical Bid comprising INTRODUCTION, BIDDER's PROFILE, GUIDELINES, TERMS & CONDITIONS, CODE OF CONDUCT", along with UNDERTAKING (ANNEXURE-“F”) in the first envelope as **Technical Bid** and in second envelope containing **“FINANCIAL BID** (Product Specification Format for quoting rates, Annexure-I to VI)”.
3. The envelope shall be marked as **TECHNICAL BID & FINANCIAL BID** in bold and legible letters to avoid any confusion. Both the sealed envelopes should then be enclosed in a third envelope which should bear the name of the Bidder and should be super scribed as **“Bidder for Parallel Rate Contract for items/products to be sold through Sale outlet of Khadi Board”**.
4. The main third (3) envelope thus prepared should also indicate clearly the Name, Address and Tel. No. of the Bidder, in order for bid to be returned unopened to the Bidder, for any reason whatsoever
5. Initially, only the envelope marked: Technical Bid containing Annexure-“A”, “B”, “C”, “D”, “E” & “F” shall be opened. No. decision regarding disqualification or rejection of any bid shall be conveyed in bid opening session.
6. The envelope marked as FINANCIAL BID shall be retained in the custody without being opened.
7. During the technical evaluation no amendments in the technical bid/proposal shall be permitted.
8. The Financial Bid shall be opened publically at a time, date and place/venue announced and communicated to the technically qualified bidders in advance.
9. After the evaluation and approval of the technical proposal, the FINANCIAL BID shall be opened. The financial bid found technically non-responsive shall not be considered.
10. Procedure of finalization of supply rates:- The H.P. Khadi & Village Industries Board shall finalize the rate of items/products to be supplied

through Sale Shop/outlets of the Board on competitiveness of rates i.e. L1 basis. The responsibility of the quality shall be determined and assured both by the concerned district officer(DO/ADO/ I/c ADO Office) and the firm/party. After Sales service and replacement of products wherever required shall be done by the parties at their cost and risk. Failing to provide such service will tantamount to forfeiture of Performance security & blacklisting of the consignor party.

11. The rates quoted and accepted will be binding on the tenderer/bidder for full contract period and any increase in the price will not be entertained till the completion of contract period. However, the re-validity period upto further one year at same rate, terms & conditions etc with the consent of supplier may be allowed subject to the approval of the authority.
12. No minimum or maximum quantity is in the rate contract. The actual quantity may vary from nil to maximum required quantity during validity period of Rate Contract.
13. The Board reserves the right to conclude one or more than one Rate Contract for the same item.
14. The Board is entitle to place purchase order upto the last day of validity of RC and , though supplies against such purchase order will be effected beyond the validity period of the Rate Contract. All such supplied will be guided by the terms & conditions of the Rate Contract.
15. The H.P. Khadi & Village Industries Board shall charge 10% as handling/administrative charges on the net sales as per the existing procurement/consignment /MSG policy of the Board. The Consigner must obtain a certificate/receipt from the intenders that goods received are in good condition and according to the supply order specifications and quantity and shall produce the same to the concerned outlets/DO/ADO/ Incharge for release of payment through NEFT/RTGS/Cheque to the consignors.
16. The Board shall share the handling charges earned on the actual sale/supply order(excluding GST) with the concerned vender/supplier, only on the amount exceeding the threshold limit of Rs. 2.00 crore or as may be decided/fixed from time to time by the competent authority of the Board on supply orders exceeding the threshold limit executed in a particular financial year.
17. All expenditure (including taxes) towards freight/transportation, and other incidentals incurred on supply of items including insurance shall be borne by the Consignor's. Goods to be supplied by the consignor's on F.O.R.
18. The staff of the party (if deployed) will work under the overall supervision and control of the concerned field officer i.e DO./ADO/Incharge Sale Shop and the staff shall have to ensure good

- conduct failing which the Board will be at liberty, to terminate the arrangement.
19. In case of any complaint from the customers regarding the quality of the product, the party shall be solely responsible and the replacement of goods, if ever, shall be at the cost of party/firm. The decision of the concerned field DO/ADO/Incharge in the matter shall be final.
 20. Any dispute in the business/deal shall be settled by mutual negotiation.
 21. Employees of the Board or their relation cannot take part in the tender.
 22. Sales tax/GST/Service tax/VAT No. must be obtained by the party (wherever applicable) in case of new unit only.
 23. The tender opening committee reserves the right to accept or reject any or all offer without assigning any reason(s)
 24. Parties or its/their associated firms/associates etc. who are/were in dispute or are/were having court cases against the H.P. Khadi & Village Industries Board are not eligible to participate in this tender.
 25. The approved parties shall not be authorised to deal in similar business through other Boards/Corporations/Bodies etc. within the State of H.P.
 26. Conditional offer/tender will be out rightly rejected.
 27. The items listed to be sold be given with detailed specification and brand name of manufacturers as per **Annexure-“I to VI (Product Specification Format”**.
 28. Only registered parties will be eligible for effecting supplies (after the rates are finalized and circulated) who have participated.
 29. Earnest money for inviting rates/ Expression of Interest shall be Rs. 50000/-
 30. The parties will submit the rates on the prescribed products specification Performa. The offer will not be accepted on any other format.
 31. The parties shall indemnify the Khadi Board against any loss suffered by it on account of non-performance of its obligation relating to customer's service, maintenance of quality, delivery etc. and shall be solely responsible for the consequence thereof.
 32. The parties shall also indemnify Khadi Board in connection with any liability incurred by it towards any third party in whatsoever manner arising from transactions made under this agreement.
 33. Firms/parties should not be blacklisted by any Govt. department/Boards/Corporations there in the form and an undertaking to this effect should be submitted.
 34. Firms/parties registered with other organisation i.e. GIC/ HIMFED/ HANDICRAFT & HANDLOOM/ HPSIDC or any Govt./Semi Govt. organisation etc. are not eligible to participate.
 35. Every page of Tender document/EOI should be duly signed and stamped by the firms/parties.

36. This Tender/bids/EOI is subject to the jurisdiction of the local court at Shimla only. All dispute arising out of the Expression of Interest shall have the jurisdiction of the local courts situated at Shimla only.
37. **Price Fall Clause:** The offer of rates by the Tenderer/bidder will be subject to price fall clause i.e. if any item is offered at a lower rate by the tenderer/bidder to any other State Party in Himachal Pradesh, he/she shall not charge higher rate for the item offered in the tender. In the event of that the differential amount shall be recovered from him/her and can be blacklisted for future supplies in Government Departments of the State. The quoted rates shall be applicable for two(2) year from the date of award of contract.
38. The supplier/bidder shall furnish Certificate of Quality Control (Analysis Report/Test or Laboratory Report) of the product(s) on its own cost as & when required by the ultimate customer/ purchaser from independent agency or any other agency approved/accredited by the State or Central Govt. that the product is uniform in price, size & colour, material used as per the specification(s). The supplier will provide free of cost facilities to the inspecting agency, in case it is desired by the purchaser, for taking samples.
39. The supplier shall invariably furnish the certificate to the effect that the product supplied under the contract are correct as to quantity, quality, rate and total value and the payment is due in accordance with the terms of contract/agreement.
40. The ultimate purchaser reserve the right, in its option & cost, to have material/product inspected before supply/shipment in regard to quality and specification. The supplier shall tender the material/product for inspection to the ultimate purchaser and supply shall be effected only after the material is inspected.
41. Sealed and Super Subscribed envelop 1& 2(**Technical & Financial Bids**) shall be enclosed in a bigger envelop and the same should be properly sealed & super subscribed in bold OFFER FOR INVITING RATES FOR VARIOUS ITEMS TO BE SUPPLIED ON PARALLEL RATE CONTRACT THROUGH THE OUTLETS OF THE H.P. KHADI & VILLAGE INDUSTRIES BOARD. The Same should reach in the office of Chief Executive Officer, H.P. Khadi & Village Industries Board, Cleave Land, Shimla-171004 on or before **17-05-2025 by 12.00 PM** positively.
42. **Force Majeure:** If at any time during the continuation of this contract either party is unable to perform the whole or in part any obligation under this contract because of war, hostility, civil commotion, sabotage, quarantine restriction, acts of God fire, flood explosion epidemic, strokes, embargoes, then the date of delivery of the product shall be extended for the period force majeure condition was operative.

43. The Bidder must submit Test Report(s) for the items, wherever required by the Consignee Department/office/Board for products confirming to IS specification of quoted items from the National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited Laboratories in India (not more than 2 years old at the time of demand). The test report should be in the name of participating/manufacturing firm/company for requisite items/codes. The bidder/firm will have to bear the cost of testing. The undertaking to this effect be submitted (Annexure-“F”).
44. **BIS Certificate:** The Bidder(s) quoting the rates for requisite item(s) as per specification must submit copy of valid BIS certificate for requisite item(s) along with complete details of items/Sizes/dias/ covered in BIS Licence **(If available)**. The bidder must submit requisite certificate/undertaking wherever asked for/required by the consignee Department/office/Board. Preference will be given to BIS marked products. The undertaking to this effect be submitted(Annexure-“F”)
45. The Bidder must submit samples to department/office/Board whenever asked for/required. Such samples must be submitted and delivered in person or through authorised representatives to the consignee department/office/ Board. Sample should bear a seal label, marked with the tenderers/bidders name and address and reference to the item No. in the List of items. The undertaking to this effect be submitted (Annexure-“F”)

Signature of the bidder.

(with Seal)

Name of the bidder:

Address of the bidder:

Email: Tel. No./Mob. No.:

Annexure-“E”

**H.P. KHADI AND VILLAGE INDUSTRIES BOARD,
CLEAVE LAND, SHIMLA-171004.
CODE OF CONDUCT**

1. The credibility of the parties/firms will be of paramount importance to the H.P. Khadi & Village Industries Board.
2. Quality of the products being sold through the H.P. Khadi & Vill. Industries Board should be maintained and should be in no way inferior to similar products in the market.
3. Confidentiality of the terms, handling charges and the agreement between the parties and the H.P. Khadi & Village Industries Board should be maintained. Further H.P. K&VI Board and the parties are expected to maintain confidentiality of business matters of the parties/ Board which is learned in business association.
4. Complete & Correct information of the products are to be conveyed to the customer. Misleading or exaggerated claims about the product to be avoided. The parties shall in no way pressurize or implore the customers.
5. Wherever applicable the selling price is to kept within the listed MRP and the same should be comparable with the prices of similar products in the market .
6. The H.P. Khadi & V.I. Board reserve the right to impose and control the selling price of the products of the parties to avoid high profit making.
7. The H.P. Khadi & Village Industries Board has a discount schedule and the parties will harmonize their discount accordingly .
8. Correct information of the products is to be conveyed to the customers. Misleading or exaggerated claims about the product to be avoided .
9. There should be complete harmony between the parties and the staff of the Sale Shop.No one is expected to put forth his/her problem directly to the HQ of the HPKVIB without bringing the matter to the concerned Incharge /District Officer. In case the parties is not satisfied with the action of these officials on the grievances the parties should send a representation in writing to the HQ with copy to the concerned District Officer.
- 10.The H.P.KVI Board may carry out the publicity campaign in Audio/Video and News paper media . The product of the parties will also receive due publicity . Parties are expected to share the costs on proportionate basis in consultation with the District Officer & Incharge concerned.

Place.....

Date:.....

Signature with Seal
Of the Bidder/ Firm

Annexure-“F”

**DECLARATION REGARDING ACCEPTANCE OF TERMS AND CONDITIONS
CONTAINED IN THE TENDER DOCUMENT.**

(Affidavit on Rs. 100/- duly attested by Public Notary /Oath Commissioner)

FORMAT FOR PROVIDING UNDERTAKING

The

.....

.....(Designation & Address)

1. I/We, the undersigned certify that I/we have gone through all the “Eligibility criteria”, “terms & conditions”, “guidelines”, “code of Conduct” etc. mentioned in the tender document and declare that all the terms/provisions of this tender document are acceptable to me/my company/firm& undertake to comply with them.
2. I/We certify that I am the authorized signatory of my company/firm and I am therefore competent to make this declaration.
3. The rates quoted by me/us of the items are competitive & valid. The L1 rates of the items finalized by the Khadi Board are binding upon me/us for the entire period of the contract. In case of exaggerated rates(L1) of any item quoted by me/us, I/We shall be liable for the same and agree to bear the loss to the department/ Khadi Board.
4. I/We, the undersigned hereby bind myself to Khadi & Village Industries Board for providing products as per specification for the period of the contract.
5. The security money deposited by me/us shall remain in the custody of the C.E.O. H.P. Khadi & Vill. Industries Board, till expiry of the contract.
6. The condition herein contained shall form part of and shall be taken as included in the agreement itself.
7. I/We have neither been penalized/debarred nor blacklisted by any authority/institution in the state of H.P for providing unsatisfactory work/products/services. Further there is no pending dispute regarding product quality/services etc. If the facts are to be proved concealed by the product/service provider/bidder, he/she will not only be debarred from participation in the tender and also action under criminal law will be taken against him/her.
8. That myself/my company/firm is not a registered supplier with any other state/govt. dept./PSU for their currently valid Rate Contract(s), for similar items as listed in this tender of HP. K&VIB.
9. I/we hereby undertake to submit requisite certificate/undertaking wherever asked for/required by the consignee Department/office/Board for quoting the rates for requisite item(s) of requisite specification(s) and

- submit copy of valid certificate for requisite item(s) along with complete details of items/Sizes/dia/ etc covered under Licence as & when required.
10. I/we hereby undertake to submit samples to department/office/Board whenever asked for/required. Such samples must be submitted and delivered in person or through authorised representatives to the consignee department/office/ Board.
11. I/we hereby undertake to provide minimum of one year or as indicated by the Original Equipment Manufacturer/authorised supplier/dealer/ Distributer, whichever is higher, onsite warranty for the item/product/ equipment etc. to be supplied under this tender/ agreement.
12. I/We hereby undertake to submit that in case of any complaint about the product/services same should be attended within 24-48 hours by the bidder/supplier of the item/product.
13. **Certification and Testing:** I/We hereby undertake to submit that valid necessary approval and calibration & Testing report from NABL etc. of the requisite item/product be supplied/ submitted as and when required for the purpose by the Khadi Board/ Consignee Deptt./Office.

Yours faithfully

Name _____
Designation _____
Company/Firm _____
Address _____

**H.P. Khadi & Village Industries Board, Cleave Land, Shinmla-
171004.**

Details of pages contained in the Tender Documents (STN):

Sr. No.	Particulars	Annexure	Page(s)
1.	TENDER Schedule	
2.	Checklist	
3.	Introduction	Annexure-“A”	
4.	Bidder’s Profile	Annexure-“B”	
5.	Guidelines	Annexure-“C”	
6.	Terms & Conditions	Annexure-“D”	
7.	Code of Conduct	Annexure-“E”	
8.	Undertaking/Declaration	Annexure-“F”	
9.	Product Specification Details:	I,II,III,IV,V & VI	

During the field Staff meeting held on 5th& 6th September, 2023 at Shimla under the chairmanship of CEO, H.P. K&VIB, the following points emerged/suggested during the deliberation on the agenda item No. 8 (Action Plan/Suggestions, if any, for generating additional income through effective implementation of schemes & policies and proper utilization of Board's properties.

During the deliberation on the agenda item it was reported by the district officers/ sale shop incharges that our sale are also hampering due to the following reason(s):

- 1. Not having any negotiating clause regarding rates of the items/products in our consignment policy or in tender documents, in case the consignee deptt/office have either budget constraint or having less rates quoted by our competitors.**

- 2. In some cases the supply order consists of items/products not covered under the approved rate list of parallel rate contract.**
- 3. The venders/suppliers should be given some incentives for bulk supply orders as this will surely motivate and encourage them to work more efficiently and strive to generate more supply orders with the consignee deptt/office.**
- 4. There is urgent need to upgrade/renovate the offices/sale shops of the district office of the Board with modern office equipment's like computers, furniture etc, digital payment facility for customers in sale shops depending upon the performance/earning of the district concerned. Further the staff concerned may be incentivise for his/her good performance in order to motive them and others to strive more excel in sales targets.**

Recommendations are as under:-

1. In the event of purchasing/consignee department/office claiming discount on tendered price/approved rate of items/products on account of large volume of supply order or any other reason(s) or/and our competitors like Handicrafts & Handloom Corp., HPGIC, HIMFED, HPSIDC, HP State Civil Supplier Corp., GeM etc, offer even more competitive/lower rates to procure the bulk supply order from the consignee Deptt./Office in comparison to approved rates of items/products of parallel rate contract by the HPKVIB, then the Board will be at liberty to quote less rate with prior consent of the empanelled vender(s) who agree(s) to quote less rate for the procurement of said order. Further, If the Empanelled venders/suppliers agree, in writing, to supply the items/products at negotiate rate/lower rate to the deptt./office for the reason stated above, then Board on behalf of the said vender/supplier may accordingly quote the same rate to the Deptt./office concerned and the Board will charge handling charges @ 10% on the actual sales (negotiated rates) and not on the approved rates of parallel rate

contract. This shall preferably ensure to get more and more supply orders to the Board from the consignee department/ office and resultantly ensure more income to the Board.

In view of the above, the decision/suggestion is proposed to be inserted/incorporated below at Sr. No.4 in part C, Operational Guidelines of the Consignment Policy of the Board as under:

“In the event of purchasing/consignee department/office claiming discount on tendered price/approved rate of items/products on account of large volume of supply order or any other reason(s) or/and our competitors offer even more competitive/lower rates to procure the bulk supply order from the consignee Deptt./Office, then the Board will be at liberty to quote less rate with prior consent of the empanelled vender(s) who agree(s) to quote less rate for the procurement of said order. If the Empanelled venders/suppliers agree, in writing, to supply the items/products at negotiate rate/lower rate to the deptt./office for the reason stated above, then Board on behalf of the said vender/supplier shall accordingly quote the same rate to the Deptt./office concerned and the Board will charge handling charges @ 10% on the actual sales (negotiated rates) and not on the approved rates of parallel rate contract.”

2. In case supply order received from the Consignee Department/ Office consists of items/products which are not in the approved list of parallel rate contract, then at the District level by the District Officer/ Incharge Sale Shop or at H.O. Level, as the case may be, shall source them(item(s) not in the approved list) by inviting limited tenders/quotations from any other empanelled venders/supplier or/and any registered MSME unit or authorised dealers/distributers in the State/District at a competitive rates and as per specification in order to execute the complete supply order. **This has been in practice for the last 4-5 years in the Board only to execute the complete**

supply order thereby to generate income to the Board. However, the items/products shall be sourced by inviting limited tender/quotations as per details given hereunder:

Sr. No.	Particulars	Amount involved in items/products to be sourced, which are not in the approved list.	Office and officer authorised to source them in inviting limited tender/quotation
1	Supply order received from the Consignee Department/ Office consists of items/products which are not in the approved list of parallel rate contract	Up to Rs.100. Lakh	District Officer of the concerned District strictly as per provision of Rules 98 of HPFR, 2009.
2.	Supply order received from the Consignee Department/ Office consists of items/products which are not in the approved list of parallel rate contract	More than 1.00 lakh upto Rs. 10.00 lakh	At H.O. level by the committee constituted for the purpose by inviting quotations from the empanelled vendors or/and any other MSME units

NOTE: The supply order of items/products to be sourced (i.e not in the approved list of item/products) for more than Rs. 10.00 lakh are to be procured by inviting open tender through publication in the newspaper.

In view of the above, the decision/recommendation is proposed to be inserted/incorporated below at Sr. No. 5 in part C, Operational Guidelines of the Consignment Policy of the Board as under:

“In case supply order received from the Consignee Department/ Office consists of items/products which are not in the approved list of parallel rate contract, then at the District level by the District Officer/ Incharge Sale Shop or at H.O. Level, as the case may be, shall source them(item(s) not in the approved list) by inviting limited tenders/quotations from any other empanelled venders/supplier or/and any registered MSME unit or authorised dealers/distributers in the State/District at a competitive rates and as per specification in order to execute the complete supply order”.

3. The Board may consider to provide incentive to the empanelled venders/suppliers if the said firms cross the threshold limit of supply order of Rs. 2.00 crore during that financial year. This clause has been incorporated only to motivate the vender/supplier to deal exclusively with the Board and generate more supply order resulting into more revenue to the Board. The Board shall share 2% of the handling charges earned on the actual sales/supply order(excluding GST) executed by the vender with the concerned vender/supplier only on the amount exceeding the threshold limit of Rs. 2.00 crore supply order executed in a particular financial year.**The threshold limit of Rs. 2.00 crore has been arrived/fixed keeping in view the average sales of the last three years of the best 3 venders/suppliers (As per Annexure-“A”).** The claim on account of this shall be preferred by the claimant i.e. concerned vender/supplier through our district office/Sale Shop and the same shall also be duly verified by the concerned district officer or Sale shop Incharge of the Board as per record & actual sales executed by

the vender/supplier in the district. Further the claim(s), if any, will be settled by the Board at H.O. level after the end of that financial year.

In view of the above, the decision/recommendation is proposed to be inserted/incorporated below at Sr. No. 6 in part C, Operational Guidelines of the Consignment Policy of the Board as under:

“The Board shall share 2% of the handling charges earned on the actual sales/supply order(excluding GST) executed by the vender with the concerned vender/supplier only on the amount exceeding the threshold limit of Rs. 2.00 crore (supply order) or as may be decided/fixed time to time by the competent authority of the Board, executed in a particular financial year”.

4. The Board may also provide some incentives to the two(2) best performing districts out of the total revenue/income generated by these districts with highest sales turnover during the financial year for maintenance/upkeep & purchase of office furniture etc. concerned district office/sale shop and exposure visit of the staff/employees concerned within the country subject to the availability of budget/funds and prior approval of the competent authority of the Board.

The above mentioned points/suggestions mentioned at Sr. No. 1 to 3 that have been put forward during the field staff meeting held on 5th& 6th September, 2023 are required to be incorporated in the operational modalities(Part-C) of the Consignment policy at of the Board in order to not only to increase the sales & income of the Board but also to motivate/encourage the empanelled venders/suppliers & our district officers/incharges to strive more to surpass the threshold targets.

With regard to point No.4 of the above suggestion, it is submitted that this will further inspire the district officer and incharge sale shop to put more efforts to excel in sale turnover.

In view of the above, the matter is placed before the BOD for their consideration and approval please.

- The bidding micro/small enterprise shall be considered for benefit under the scheme only if the enterprise is the manufacturer/service provider of the item that is tendered as per the verification certificate issued by the District Industries Centre.
- In case the tender is for more than one items, then the bidding MSE should be the manufacturer/service provided of atleast 50% of the items (In value). The remaining products shall be sourced by the bidding MSE preferably from any MSMR in The State at a competitive rates and as per specification.
- Eligible units shall be allowed to match to lowest tender price floated by non-eligible units provided its quoted price is within 15% of lowest quoted price by non-eligible unit. In case of more than one eligible units falling within the range, the lowest one shall be preferred.
- In the event of approved rates of items/products for parallel rate contract by the HPKVIB, if our competitors like Handicrafts & Handloom Corp., HPGIC, HIMFED, HPSIDC, HP State Civil Supplier Corp., GeM etc, offer even more competitive/lower rates to procure the supply order from the consignee Deptt./Office then the Board may offer the Empanelled suppliers/vendors to consider to further negotiate the approved rates of items/products in the light of the rates quoted by our competitors in order to procure the supply order. If the Empanelled vendors/suppliers agree to supply the items/products at negotiate rate/lower rate, then Board may accordingly quote the same rate to the Deptt concerned and the Board will charge handling charges @ 10% on the actual sales (negotiated rates) and not on the approved rates of parallel rate contract. This may preferably ensure to get more and more supply orders to the Board from the consignee department/ office.
-

PRICE BID/ FINANCIAL BID

FORMAT-"I"

Gym Addl Item

Sr. No.	Product Name	Product Specification	Material Used or Make	UQC	Rate as per unit quantity (In rupees)
1	LATERAL BENCH PRESS	Dimensions : 1250X1320X1750MM Net Weight : 164KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
2	LATERAL CHEST/BACK	Dimensions : 1830X1300X2080MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
3	DECLINE CHEST PRESS	Dimensions : 1300X1370X1730MM Net Weight : 162KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
4	LATERAL LEVEL ROW	Dimensions : 1300X1470X1880MM Net Weight : 163KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
5	FRONT LAT PULLDOWN	Dimensions : 1700X1460X2003MM Net Weight : 154KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
6	LATERAL HIGH ROW	Dimensions : 1650X1040X2030MM Net Weight : 146KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
7	HORIZONTAL BENCHPRESS	Dimensions : 1680X1550X1070MM Net Weight : 134KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
8	INCLINE BENCH PRESS	Dimensions : 1831X1970X1200MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
9	LATERALROWING	Dimensions : 1500X1270X1300MM Net Weight : 105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
10	LAT. SHOULDER PRESS	Dimensions : 1300X1470X1880MM Net Weight : 156KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
11	DECLINE BENCH PRESS	Dimensions : 1832X1970X1200MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
12	LAT. INCL. CHEST PRESS	Dimensions : 1000X1320X1910MM Net Weight : 147KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
13	LAT. SHOULDER PRESS	Dimensions : 1300X1470X1880MM Net Weight : 156KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
14	LAT. SUPER INCLINE PRESS	Dimensions : 1300×2100×2003MM Net Weight : 149KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
15	LATERAL LOW ROW	Dimensions : 1220X1190X1700MM Net Weight : 134KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
16	ASSYSQUAT	Dimensions : 1700X1190X1040MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
17	LATERAL WIDE CHEST	Dimensions : 1140×1750×1750MM Net Weight : 166KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
18	LAT. WIDE PULLDOWN	Dimensions : 1650×1040×2030MM Net Weight : 146KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
19	LATERALRAISE	Dimensions : 1040X1400X1220MM Net Weight : 104KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

20	PULLOVER	Dimensions : 1370X1300X1500MM Net Weight : 135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
21	STANDING CALF RAISE	Dimensions : 1320X1450X1190 MM Net Weight : 105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
22	STANDING CALF RAISE	Dimensions : 1370X1450X1190MM Net Weight : 135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
23	PULLOVER	Dimensions : 1310X1260X1500MM Net Weight : 170KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
24	SEATED BICEPS CURL	Dimensions : 1270X1170X1350MM Net Weight : 92KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
25	LATERAL LEG CURL	Dimensions : 1800X1350X1000MM Net Weight : 115KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
26	LAT. LEG EXTENSION	Dimensions : 1370X1450X1450MM Net Weight : 136KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
27	LAT. STD. BICEPS CURL	Dimensions : 1000X1320X1700MM Net Weight : 105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
28	STANDING PREACHER CURL	Dimensions : 1440X800X1300MM Net Weight : 70KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
29	LATERAL LEG PRESS	Dimensions : 1780X1510X1520MM Net Weight : 147KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
30	LEGEXTENSION	Dimensions : 1420X1370X1450MM Net Weight : 126KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
31	SUPER HORIZONTAL CALF	Dimensions : 1600X1370X1350MM Net Weight : 95KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
32	SMITH MACHINE & POWER RACK	Dimensions : 2060X1760X2285MM Net Weight : 125KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
33	LATERAL KNEELING LEG CURL	Dimensions : 1090X1270X1190MM Net Weight : 114KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
34	TRICEPS EXTENSION	Dimensions:1700X970X1070MM NetWeight:105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
35	SMITH MACHINE & POWER RACK	Dimensions : 2060X1760X2285MM Net Weight : 135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
36	SQUAT&LUNGE	Dimensions : 1570X1450X860MM Net Weight : 97KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
37	SEATED/STANDING SHRUG	Dimensions : 1200X1630X1080MM Net Weight : 90KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
38	HACKSQUAT	Dimensions : 2500X1400X1250MM Net Weight : 197KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
39	SQUAT&LUNGE	Dimensions : 1570X1450X860MM Net Weight : 110KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
40	LINEARLEGPRESS	Dimensions : 2410X1600X1450MM Net Weight : 210KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
41	TIBIA/DORSAL FLEXION	Dimensions : 380X610X310MM Net Weight : 25KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

42	VSQUAT	Dimensions : 1500X1780X1320MM Net Weight : 136KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
43	REVERSE HYPEREXTENSION	Dimensions : 1340X750X850MM Net Weight : 25KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
44	BELTSQUAT	Dimensions : 1580X1650X1680MM Net Weight : 110KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
45	OLYMPIC MILITARY BENCH	Dimensions : 1760X1250X1690MM Net Weight : 114KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
46	CHINUP	Dimensions : 1300X1680X2185MM Net Weight : 80KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
47	ABDOMINAL CRUNCH	Dimensions : 2230X680X1150MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
48	HIPADDUCTOR	Dimensions : 1690X730X750MM Net Weight : 258KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
49	OLYMPIC POWER RACK	Dimensions : 1560X1200X2410MM Net Weight : 142KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
50	HALFRACK	Dimensions : 1400X1250X2350MM Net Weight : 134KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
51	VERTICAL LEG PRESS	Dimensions : 1750X1300X2150MM Net Weight : 200KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
52	4-WAYNECK	Dimensions : 820X1570X1600MM Net Weight : 110KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
53	POWERCAGE	Dimensions : 1220X1380X2360MM Net Weight : 146KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
54	POWERCAGE	Dimensions : 1775X1380X2360MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
55	POWERCAGE	Dimensions : 1775X1380X2360MM Net Weight : 175(KG)	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
56	MULTI POWER CAGE	Dimensions : 1840X1650X2350MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
57	CHESTPRESS	Dimensions : 1350X1550X1830MM Net Weight : 182(KG)	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
58	HORIZONTAL BENCHPRESS	Dimensions : 1880X1950X850MM Net Weight : 142KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
59	PECTORALFLY	Dimensions : 1080X580X1190MM Net Weight : 80KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
60	GLUTEMACHINE	Dimensions : 1230X680X1150MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
61	SHOULDERPRESS	Dimensions : 1650X1600X1435MM Net Weight : 172KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
62	LATERAL RAISE/ REARDELTOID	Dimensions : 2100X810X1710MM Net Weight : 166KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
63	LEGPRESS	Dimensions : 1330X2040X1450MM Net Weight : 220KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

64	STANDING LATERAL RAISE	Dimensions : 1750X1300X2150MM Net Weight : 150KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
65	BICEPS	Dimensions : 1100X1420X1060MM Net Weight : 117KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
66	HIGHROW	Dimensions : 2000X900X2050MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
67	POWER SMITH MACHINE DUAL SYSTEM	Dimensions : 1880X1920X850MM Net Weight : 275KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
68	POWERSMITH MACHINEDUAL SYSTEMUPPER	Dimensions:1830X1700X2100MM NetWeight:350KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
69	BOTHWAYSQUAT	Dimensions : 1905X1520X1610MM Net Weight : 150KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
70	BELTSQUAT	Dimensions : 1635X1800X800MM Net Weight : 155KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
71	ROWING	Dimensions : 1643X1571X1361MM Net Weight : 190KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
72	LEVELROW	Dimensions : 1786X1435X1956MM Net Weight : 220KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
73	BUTTOCKSBRIDGE	Dimensions : 1635X1800X800MM Net Weight : 155KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
74	PENDULUMSQUAT	Dimensions : 2003X890X1835MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
75	LEGEXTENSION	Dimensions : 1550X1900X1200MM Net Weight : 152KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
76	KNEELINGCURL	Dimensions : 1200X1650X1350MM Net Weight : 132KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
77	GLUTEMACHINE	Dimensions : 2022X1543X1101 Net Weight : 125KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
78	PRONEMACHINE	Dimensions : 1330X1120X1580MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
79	CHESTPRESS	Dimensions : 1500X1450X1880MM Net Weight : 129(KG)	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
80	LATERALRAISE	Dimensions : 1230X1410X1600MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
81	ABDUCTOR	Dimensions : 1350X1500X1600MM Net Weight : 123KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
82	ADDUCTOR	Dimensions : 1350X1500X1600MM Net Weight : 125KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
83	SEATEDLEG EXTENTION	Dimensions : 1520X1130X1600MM Net Weight : 135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
84	PRONELEGCURL	Dimensions : 1400X900X1700MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
85	SEATEDSHOULDER PRESS	Dimensions:1600X1400X1600MM NetWeight:130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
86	ABDOMINAL CRUNCH	Dimensions : 1580X1200X1600MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
87	SEATED TRICEP PUSH DOWN	Dimensions : 1720X1080X1600MM Net Weight : 85KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

88	PECTORAL MACHINE	Dimensions : 1450X1550X1600MM Net Weight : 85KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
89	SEATEDLEGPRESS	Dimensions : 1900X1200X1600MM Net Weight : 230KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
90	BICEPCURL	Dimensions : 1720X1480X1600MM Net Weight : 124KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
91	LAT PULL DOWN 134(KG)	Dimensions : 1800X1100X1950MM Net Weight : 134KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
92	LAT PULL DOWN 130(KG)	Dimensions : 1325X1250X2200MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
93	LATERAL BICEPS CURL	Dimensions : 1186X1370X1511MM Net Weight : 123KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
94	SEATED TRICEP EXTENTION	Dimensions : 1720X1080X1600MM Net Weight : 124KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
95	MULTIHIP	Dimensions : 1130X1200X1700MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
96	SEATED ROW/REAR DELT	Dimensions : 1600X920X1600MM Net Weight : 135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
97	BACKEXTENTION	Dimensions : 1240X950X1420MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
98	PECK FLY/REAR DELT	Dimensions : 1410X1520X1900MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
99	GLUTEMACHINE	Dimensions : 1100X1200X1700MM Net Weight : 148KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
100	SEATEDLEGCURL	Dimensions : 1720X1080X1600MM Net Weight : 124KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
101	SEATEDLOWROW	Dimensions : 1410X1520X1600MM Net Weight : 104KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
102	STANDING CALF RAISE	Dimensions : 1520X1120X2000MM Net Weight : 72KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
103	CHINDIPASSIST	Dimensions : 1600X1100X2270MM Net Weight : 180KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
104	ROTARY TORSO ROTATION	Dimensions : 1600X950X1700MM Net Weight : 115KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
105	CHEST/SHOULDER PRESS	Dimensions : 1950X1200X1420MM Net Weight : 216KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
106	BICEP/TRICEPCURL	Dimensions : 1300X900X1420MM Net Weight : 153KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
107	PECK FLY/REAR DELT	Dimensions : 1350X1350X1970MM Net Weight : 152KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
108	LATPULLDOWN/SEATED ROW	Dimensions : 1850X1300X2300MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
109	BACKEXTENSION/AB CRUNCH	Dimensions : 1300X900X1420MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
110	HIP ABDUCTOR/ADDUCTOR	Dimensions : 1300X650X1420MM Net Weight : 136KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
111	PRONE LEG CURL/EXTENSION	Dimensions : 1600X950X1420MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

112	SEATED LEG CURL/EXTENSION	Dimensions : 1450X920X1420MM Net Weight : 168KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
113	CHEST/SHOULDER PRESS	Dimensions : 1950X1200X1420MM Net Weight : 218KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
114	BICEP/TRICEPCURL	Dimensions : 1300X900X1420MM Net Weight : 155KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
115	LEG PRESS/CALF RAISE	Dimensions : 1700X970X1720MM Net Weight : 190KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
116	DOUBLE PULLEY MACHINE	Dimensions : 1300X1300X2200MM Net Weight : 140KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
117	BACK EXTENSION/ABCRUNCH	Dimensions : 1300X900X1420MM Net Weight : 148KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
118	HIP ABDUCTOR/ ADDUCTOR	Dimensions : 1300X650X1420MM Net Weight : 140KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
119	DOUBLE PULLEY MACHINE	Dimensions : 1300X1300X2200MM Net Weight : 128KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
120	PRONELEG CURL/EXTENSION	Dimensions:1600X950X1420MM NetWeight:164KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
121	LEG PRESS/CALF RAISE	Dimensions : 1700X970X1720MM Net Weight : 195KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
122	DUAL ADJUSTABLE PULLEY	Dimensions : 1220X2580X2330MM Net Weight : 215KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
123	DUAL ADJUSTABLE PULLEY	Dimensions : 1220X2580X2330MM Net Weight : 218KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
124	MULTI -JUNGLE 4- STACK	Dimensions : 3400X1100X2230MM Net Weight : 212 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
125	MULTI -JUNGLE 5- STACK	Dimensions : 4450X3400X2230MM Net Weight : 318 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
126	MULTI -JUNGLE 8- STACK	Dimensions : 4850X3400X2230MM Net Weight : 378 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
127	CABLECROSSOVER	Dimensions : 3470X630X2370MM Net Weight : 195KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
128	HACK SQUAT 245 KG	Dimensions : 1850X1750X1500MM Net Weight : 245KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
129	HACK SQUAT 225 KG	Dimensions : 2300X1870X1120MM Net Weight : 225KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
130	SMITHMACHINE	Dimensions : 2310X1300X2400MM Net Weight : 239KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
131	45-DEGREE LEGPRESS	Dimensions : 2200X1850X1570MM Net Weight : 255KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
132	DUAL ADJUSTABLE PULLEY	Dimensions : 1100X1850X2350MM Net Weight : 180KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
133	CABLECROSSOVER	Dimensions : 3880X600X2300MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

134	MULTI-JUNGLE4-STACK180KG	Dimensions : 3400X1100X2230MM Net Weight : 180KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
135	MULTI-JUNGLE5-STACK270KG	Dimensions : 4450X1520X1900MM Net Weight : 270KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
136	MULTI-JUNGLE8-STACK375KG	Dimensions : 3400X3270X2380MM Net Weight : 640KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
137	4-JUNGLEMACHINE	Dimensions:2450X1320X1500MM NetWeight:198KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
138	45-DEGREE LEG PRESS 198 KG	Dimensions : 4850X3400X2230MM Net Weight : 375KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
139	MOVABLEARM FUNCTIONAL TRAINER	Dimensions : 1620X1180X1780MM Net Weight : 250KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
140	HACK SQUAT 219 KG	Dimensions : 2250X1430X1230MM Net Weight : 219KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
141	45-DEGREE LEG PRESS 230 KG	Dimensions : 2200X1520X1480MM Net Weight : 230KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
142	SMITHMACHINE	Dimensions : 1520X1120X2000MM Net Weight : 210KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
143	1-STATION MULTIGYM	Dimensions : 2250X1250X2250MM Net Weight : 232KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
144	3DSMITHMACHINE	Dimensions : 1840X1650X2350MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
145	MULTI-JUNGLE UPPER BODY	Dimensions : 3400X3270X2380MM Net Weight : 360KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
146	4-STATION MULTIGYM	Dimensions : 3400X2800X2250MM Net Weight : 332KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
147	3-STATION MULTIGYM	Dimensions : 2670X2740X2060MM Net Weight : 300KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
148	MULTI-JUNGLE LOWER BODY	Dimensions : 3400X3270X2380MM Net Weight : 360KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
149	MULTI-JUNGLE 4 STACK PRO 250 KG	Dimensions : 3400X1100X2230MM Net Weight : 250KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
150	SEATED CHEST PRESS	Dimensions : 1600X1600X1800MM Net Weight : 137KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
151	SEATED LATERAL RAISE	Dimensions : 1300X1250X1450MM Net Weight : 143KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
152	SHOULDER PRESS 125 KG	Dimensions : 1700X1620X1450MM Net Weight : 125KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
153	ABDOMINAL CRUNCH	Dimensions : 1300X1200X1650MM Net Weight : 132KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
154	SEATED BICEPS CURL	Dimensions : 1250X1450X1450MM Net Weight : 155KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

155	SEATED TRICEPS EXTENSION	Dimensions : 1660X1180X1450MM Net Weight : 158KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
156	LATPULLDOWN	Dimensions : 1850X1240X1940MM Net Weight : 162KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
157	SEATED ROW/REAR DELT	Dimensions : 1600X920X1420MM Net Weight : 155KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
158	LEGEXTENSION	Dimensions : 1600X1100X1650MM Net Weight : 162KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
159	SEATEDLEG CURL	Dimensions : 1750X1100X1650MM Net Weight : 169KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
160	ASSISTCHIN/DIP	Dimensions : 1680X1300X2250MM Net Weight : 180KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
161	PECFLY/REAR DELT	Dimensions : 1460X1520X2000MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
162	SEATEDLEG PRESS	Dimensions : 2000X1200X1650MM Net Weight : 261KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
163	ROTARY TORSO ROTATION	Dimensions : 1200X1000X1460MM Net Weight : 133KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
164	HIP ABDUCTOR	Dimensions : 1500X1400X1450MM Net Weight : 143KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
165	HIP ADDUCTOR	Dimensions : 1500X1400X1450MM Net Weight : 151KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
166	STANDING CALF RAISE	Dimensions : 1520X1120X2000MM Net Weight : 75KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
167	PRONE LEG CURL	Dimensions : 1400X900X1700MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
168	OLYMPIC FLAT BENCH	Dimensions : 1800X1260X1320MM Net Weight : 80KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
169	OLYMPIC INCLINE BENCH	Dimensions : 1830X1260X1500MM Net Weight : 75KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
170	OLYMPIC DECLINE BENCH	Dimensions : 1640X1250X1320MM Net Weight : 80KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
171	SEATED ARM CURL	Dimensions : 1440X800X1100MM Net Weight : 76KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
172	T-BARROW	Dimensions:2620X990X540MM NetWeight:60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
173	HYPEREXTENSION	Dimensions : 1460X760X1080MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
174	ASSIST ABDOMINAL BENCH	Dimensions : 1340X800X860MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

175	75-DEGREEBENCH	Dimensions : 1140X680X1040MM Net Weight : 25KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
176	ADJUSTABLE BENCH60KG	Dimensions : 2620X990X540MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
177	ADJUSTABLE BENCH32KG	Dimensions : 1700X700X850MM Net	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
178	FLATBENCH18KG	Dimensions : 1550X570X450MM Net Weight : 18KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
179	55-DEGREEBENCH 21KG	Dimensions : 1430X750X1100MM Net Weight : 21KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
180	BARBELLRACK	Dimensions : 760X840X1280MM Net Weight : 40KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
181	DUMBBELL RACK- DOUBLE	Dimensions : 2300X600X790MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
182	LYINGT-BARROW	Dimensions : 2170X1140X1190MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
183	ADJUSTABLE ABDOMINAL	Dimensions : 1700X700X850MM Net Weight : 35KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
184	DUMBBELL RACK-3 TIER	Dimensions : 2300X600X1090MM Net Weight : 57KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
185	PLATERACK	Dimensions : 740X740X780MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
186	SEATEDCALF RAISE	Dimensions : 1340X800X860MM Net Weight : 68KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
187	SQUATRACK	Dimensions : 1680X1590X1730MM Net Weight : 105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
188	OLYMPIC INCLINE BENCH	Dimensions : 1800X1260X1500MM Net Weight : 65KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
189	OLYMPICDECLINE BENCH	Dimensions:1800X1260X1500MM NetWeight:65KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
190	30-DEGREEBENCH	Dimensions : 1320X750X850MM Net Weight : 22KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
191	ABDOMINAL ROLLER	Dimensions : 1000X750X1270MM Net Weight : 43KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
192	SEATEDARMCURL	Dimensions : 1300X800X1000MM Net Weight : 68KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
193	T-BARROW	Dimensions : 1700X700X850MM Net Weight : 32KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
194	STRETCHMACHINE	Dimensions : 1885X700X1000MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
195	OLYMPIC FLAT BENCH	Dimensions : 1800X1260X1300MM Net Weight : 72KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
196	HYPEREXTENSION	Dimensions : 1460X760X1080MM Net Weight : 43KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

197	ASSIST ABDOMINAL BENCH	Dimensions : 1700X800X1100MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
198	ADJUSTABLE BENCH	Dimensions : 1600X720X1260MM Net Weight : 40KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
199	SUPERBENCH	Dimensions : 1700X700X850MM Net Weight : 32KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
200	55-DEGREEBENCH	Dimensions : 1430X750X850MM Net Weight : 19KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
201	LYINGT-BARROW	Dimensions : 2170X1140X1190MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
202	SUPERBENCH	Dimensions : 1700X700X850MM Net Weight : 32KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
203	SUPERBENCH	Dimensions : 1700X700X850MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
204	LYINGT-BARROW	Dimensions : 2230X690X1150MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
205	LYING T-BAR ROW WITH D HANDLE	Dimensions : 2170X1140X1190MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
206	COMPACT SUPER BENCH	Dimensions : 1600X650X850MM Net Weight : 32KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
207	FLATBENCH	Dimensions : 1550X570X450MM Net Weight : 18KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
208	ADJUSTABLE AB BENCH	Dimensions : 1700X700X850MM Net Weight : 32KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
209	BARBELLRACK	Dimensions : 750X840X1280MM Net Weight : 91KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
210	DUMBBELL RACK- DOUBLE	Dimensions : 2300X600X790MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
211	DUMBBELL RACK-3 TIER	Dimensions : 2300X600X1090MM Net Weight : 57KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
212	90-DEGREEBENCH	Dimensions : 1140X680X1040MM Net Weight : 20KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
213	DUMBBELL RACK- SINGLE	Dimensions : 2280X420X600MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
214	PLATERACK	Dimensions : 840X650X1002MM Net Weight : 28KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
215	SEATEDCALF RAISE	Dimensions : 1340X800X860MM Net Weight : 62KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
216	LEGRAISE	Dimensions : 1150X750X1590MM Net Weight : 55KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
217	GLUTEHAMRAISE	Dimensions : 1660X1100X700MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

218	SQUATRACK	Dimensions : 1680X680X1730MM Net Weight : 95KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
219	30-DEGREEBENCH	Dimensions : 1320X750X850MM Net Weight : 19KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
220	WRIST CURL (PIN LOADED)	Dimensions : 1430X750X1150MM Net Weight : 35KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
221	WRIST CURL (PLATE LOADED)	Dimensions : 1430X750X1150MM Net Weight : 35KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
222	SINGLETWISTER	Dimensions : 2300X600X790MM Net Weight : 57KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
223	DOUBLETWISTER	Dimensions : 2300X600X1090MM Net Weight : 57KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
224	DECLINEBENCH	Dimensions:1460X760X1080MM NetWeight:48KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
225	LANDMINE ATTACHMENT	LANDMINEATTACHMENT	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
226	CHESTPRESS	Dimensions : 1500X1450X1550MM Net Weight : 120 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
227	LEG EXTENSION 130 KG	Dimensions : 1480X1000X1550MM Net Weight : 130 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
228	PRONELEG CURL	Dimensions : 1500X1000X1550MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
229	SEATED SHOULDER PRESS	Dimensions : 1300X1370X1460MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
230	SEATED BICEPS CURL	Dimensions : 1720X1480X1600MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
231	LATPULLDOWN	Dimensions : 1420X1240X2230MM Net Weight : 150KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
232	PECFLY/REAR DELT	Dimensions : 1300X2000X2000MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
233	SEATEDLOWROW	Dimensions : 2050X1050X2100MM Net Weight : 140KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
234	LATPULL DOWN/SEATED ROW	Dimensions : 2050X1050X2230MM Net Weight : 115KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
235	HIPABDUCTOR/ADDUC TOR	Dimensions : 1550X750X1550MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
236	CHIN/DIPASSIST	Dimensions : 1450X1150X2250MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
237	SEATEDLEG CURL	Dimensions : 1520X1000X1550MM Net Weight : 140KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
238	PRONE LEG CURL/EXTENSION	Dimensions : 1520X1000X1550MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

239	SEATED LEG CURL/ EXTENTION	Dimensions : 1520X1000X1550MM Net Weight : 150KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
240	BENCH /SHOULDER PRESS	Dimensions : 2000X1300X1550MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
241	BICEPS/TRICEPSCURL	Dimensions:1300X900X1420MMNetWeight:135KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
242	OLYMPIC FLAT BENCH	Dimensions : 1520X1350X1300MM Net Weight : 60KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
243	OLYMPIC INCLINE BENCH	Dimensions : 1820X1350X1300MM Net Weight : 65KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
244	OLYMPIC DECLINE BENCH	Dimensions : 2100X1350X1300MM Net Weight : 70KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
245	SEATEDARMCURL	Dimensions : 1200X900X1100MM Net Weight : 40KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
246	OLYMPICFID BENCH	Dimensions : 1720X1480X1450MM Net Weight : 120KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
247	DUAL ADJUSTALBE PULLEY	Dimensions : 1120X1745X2200MM Net Weight : 145KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
248	SUPERBENCH	Dimensions : 1400X650X1200MM Net Weight : 18KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
249	DUMBBELL RACK- 2TIER	Dimensions : 2300X600X790MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
250	CABLECROSSOVER	Dimensions : 1300X4470X2300MM Net Weight : 160KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
251	45-DEGREE LEGPRESS	Dimensions : 2200X1850X1570MM Net Weight : 240KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
252	DUMBBELL RACK- 3TIER	Dimensions : 1050X1700X1050MM Net Weight : 50KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
253	SEATEDCALF RAISE	Dimensions : 850X1420X1000MM Net Weight : 45KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
254	SMITHMACHINE	Dimensions : 1600X2050X2250MM Net Weight : 210KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
255	LEG PRESS /HACK SQUAT	Dimensions : 2400X2050X1500MM Net Weight : 280KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
256	IDFSUPERBENCH	Dimensions : 1525MMX585MMX550MMNetWeight:25 KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
257	MULTI UTILITY POWER RACK	Dimensions : 1840X1650X2350MM Net Weight : 175KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
258	PLATE LOADED MULTI GYM	Dimensions : 1500X1780X1320MM Net Weight : 130KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

259	SQUATRACK	Dimensions : 1680X480X1730MM Net Weight : 65KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
260	SQUAT RACK WITH PULLUP BAR	Dimensions : 1680X480X1730MM Net Weight : 85KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
261	SQUAT RACK WITH LAT PULL DOWN	Dimensions : 1680X480X1730MM Net Weight : 105KG	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
262	360MULTIUNCTION MACHINE	TRX Hanging Rope, Battle Rope, Medicine Ball, Kettle Bell, Sand Bag	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
263	FUNCTIONAL TRAININGRIG	CustomizationoffunctionalRigs	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
264	SLEDGE	SLEDGE	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
265	DUMBBELL	DUMBBELL	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
266	PLATES	PLATES	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
267	KETTLEBELL	KETTLEBELL	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
268	BATTLE ROPE	BATTLE ROPE	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
269	OLYMPIC BAR	OLYMPIC BAR	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
270	CURL BAR/EZ BAR	CURL BAR/EZ BAR	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
271	FIXED RUBBER BARBELL	FIXED RUBBER BARBELL	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
272	DEADLIFT PLATFORM	DEADLIFT PLATFORM	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
273	RACE TREADMILL	Motor Power: 4HP A/C Motor Speed Range: 1- 20 km/hr Incline Range: 0 to 15 Degrees Running Area: 1500 X 520 mm Display: Time, Speed, Distance, Heart Rate, Calories & Incline Dimensions: 2180 X 920 X 1460 mm Net Weight: 196kgs	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
274	STRIDE CROSS TRAINER	Self Generating LED Display screen with Time, Distance, Speed, RPM, Resistance & Calories. Resistance: 26 levels Dimensions: 1960 X 690 X 1760 mm Net Weight: 118 kgs Max. User Weight: 180 kgs	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

275	FITSPIN	Dimensions(mm):1125X550X1140 Max. User, Weight: 150 kg, Anti Slip Pedals, Heavy Duty Construction.	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
276	FORCE - PEC FLY/REAR DELT	Weight Stack: 100 kg, Net Weight: 207 kg,Dimensions (in mm): 1585 X 1230 X 1995	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
277	FORCE-SEATED LEG CURL	Weight Stack: 100 kg, Net Weight: 216 kg,Dimensions (in mm): 1325 X1765 X 1680	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
278	FORCE-LEG EXTENSION	Weight Stack: 100 kg, Net Weight: 220 kg,Dimensions (in mm): 1230 X 1670 X 1680	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
279	FORCE-ASSISTED DIP/CHIN	Weight Stack:100 kg, Net Weight: 252 kg,Dimensions (in mm): 1520 X 1280 X 2330	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
280	FORCE-LAT/ROW	Weight Stack:100 kg, Net Weight: 208 kg,Dimensions(inmm):1150X1790X1650	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
281	X'PLODE - CHEST PRESS & LATPULLDOWN	NetWeight:172kg,Dimensions (in mm): 1915 X 1676 X 2120	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
282	X'PLODE-SHOULDER PRESS	NetWeight:112kg,Dimensions (in mm): 1530 X 1475 X 1500	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
283	SMITH MACHINE W/ SQUAT	NetWeight:304kg,Dimensions (in mm): 1290 X 1900 X 2260	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
284	FREEDOM – 45 DEGREE LEG PRESS	Dimensions (in mm): 2400 X1610 X 1480,NetWeight:260kg	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
285	CABLECROSSOVER	NetWeight:336kg,Dimensions (in mm): 3885 X 870 X 2325	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
286	FUNCTIONAL TRAINER - ELITE	WeightStack:100kgsX2Size:1610X1150X2330NetWeight:365kgs	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
287	ELITE - OLYMPIC FLAT BENCH	NetWeight:66kg,Dimensions (in mm): 1635 X 1530 X 1194	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
288	ELITE - OLYMPIC INCLINE BENCH	NetWeight:105kg,Dimensions (in mm): 1848 X 1530 X 1400	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
289	ELITE-OLYMPIC DECLINEBENCH	NetWeight:74kg,Dimensions (in mm): 1996 X 1530 X 1194	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
290	ELITE - SCOTT BENCH/PREACHERCURL	NetWeight:40kg,Dimensions (in mm): 971 X 706 X 1005	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
290	ELITE - SCOTT BENCH/PREACHERCURL	NetWeight:40kg,Dimensions (in mm): 971 X 706 X 1005	FITLINE/WELLNESS/ REAL LEADER USA	No.s	
291	ELITE – SEATED CALF	NetWeight:51kg,Dimensions (in mm): 1252 X 602 X 910	FITLINE/WELLNESS/ REAL LEADER USA	No.s	

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PRICE BID/ FINANCIAL BID

FORMAT-"II"

IHM

Sr. No.	Product Name	Product Specification	Material Used	UQC	Rate as per unit quantity (In rupees)
1	AmericanTray(Anti-Skid)16"x22"	HeavydutyPlastic,MadeofBestQualityMaterial	Superior Quality	No.	
2	BreadBasket(Plastic)	HeavydutyPlastic,MadeofBestQualityMaterial	Superior Quality	No.	
3	BreadTong(SS)	StainlessSteel,MadeofaSturdyStainlessMaterial	Superior Quality	No.	
4	ChineseCruetSet(Melamine)	High-Quality Melamine, Made of Best Quality Material	Superior Quality	No.	
5	ContinentalTray(Anti-Skid)12"x16"	HeavydutyPlastic,MadeofBestQualityMaterial	Superior Quality	No.	
6	DalRaitaKatori	HeavydutyPlastic,MadeofBestQuality Material	Superior Quality	No.	
7	FlairingBottlesUnbreakable	HeavydutyPlastic,MadeofBestQualityMaterial	Superior Quality	No.	
8	FlambeTrolley	LaminatedWoodStructure&SS,MadeofBestQuality Material	Superior Quality	No.	
9	GattaConsters	MadefromBestQualityMaterial	Superior Quality	No.	
10	MicrowaveSafeReheatingBowl(Unbreakable)	HeavydutyPlastic,MadeofBestQualityMaterial	Superior Quality	No.	
11	MouthFreshnerTray-Bowl	Wooden,MadeofBestQualityMaterial	Superior Quality	No.	
12	NapkinStand(SS)	StainlessSteel,MadeofaSturdyStainlessMaterial	Superior Quality	No.	
13	NonStickPan(DiamondCut)	MadefromAluminium&BestQualityMaterial	Superior Quality	No.	
14	PlateFull	MadefromPlastic&BestQualityMaterial	Superior Quality	No.	
15	PlateHalf	MadefromPlastic&BestQualityMaterial	Superior Quality	No.	
16	PlateQuarter	MadefromPlastic&BestQualityMaterial	Superior Quality	No.	

17	RaitaBowlforBuffet(Unbreakable)	High-QualityMelamine&BestQualityMaterial	Superior Quality	No.	
18	RoundEntreeDish	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
19	SaladTong(SS)	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
20	SoupBowl/SoupCup	MadefromPlastic&BestQualityMaterial	Superior Quality	No.	
21	SoupPlate	MadefromPlastic&BestQualityMaterial	Superior Quality	No.	
22	SugarPot(SS)	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
23	SugarTong(SS)	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
24	TeaCup	MadefromCeramic&BestQualityMaterial	Superior Quality	No.	
25	TentCardsAcrylic	MadefromPVC&BestQualityMaterial	Superior Quality	No.	
26	BeerMug	MadefromGlass&BestQualityMaterial	Superior Quality	No.	
27	CookiesJarBig500g	MadefromGlass&BestQualityMaterial	Superior Quality	No.	
28	CookiesJarSmall250ml	MadefromGlass&BestQualityMaterial	Superior Quality	No.	
29	Glass-BrandyBalloon	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
30	Glass-ChampagneSaucer	MadefromGlass&EnsuringStrengthandResistancetoBreakage	Superior Quality	No.	
31	Glass-ChampagneTulip	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
32	Glass-DecanterBig	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
33	Glass-DecanterSmall	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
34	Glass-Juice	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
35	Glass-RedWine	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
36	Glass-RoliPoli	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	
37	Glass-WhiteWine	MadefromGlass&EnsuringStrengthandResistance to Breakage	Superior Quality	No.	

38	Glass-Cocktail(Martini)	Made from Glass & Ensuring Strength and Resistance to Breakage	Superior Quality	No.	
39	Glass-HighBall	Made from Glass & Ensuring Strength and Resistance to Breakage	Superior Quality	No.	
40	Glass-Hurricane	Made from Glass & Ensuring Strength and Resistance to Breakage	Superior Quality	No.	
41	Glass-OldFashion	Made from Glass & Ensuring Strength and Resistance to Breakage	Superior Quality	No.	
42	Glass-TomColin	Made from Glass & Ensuring Strength and Resistance to Breakage	Superior Quality	No.	
43	MarigritaGlass	Made from Glass & Best Quality Material	Superior Quality	No.	
44	MocktailJar(Aclaric)	Made from Glass & Best Quality Material	Superior Quality	No.	
45	PilsnerGlass	Made from Glass & Best Quality Material	Superior Quality	No.	
46	WaterGoblet	Made from Glass & Best Quality Material	Superior Quality	No.	
47	WineDecanter	Made from Glass & Best Quality Material	Superior Quality	No.	
48	Charoti(4kg)	Made from Best Quality Material	Superior Quality	No.	
49	DessertBowl	Made from Best Quality Material	Superior Quality	No.	
50	FoodPresentationBowls3differentshapesand sizes	Made from Ceramic & Best Quality Material	Superior Quality	No.	
51	FoodPresentationplates3differentshapesand sizes	Made from Ceramic & Best Quality Material	Superior Quality	No.	
52	IndianThaliwithGlass	Made from Stainless Steel & Sturdy Stainless Material	Superior Quality	No.	
53	Kadhahi(Medium)	Made from Aluminium & Best Quality Material	Superior Quality	No.	
54	LaddleLongHandle(18inch)	Made from Stainless Steel & Sturdy Stainless Material	Superior Quality	No.	

55	Laddle(12inch)	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
56	LaganBrasswithLid(BigSize)	MadefromBrass&BestQualityMaterial	Superior Quality	No.	
57	LaganBrasswithLid(MediumSize)	MadefromBrass&BestQualityMaterial	Superior Quality	No.	
58	Patilla(Brass)	MadefromBrass&BestQualityMaterial	Superior Quality	No.	
59	PerferatedLaddle	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
60	Tray(SS)	MadefromStainlessSteel&SturdyStainlessMaterial	Superior Quality	No.	
61	PressureCooker(03Ltr)	MadefromAluminium&BestQualityMaterial	Superior Quality	No.	
62	PressureCooker(05Ltr)	MadefromAluminium&BestQualityMaterial	Superior Quality	No.	
63	RollingPin	MadefromWood&QualityMaterial	Superior Quality	No.	
64	Silver stainless steel Bain Maria Food Warmer	Length-4 to 6 feet Number of Bowls-6	Superior Quality	No.	
65	Coffee, Tea and Hot water vending machine	Superior quality	Superior Quality	No.	
Date:			Name of the Bidder		
Place:			Sign. of the Bidder with Seal		

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date:

Name of the Bidder

Place:

Sign of the Bidder with Seal

PRICE BID/FINANCIAL BID

FORMAT-III

Distaster Management Equipments etc

Sr.No	Name Of products	Specification	UQC	Rate as per unit quantity (In rupees)
1	Portable Folding Aluminium Ladder 12.50 feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
2	Portable Folding AluminiumLadder15feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
3	Portable Folding AluminiumLadder18feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
4	Portable Folding AluminiumLadder20feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
5	Portable Folding AluminiumLadder30feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
6	Portable Folding AluminiumLadder36feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
7	Portable Folding AluminiumLadder40feet	OneButtonRetractionaluminiumtelescopicaluminiumentension	No.	
8	ElectricSafetyGloves	shockfree	No.	
9	HeavyWireCutter	inheavyduty	No.	
10	HeavyDutyPlier	shockfree	No.	
11	PortableToiletsingleseater	oneurinal&onewesterncommodeseatwithwashbasin2in1	No.	
12	MobileToilet2Seater	BothIndiancommode,washbasin/bothwesterncommode/ Oneurinal&oneIndiancommode.	No.	
13	MobileToiletVANFRP4seater	separateseatsformale&femalewithwashbasinattached	No.	
14	MobileToiletVANFRP6seater	separateseatsformale&femalewithwashbasinattached	No.	

15	MobileToiletVANFRP10seater	includes10cabin,5cabinperside	No.	
16	Curtain	Curtain	No.	
17	BedsheetSinglebed	BedsheetSinglebed	No.	
18	BedSheetDoubleBed	BedSheetDoubleBed	No.	
19	BedsheetSinglebedSuperiorQuality	BedsheetSinglebedSuperiorQuality	No.	
20	BedSheetDoubleBedSuperiorQuality	BedSheetDoubleBedSuperiorQuality	No.	
21	Pillow	Pillow	No.	
22	Pillowpolyfill	Pillowpolyfill	No.	
23	PillowCover	PillowCover	No.	
24	PillowCovercotton	PillowCovercotton	No.	
25	Blanketssinglebed	Blanketssinglebed	No.	
26	Blanketsdoublebed	Blanketsdoublebed	No.	
27	Blankets single bed SuperiorQuality	BlanketssinglebedSuperiorQuality	No.	
28	Blankets double bed SuperiorQuality	BlanketsdoublebedSuperiorQuality	No.	
29	quiltsinglebed	quiltsinglebed	No.	
30	quiltdoublebed	quiltdoublebed	No.	
31	quiltsinglebedSuperiorQuality	quiltsinglebedSuperiorQuality	No.	

32	quiltdoublebedSuperiorQuality	quiltdoublebedSuperiorQuality	No.	
33	QuiltCoverSingle	QuiltCoverSingle	No.	
34	QuiltCoverDouble	QuiltCoverDouble	No.	
35	QuiltCoverSingle	QuiltCoverSingle	No.	
36	QuiltCoverDouble	QuiltCoverDouble	No.	
37	MattressCover	MattressCover	No.	
39	Towel	Towel	No.	
40	HandTowel	HandTowel	No.	
41	BathTowel	BathTowel	No.	
42	Bucket	Bucket	No.	
43	Jug	Jug	No.	
44	SteelJug	SteelJug	No.	
45	BathStool	BathStool	No.	
46	Mope	Mope	No.	
47	Hangar		No.	
48	dustbinsmall	dustbinsmall	No.	
49	dustbinmedium	dustbinmedium	No.	
50	dustbinbig	dustbinbig	No.	
51	DIVINGSUIT	DIVINGSUIT	No.	

53	Inflatable motor rescue boat small (10 seated)	Inflatable motor rescue boat small (10 seated)	No.	
54	Dry Suit 05mm	Superior quality	No.	
55	Hoody	Superior quality	No.	
57	Tent Big	Superior quality	No.	
58	Tent Small	Superior quality	No.	
59	Face Mask Full	Superior quality	No.	
60	Face Mask (Half)	Superior quality	No.	
61	Triple Sheave Pulley	Superior quality	No.	
62	Weight Belt 10kg	Superior quality	No.	
63	Fins	Superior quality	No.	
64	Gloves	Superior quality	No.	
65	Scuba Cylinder (S-80) with breathing hose and backpack with harness	Superior quality	No.	
66	Spare Scuba cylinder (S-80)	Superior quality	No.	
67	Sinker 20kg	Superior quality	No.	
68	Snorkel	Superior quality	No.	
69	Under Water Torch	Superior quality	No.	
70	Diving Knife	Superior quality	No.	
71	Sash Cord 6mm	Superior quality	No.	
72	BOB Rope 12mm	Superior quality	No.	

73	BOBRope25mm	Superiorquality	No.	
74	RopePolypropylene12mm(40	Superiorquality	No.	
75	RopePolypropylene10mm(40 Mtr)	Superiorquality	No.	
76	InflatableRubberBoatwithOBMforboat45HP	Superiorquality	No.	
77	High pressure breathing aircompressor	Superiorquality	No.	
78	LED Panel P 4mm 15ft.x10ft. (14.69Ft. x 10.49Ft.) 1R1G1B (SMD)	PROPOSEDSIZE:W14.69888xH10.4992=154.326480896SQFT, VODEOCONTROLLER, Unipole (with single pole of 12to 15inch and outdoor structures and ACP), ENDTOENDINSTALLATION,Tilesize(pixel),	No.	
79	LED Panel P 4mm 12ft.x8ft. (11.54Ft. x 8.39Ft.) 1R1G1B(SMD)	PROPOSEDSIZE:W11.54912xH8.39936	No.	
		=97.0052165632SQFT,VIDEO		
		CONTROLLER, Unipole (with single pole of 12to 15inch and outdoor structures and ACP), ENDTOENDINSTALLATION,Tiles		
		size(pixel)		
80	Portablegeneratorcapacity1.5KW/1200watts	Portable generator capacity 1.5 KW /1200 watts, tank 2.5 litres, weight 10 kg, petrol engine, services- 10 LED bulb, 4 fan, 1 T.V. onerefrigerator,0.5HPsubmersible,1HPTulluPump,petrolengine.	No.	
81	Portablegeneratorcapacity1.9KW/1600Watts	Portable generator capacity 1.9 KW / 1600 Watts, service- 10 LED bulb, washingmachine / cooler, 1T.V., 1 refrigerator, 1hp submersible,1HPJetpump,fuel1ltrs,/2hours tank 4.2 ltrs, weight 20 kg, petrolengine.	No.	

82	Portablegenerator2.5KW/2200 watts	Portable generator 2.5 KW / 2200 wattsservice -10 LED bulb, washing machine / cooler, 4 fan, 1TV, one refrigerator, 1hp submersible,1HPJetpump,1.5tonAC,fuel1.5litre,tank4.5 ltrs,Weight23kg,petrolengine,trolleywheelfacility.	No.	
83	Portablegeneratorcapacity3.5KW/3000watts	Portablegeneratorcapacity3.5KW/3000 wattsservice-10LEDbulb,washingmachine cooler, 4 fans, 1TV, one refrigerator, 1.5 HP	No.	
84	Portable generator capacity 4 KW / 3500 watts	Portable generator capacity 4 KW / 3500watts, service -all home Appliances, 1 AC 7000WDJ,2HPsubmersible fuel1.25litre tank, 10 litre, weight 50 kg petrol engine, trolley wheel facility.	No.	
85	Portable generator capacity 6 KW / 5500 watts	Portablegeneratorcapacity6KW/5500 watts,service-allhomeappliance,2ACof1.5Ton,10000WDJ,fuel1.5litre ,tank13.5ltrs, weight 60 kg, petrol engine, trolley wheel facility.	No.	
86	Portablegeneratorcapacity7.5KW/7500watts	Portable generator capacity 7.5 KW / 7500 watts, service- all home Appliances, 4 AC, 14000WDJ,fuel3ltrs,tank26ltrs,weight 120kg,petrolengine,trolleywheelfacility.	No.	
87	KitchenSet	Superiorquality	No.	
88	Kitchen	Ordinary	No.	
89	RopeLaunchingGun	Superiorquality	No.	

90	CadaverBagalongwithwrappingsheet/PlasticSheet	Superiorquality	No.	
91	Binoculars	Superiorquality	No.	
92	BelayDevice	Superiorquality	No.	
93	Crampone(Micro)(9x6)	Superiorquality	No.	
94	Crampone(Micro)	Superiorquality	No.	
95	BarricadesPlastic1mtr	MadeinPVCMaterials	No.	
96	BarricadesPlastic1.5mtr	MadeinPVCMaterials	No.	
97	BarricadesPlastic2mtr	MadeinPVCMaterials	No.	
98	BarricadesPlastic1mtrto2mtrs	MadeinPVCMaterials	No.	
99	IlluminatingTaps	Superiorquality	No.	
100	Drones	Superiorquality	No.	
101	SoundMeter	Superiorquality	No.	
102	E-Toilets	PortableEToilet	No.	
103	NonSkidVehicleChainR-15to17	Superiorquality	No.	
104	NonSkidVehicleChainDifferent size	Superiorquality	No.	
105	TrackingShoes	quechua	No.	
106	TrackingShoes	Superiorquality	No.	

107	SafetyShoes	Superiorquality	No.	
108	WaterProofJacketwithpant	quechua	No.	
109	WaterProofJacketwithpant	Superiorquality	No.	
110	ShawlWeavingMachine/Khaddi	Power. 4 to 12 KW, Rapier Technical Textiles Loom, Water Jet Loom, Textile Weaving Machines, Electronic Jacquard, etc. These machines assist in weaving the clothesperfectly and with accurate measurement. The offered gamut comes in differentspecifications that aids in making varieties of textile with ease, high performance, robust construction,lowmaintenanceandeasyfunctioning.	No.	
111	ShawlWeavingMachine/Khaddi	Power. 4 to 12 KW, Automatic Grade, Automatic Loom, Beam Flange Diameter.Upto 1000 mm, Machine Speed. Varies With LoomWidth.Usage/ApplicationForWeavingOfShawls,S tolls,Scarfsetc.WeftSelection.Upto12.	No.	
112	KnapsackPowerSprayer	2Stroke	No.	
113	KnapsackPowerSprayer	4Stroke	No.	
114	Knitting Machine	withoutcard	No.	
115	Knitting Machine	withcard	No.	
116	Sewing Machine	bestquality	No.	
117	63MMHDPECoilPipe4KG	plastic	No.	
118	DulyCoupled63MMHDPE6 MTR longopipe	plastic	No.	
119	DulyCoupled63MMHDPE3MTRlongpipe	plastic	No.	

120	63MMHDPEBend	plastic	No.	
121	63MMHDPETee	plastic	No.	
122	63MMendCap	plastic	No.	
123	SprinklersNozzle12MTRRadius	plastic	No.	
124	63mmSprinklerattachment	plastic	No.	
125	FootBattenAssembly	plastic	No.	
126	GIRiserpipe20mmdaiand75cm long	plastic	No.	
127	63mmPCN	plastic	No.	
128	63mmHydrant2"	plastic	No.	
129	63mmPPballValve2"	plastic	No.	
130	Knitting Machine without card	Superior Quality	No.	
131	Sewing Machine	Superior Quality	No.	
132	Handloom Khaddi with all accessories	Superior Quality	No.	
133	Grass Cutter	Superior Quality	No.	
134	Knitting Machine without card with stand	Superior Quality	No.	
135	Sewing Machine with stand	Superior Quality	No.	
136	Power Spray Machine	Superior Quality	No.	
137	Grass Cutter	Superior Quality	No.	
138	Knitting Machine with card with stand	Superior Quality	No.	

139	Sewing Machine	Superior Quality	No.	
140	Khaddi with sawl waving machine with hand comber rachh with charkha etc. with	Superior Quality	No.	
141	Desial Pump Water Lift	Superior Quality	No.	
142	Knitting Machine with card with stand	Superior Quality	No.	
143	Agricultre Tool	Superior Quality	No.	
144	Search Light Dual Beam	Yellow and white light in one with cob light and police signal LED Watt : 30watt + 30watt (white/yellow colour output) ,Range : 1000 meter (approx) with 4hr backup on single beam (approx) , colour and body : Black/ABS with shoulder strap for easy handling, Weight: 1200gram (approx) , Battery source: 3.7V Lithium batteries, Modes : White- strong -low Yellow - strong -low, Both - strong -low -flasher & Side light - high -low - police signal, charger : External/battery status indication available, USB output: available for mobile charging, Dimensions: 110mm X 120mm X 280mm	No.	
145	Fire Racker		No.	
146	Double Bit Axes		No.	
147	Darat		No.	
148	Fire Extinguish Cylinder		No.	

149	Gloves		No.	
150	Safety Goggle		No.	
151	Head Torch		No.	
152	Water Bottle SS	Metal	No.	
153	Water Bottle Hot and Cold	Plastic	No.	
154	Water Bottle Hot and Cold	Metal	No.	
155	Safety Shoes Forest	Best Quality	No.	
156	Water Tank	Poly 500 Ltr	No.	
157	Rucksack Bag	Best Quality	No.	
158	Fire Racker	Best Quality	No.	
159	Double Bit Axes	Best Quality	No.	
160	Darat	Best Quality	No.	
161	Fire Extinguish Cylinder	Best Quality	No.	
162	Gloves	Best Quality	No.	
163	Safety Goggle	Best Quality	No.	
164	Head Torch	Best Quality	No.	
165	Water Bottle SS	Metal	No.	

166	Water Bottle Hot and Cold	Plastic	No.	
167	Water Bottle Hot and Cold	Metal	No.	
168	Safety Shoes Forest	Best Quality	No.	
169	Water Tank	Poly 500 Ltr	No.	
170	Rucksack Bag	Best Quality	No.	
171	Fire Racker	Best Quality	No.	
172	Double Bit Axes	Best Quality	No.	
	Self-erecting tents fully inflatable/ Portable ,Inflatable and quick installation tent	Technical data	No.	
		1. Projection size: 6.0x6.0x3.1m, projection area 36 m2.	No.	
		2. Internal dimensions: 5.52x5.52x2.86m, internal area 30.47 m2	No.	
		3. Front and rear door dimensions: (width) 1.2x (height) 1.9m, (2 panels)	No.	
		4. Window size: (height) 0.6x (width) 0.75m (6 windows)	No.	
		5. Air column: gray 0.7mm PVC double-sided coated mesh cloth	No.	
		6. Exterior: 600d single-sided coated Oxford cloth	No.	
		7. Inner lining: 210d white Oxford cloth	No.	
		8. Floor cloth: gray 0.45mm PVC double-sided coated mesh cloth	No.	
		9. Two sets of gas column installation valves (4 filling and exhaust valves, 1 safetyvalve)	No.	

173		10. The tent is equipped with 2 valve ports and 1 ventilation port.	No.	
		11. The main structure is made using high-frequency heat sealing technology	No.	
		12. Adapt to temperature:- 45~+65°C	No.	
		13. Adapt to temperature:- 25~60°C	No.	
		14. Work pressure: 18-22Kpa	No.	
		15. Wind resistance level: ≤ Level 8	No.	
		16. Packaging size: (length x width x height) 1.5x1x1m	No.	
		17. Packaging: pvc	No.	
		Standard :	No.	
		1. 1 electric charging and exhaust pump	No.	
		2. Hand Hammer: 1	No.	
		3. Ground nails: 8 pieces	No.	
		4. Pulling rope: 8 pieces	No.	
		5. Rubber can: 1 piece	No.	
		6. Patch: Ø 8cm, 6 pieces	No.	
174	Foldable light weight tables	Material - Aluminium Alloy Frame & Stainless Steel	No.	
175	Foldable Lightweight Chairs	Material - Aluminium Alloy Frame & Stainless Steel	No.	

176	Personal Floating Device (Life Jacket made of polyurethane foam)	Best Quality	No.	
177	Emergency Light Solar Enabled	Best Quality	No.	
178	Leather Safety Gloves	Best Quality	No.	
179	First Aid Kit	Best Quality	No.	
180	Gas Lighter	Best Quality	No.	
181	Good Quality Plastic Whistle	Best Quality	No.	
182	Water Bottle	Best Quality	No.	
183	Rucksack and Track Mattress	Best Quality	No.	
184	Red Colour Uniforma Dress with NDMA Logo back side and SDMA logo front side	Best Quality	No.	
185	Water Resistant Vlothing / Raincoat	Best Quality	No.	
186	Gum Boot	Best Quality	No.	
187	Safety Goggle	Best Quality	No.	
188	Safety Helmet	Best Quality	No.	
189	Static Multipurpose Rope 50 mtrs 10 mm	Best Quality	No.	
	CSSR EQUIPMENT			
190	PLIER 8 INCHES	a) Size : Length 8”	No.	
		b) Material: made of forged steel with insulated handle	No.	

		c) Teeth/cutting edge: One jaw having cutting edge & other have teeth BIS Specifications	No.	
		d) The pliers should have insulated handle. The insulating material shall be PVC or any other	No.	
		e) The insulation shall cover the whole of the handle and insulating material shall adhere firmly	No.	
		f) The pliers shall pass various tests described in IS 2615	No.	
191	VICE GRIP 10 INCHES	a) size : Length 10"	No.	
		b) Material: made of forged steel	No.	
		c) Teeth : On both jaws	No.	
192	BOLT CUTTER 14 INCHES	a) Size : Length 14"	No.	
		b) Cutting jaws : made of high tensile solid alloy steel, especially head treated with centre cut heads.	No.	
		c) Handle : With sufficient grip of rubber for a length of 6 to 8 inches	No.	
		d) Application : Suitable for cutting hard material viz bolt, iron rod of 8 to 10 mm diameter	No.	
193	BOLT CUTTER 30 INCHES	a) Size : Length 30"	No.	
		b) Cutting jaws : made of high tensile solid alloy steel, specially heat treated with centre cut head	No.	
		c) Handle : With sufficient grip of rubber for a length of 6 to 8 inches	No.	
		d) Application : Suitable for cutting hard material viz. bolt, iron rod of 10 to 14 mm diameter	No.	
194	CHISEL FOR CONCRETE ½ INCHES	a) size : Length 4", width 10 mm	No.	
		b) Material: made of hardened alloy iron, specially heat treated	No.	

		c) Application: Suitable for chiselling of concrete & brick	No.	
		Qualitative Requirements (Width ½")	No.	
		a) Size : Length 6", width ½"	No.	
		b) material : made of hardened alloy iron, specially heat treated	No.	
		c) Application: Suitable for chiselling of concrete & brick	No.	
		BIS Specifications.	No.	
		d) Chisels shall be made of suitable quality carbon or alloy steels meeting the hardness & other	No.	
		e) Cutting edge hardness- 550 to 650 HV	No.	
		f) head hardness-345 to 450 HV	No.	
		g) The chisel head shall be heat treated to achieve the hardness given above	No.	
		h) The chisels shall be forged to shape in one piece from hexagonal', octagonal, square or round	No.	
		i) The body & the ground portion of the chisels shall be given a suitable anticorrosive treatment	No.	
195	CHISEL FOR CONCRETE ½ TO 1 INCHES	a) size: Length 8" , width 1"	No.	
		b) material: made of hardened alloy iron, specially heat treated	No.	
		c) Application: Suitable for chiselling of concrete & brick BIS Specifications	No.	
		d) Chisels shall be made of suitable quality carbon or alloy steels meeting the hardness & other	No.	
		e) Cutting edge hardness-550 to 650 HV	No.	

		f) head hardness-345 to 450 HV	No.	
		g) The chisel head shall be heat treated to achieve the hardness given above.	No.	
		h) The chisels shall be forged to shape in one piece from hexagonal, octagonal, square or round	No.	
		i) The body & the ground portion of the chisels shall be given a suitable anti corrosive treatment.	No.	
196	FRAMING SQUARE 22 INCHES	a) Size: Length of one leg 22”, width 1.5 to 2”, L shape	No.	
		b) Material: made of steel	No.	
		c) Marking : Marking in both inches & mm, Painted in black colour with white marking on the	No.	
		d) Application: Used or measuring right angles & for marking out	No.	
		e) Hardness 418 HV to 460 HV	No.	
		f) Material : the blade shall be made from suitable steel meeting the above hardness	No.	
		g) The rivets shall be made from mild steel , face plate of brass	No.	
		h) All working faces & edges of the Square shall be smoothly finished.	No.	
197	FIRE AXE 2 ½ FEET	a) Size : 12” with 2.5 feet long rod	No.	
		b) Weight: 5 kg	No.	
		c) Handle: Fully Insulated handle tested at 2500 volts BIS Specifications	No.	
		d) Axe heads shall be made of suitable grade of tool steel (As per IS 2748)	No.	
		e) The Weight of hand & felling axes shall be 1 kg (As per IS 500)	No.	
		f) harness-550 to 650 HV at a point 13 mm from tip (As per IS 500)	No.	
		g) Mechanical test-Axe head shall be fitted with	No.	

	CROW BAR 2 FEET	a) Size : Length 24”	No.	
		b) Diameter of rod: 1”	No.	
		c) Material : made of tempered steel	No.	
		d) Attachment: Claw attachment for removing	No.	
		e) The bars shall be heat treated to obtain a	No.	
		f) The material shall be suitable quality steel such	No.	
		g) The bars shall be forged clean & in one piece.	No.	
		h) Cutting ends of the bars may be rounded off & finished ground.	No.	
	CROW BAR 3 FEET	a) Size : Length 36 “	No.	
		b) Diameter of rod: 1”	No.	
		c) Material: made of tempered steel	No.	
		d) Attachment: Claw attachment for removing nails BIS Specifications	No.	
		e) The bars shall be heat treated to obtain a minimum hardness value of 320HV.	No.	
		f) The material shall be suitable quality steel such as wrought steel	No.	
		g) The bars shall be forged clean & in one piece.	No.	
		h) Cutting ends of the bars may be rounded off & finished ground.	No.	
	PICK MATTOCK	a) Size : 2” wide, 9” long	No.	
		b) Weight : 3 Kg	No.	
		c) Ends : One prong end blunt point headed 9” long & other prong flat headed	No.	
	HACKSAW 12 INCH TUBULAR	a) Size : Adjustable length 250 mm to 300 mm with handle	No.	
		b) Blade Type: High speed steel blade, size 300 mm x 12.5 mm x 0.63 mm	No.	

		c) Body: Tubular frame body	No.	
		d) Provision: for tightening & loosening of blades BIS Specification HackSaw frame	No.	
		e) Type : Open grip adjustable flat hacksaw frame	No.	
		f) Nominal size: 250-300 mm.	No.	
		g) Impact test: Dropped on a concrete floor from a height of 3 meters	No.	
	HAND SAW 600 MM	a) Size : Length 600 mm with wooden/ plastic handle	No.	
		b) Shape: Trapezium shape, width at one end 125 mm & 45 mm on the other	No.	
		c) Thickness : 0.80 mm	No.	
		d) Cutting edge: It should be straight	No.	
		e) Material: Blade made of hardened & tempered spring steel strips	No.	
	TIN SNIP 12 INCHES	a) Size : Length 300 mm	No.	
		b) Application: For cutting tin sheets of small thickness	No.	
	CLAW HAMMER	a) Weight : 1 lbs	No.	
		b) Type : Nag ore type	No.	
		c) Size : Width 4"	No.	
		d) Provision : ¾" head dia at one side of hammer & claw on the other side to remove nail	No.	
		e) Handle : Wooden handle BIS Specifications	No.	
		f) Striking face hardness : 46 to 58 HRC	No.	
		g) Hammer shall be cleanly forged & free from flaws, seams, & other forging defects.	No.	
		h) The claw hammer shall be made of steel conforming to designation T-55 of IS-1570	No.	
		i) The handle shall conform to IS-4953 & shall be shaped before fitting to suit the eye of the hammer.	No.	

	SLEDGE HAMMER 7 KG	a) Weight : 7 KG	No.	
		b) Provision : Iron head	No.	
		c) Handle : Wooden handle`	No.	
		d) Application: To break concrete & drive stacks BIS Specification	No.	
		e) The hammer heads shall be made from fully killed forging quality steel.	No.	
		f) The hammer heads shall be hardened &tempered on the striking faces &pains only.	No.	
		g) The striking face shall have harness between 46 to 58 HRC	No.	
		h) The hammer heads shall be cleanly forged in one piece.	No.	
	SLEDGE HAMMER 10 KG	a) Weight : 10 KG	No.	
		b) Provision: Iron head	No.	
		c) Handle : Wooden handle	No.	
		d) Application: To break concrete & drive stacks BIS Specifications	No.	
		e) The hammer heads shall be made from fully killed forging quality steel.	No.	
		f) The hammer heads shall be hardened & tempered on the striking faces &	No.	
		pains only.	No.	
		g) The striking face shall have hardness between 46 to 58 HRC.	No.	
		h) The hammer heads shall be cleanly forged in one piece.	No.	
	LEVEL 12 INCHES	a) Size : Length 12” (300 mm)	No.	
		b) Provision: Provided with horizontal, vertical & 45 degreelevel marks to determine level of surface/structural member	No.	
	FILE FLAT 12 INCHES	a) Type: Flat file, double cut, rough	No.	
		b) Size : Length 12”	No.	

		c) Handle: Wooden handle	No.	
		d) Material: High speed steel	No.	
		e) Application: To sharpen tools & to smooth rough edges BIS Specification	No.	
		f) Wooden handle Material- The handles for rasps/engineers files/engineers scrapers shall be manufactured from any of the timbers specified for class V handles.	No.	
		g) The material should be of designation 118n T 3 as per IS 3748	No.	
		h) The hardness of cutting portion of the file shall be 745 HV	No.	
		i) flat file shall be of rectangular cross section, parallel for 2/3 file length and then tapering towards the point in with width and parallel or slightly tapering in thickness	No.	
	PRY BAR 6 FEET	a) Size : Length 5.5. feet, diameter/thickness 1"	No.	
		b) Material: Made of tempered steel	No.	
		c) Application: To align, adjust, move & pry BIS Specification	No.	
		d) The bars shall be heat treated to obtain a minimum hardness value of 320 HV.	No.	
		e) The material shall be suitable quality steel such as wrought steel	No.	
		f) The bars shall be forged clean & in one piece.	No.	
	CARPENTER HAMMER 3 INCHES	a) Weight : 1 lbs	No.	
		b) size: Width 3", 3/4" head diameter	No.	
		c) Application : To drive nails	No.	
		d) Material & Handle : Made of tempered steel with Wooden handle BIS Specification	No.	
		e) The hammer heads shall be made from fully killed forging quality steel.	No.	

		f) The hammer heads shall be hardened & tempered on the striking faces & pains only.	No.	
		g) The striking face shall have hardness between 46 to 58 HRC.	No.	
		h) The hammer heads shall be cleanly forged in one piece.	No.	
	CARPENTER PENCIL PACKETS	a) Type : Flat pencil of standard size, one packet containing 10 pencils	No.	
	SCREW DRIVER SET	a) Size: One complete set of eight sizes of bits	No.	
		b) Type: Flat tip/square tip including star shaped screw driver	No.	
		c) Handle: Insulated handle tested at 3000 volts BIS Specifications	No.	
		d) The blades shall be made from suitable steel which is heat treated	No.	
		e) Plastic handle shall be solid and made of cellulose acetate.	No.	
		f) The ferrules shall be made of steel conforming to IS 513	No.	
	HACKSAW REPLACEMENT BLADES 12 INCHES LONG	a) Size: 300 mm x 12.5 mm x 0.63 mm	No.	
		b) Blade type: High speed steel blade BIS Specification	No.	
		c) Size: conforming to the size of frame of 250 –300 mm.	No.	
		d) Material: High speed steel	No.	
		e) The blades shall be manufactured reasonably straight true to shape and size.	No.	
		The pinholes shall be neatly punched.	No.	
		f) The out of straightness per 100 mm length of the blade in the longitudinal direction shall not exceed 0.6 mm for all types and sizes of hacksaw blades.	No.	

		g) The blades shall be free from burrs, rust, scale and free from distortion requirements.	No.	
	PAINT BRUSH ¾ INCH	a) Size : 75 mm (3")	No.	
		b) Material: Hard bristles for cleaning purpose BIS Specification	No.	
		c) The bristles of the brush shall be made of animal hair.	No.	
		d) The handle shall be shaped to suit the ferrule.	No.	
		e) The handle shall be finished smooth all over & properly varnished or lacquered.	No.	
	SHOVELS ROUND 8 INCHES	Size: length 8", width 8", of almost round shape	No.	
		Material : made of wrought iron	No.	
		Handle : Provision of wooden handle to be incorporated	No.	
		Application : Suitable for various types of earth work BIS Specification	No.	
		The shovel blade shall be made of suitable quality sheet steel as such T-50,	No.	
		T-55.	No.	
		Each blade shall be made in one piece without any welded or riveted joint.	No.	
		Shovels to be supplied with handles complete.	No.	
		The blades shall be well formed & cleanly made.	No.	
		The blades shall be free from seams, splits, cracks.	No.	
	SPADE SHOVELS 12X10 INCHES	a) Size : Length 12", width 10", of rectangular shape	No.	
		b) Material: made of wrought iron	No.	
		c) Handle: Provision of wooden handle to be incorporated	No.	
		d) Application: Suitable for various types of earth work BIS Specifications	No.	

		e) The shovel blade shall be made of suitable quality sheet steel as suchT- 50, T-55.	No.	
		f) Each blade shall be made in one piece without any welded or rivetedjoint.	No.	
		g)Shovels to be supplied with handles complete.	No.	
		h) The blades shall be well formed & cleanly made.	No.	
		i) The blades shall be free from scams, splits, cracks.	No.	
	SPADES	Spades should be of rectangular shape with provision to incorporatewooden handle. The material used for fabrication should be iron of	No.	
		suitable grade.	No.	
	AXE MATE KIT	GENERAL:- Designed for Emergency workers, fire fighters and in disasters and consists of Axe with fibre glass reinforced, thermoplastichandle, forged steel/tested for at least 22000 volts with different attachments i.e. shovel, mattock, hoe, fire rake, narrow pick, board pick, quality leather axe sheath, canvas carry case & heavy duty cardboard with handles.	No.	
		TECHNICAL SPECIFICATION:	No.	
		WEIGHT : 05 Kg to 07 Kg	No.	
		CONSTRUCTIONS:	No.	

		The axe head, pick, chisel and mattock are made of grade EN 8 steel or better than EN 8 steel. The shovel, rake cum hoe are made from steel and the blades should be hardened for long life. The hitch pins are of high-grade steel hardened and plated. The axe head is fixed with the handle and preferably bonded with the best epoxy resins. The composition of the handle is of protruded fibreglass insert moulded on the outside with PPCP and EPDM, giving tremendous elasticity and shock absorbent, to avoid blisters or sore palms even after having chopped quite some wood.	No.
		DESIGN: The axe head is designed to chop wood effectively.	No.
		HARDNESS: Of the blade ensures to cut or strike against rock or steel.	No.
		APPROVAL: Tested at 22000 volts at least.	No.
		NOTE TO TENDERER:	No.
		1.The tendered shall indicate the make/model in their offer.	No.
		2.The tendered shall furnish the clause-by-clause compliance statement.	No.
		In case there is any deviation the same should be clearly brought out inthe offer.	No.
		3. They shall mention the relevant BIS/EN/DIN/UL certificate of theproduct offered.	No.
		4. Technical manual comprising of servicing details shall be supplied withSystem.	No.
		5. Relevant Test certificates shall be provided from a Govt. approvedlaboratory or from the manufacturer, along with their offer.	No.

	BRICK HAMMER	a) Weight : 1 lbs	No.	
		b) Provision : One end square shaped & the other flat chisel shaped	No.	
		c) Material & Handle : Iron alloy with Wooden Handle	No.	
		d) Size : Width 4"	No.	
		e) Application : Used for breaking bricks BIS Specification	No.	
		f) The hammer heads shall be made from fully killed forging quality steel	No.	
		g) The hammer heads shall be hardened & tempered on the striking faces & pains only.	No.	
		h) The striking face shall have hardness between 46 to 58 HRC.	No.	
		i) The hammer heads shall be cleanly forged in one piece.	No.	
	8 PENNY NAILS IN KGS-2, 3, 4 INCHES ASSORTED	a) Size & Material : 14 no nails of size 1", 2" (Mixed), made of iron	No.	
		b) Application : To join wooden members	No.	
		BIS Specification	No.	
		As per IS-725	No.	
	16 PENNY NAILS IN KGS-2, 3, 4 INCHES ASSORTED	a) Size & Material : 10 no nails of size 3", 4" (mixed), made of iron	No.	
		b) Application : To join wooden members	No.	
		BIS Specification As per IS-725	No.	
	WATER JELL BLANKET	TECHNICAL SPECIFICATION	No.	

		Appearance – Off- white, translucent, Odor-Characteristic, Specific Gravity- 0.988-1.046, PH-4.0-6.0 unique multi-purpose product for emergency burn care, and fire protection. Size: 8’ x 6’ . In its larger sizes, water Jell can be used to extinguish small fires put out flames on a victim and shield rescuers from heat and flames. It is ideal from industrial plants, on-location worksites, and restaurants emergency vehicles. The packing is as follows- blanket inner bag- extruded polyethylene; Knife cut mark on top at each side of bag. Canister -High density polyethylene.	No.	
		Blanket pouches (Foil). A combination laminated printed webconsisting of 48 gauge polyester.	No.	
	EXHAUST FAN 12 INCHES	a) Size :- 12”z (30 cm)	No.	
		b) Motor:- Single phase	No.	
		c) Power :- 2 hp	No.	
	EXTENSION CORD 8 MM DIA 100 MTRS LONG	a) Type : With one 15 amp & two 5 amp switch socked fixed on wheel of diameter 1 feet with handle.	No.	
		b) Handle : Insulated handle of 6” to provide manual grip	No.	
		c) Cord : PVC wire 8 mm, 25 meter length with 2//3 pin plug, withwrapping arrangement on wheel.	No.	
	WORKING LAMPS WITH 50 MM DIA 100 MTRS LONG	a) Type: With bulb holder, wire mesh protection for bulb.	No.	
		b) Handle: Fully Insulated handle to provide manual grip.	No.	
		c) Cord: PVC wire of 6 mm, 50 meter length with 2/3 pin plug.	No.	

	FUEL CONTAINERS 20 LTRS.	a) Type : Eco friendly thermo setting plastic	No.	
		b) Capacity : 20 liter	No.	
		c) Application : To store & transport small amount of fuel	No.	
		d) Accessories: With keep & pipe of filling the fuel BISSpecification.	No.	
		e) The containers shall be made from the following grades of HDPE	No.	
		Containers HDPE 42 BB Closures HDPE-43 MB	No.	
		f) The containers shall be provided with a handle having acomfortable grip.	No.	
		g) The minimum thickness of the containers shall not be less than0.20mm at any point.	No.	
	MISCELLANEOUS UTILITY EQUIPMENT			
	MEGHA PHONE	a) Power output; 16 watt rated, 20 watt maximum	No.	
		b)Voice range : 0.40 km(1 km in quiet area)	No.	
		c) power source : 12 volts DC, 8 x UM-2 CELLS	No.	
		d)Microphone: Unidirectional, with volume control & press to talk switch	No.	
		e)Dimension: Horn diameter 220 mm, length 370 mm	No.	
		f)Weight: 2 kg (approximate)	No.	
		g)Operation: Dry cell & car battery operation	No.	
		h)Body: Sturdy & light weight with inbuilt siren	No.	
		BIS Specification	No.	
		a) The megaphone shall be able to withstand the following climatic severities:	No.	
		Dry heat : + 70C	No.	

		Cold heat : - 10C	No.	
		Damp heat: 2 cycles	No.	
		b)Weight : No more than 2 kg.	No.	
		c)Harmonic distortion: should be less than 10% at 1000 Hz	No.	
		d) Frequency Response: Overall frequency response shall be within plus minus 3 dib from 300 to 3000 Hz.	No.	
	BUCKETS SMALL	a) Size : 15 Litre capacity	No.	
		b) Provision: With handle to carry	No.	
		c) Material : Made of plastic	No.	
		BIS Specification	No.	
		d) The bucket shall be molded from natural or colour HDPE (high density polythene bucket)	No.	
		e) The HEPE use for injection molding of buckets shall be of grade 45/55 M.A. ets shall have smooth surface finish without any blemishes.	No.	
		g)The handle shall be rigid and made of metal, coated metal or HDPE.	No.	
	BUCKETS LARGE	a) Size : 25 Litre capacity	No.	
		b)Provision: With handle to carry	No.	
		c) Material : Made of plastic	No.	
		BIS Specification	No.	
		d) The bucket shall be molded from natural or colour HDPE(High density polythene bucket)	No.	
		e) The HDPE used for injection moulding of buckets shall be of grade 45/55 MA.	No.	
		f)The buckets shall have smooth surface finish without any blemishes.	No.	
		g) The handle shall be rigid and made of metal, coated metal or HDPE.	No.	
	RACKS PLASTIC	a)Size : 18'' x 12'' x 10''	No.	
		b) Material : Plastic tray for keeping small items	No.	

	SPRAY BOTTLES 1 LTR	a) Size :- 1000 cc(1 litre) capacity	No.	
		b)Material:- Made of Eco friendly thermo setting plastic	No.	
		c) Grip:- With squeeze grip	No.	
	STEEL PIPES 6’/12”	a) Size- Length 6 feet, external dia 2” & thickness 5 mm	No.	
		b) Material :- Seamless steel	No.	
	SPRAY PAINT ORANGE 400 CC	a)Weight/Volume:- 300 gm/400 cc	No.	
		b) Colour:- Colour must be of high contrast, durable & fluorescent	No.	
		c) Knob arrangement: - Press knob for release of paint, the release of paint should be in the form of spray jet.	No.	
	SCENE TAPE 100 M ROLLS	Size : Length 100 meter, width 3”	No.	
		2. Material : PVC tape roll with red & white strips (Red colour preferably in fluorescent colour) with DANGER written in bold letters	No.	
	ROPE MANILA 100 M ROLLS	Rope Manila of size 20 to 25 mm and made from Hessian Fabric With 3 strands laid in s or z pattern.	No.	
		It should be made up of 3 strands, adequate abrasion resistance with following specifications:-	No.	
	ROPE NYLON 100 M ROLLS	Size (Dia-mm)	No.	
		Breaking strength	No.	
		10 mm	No.	
		Should be more than 1500 lbs	No.	
		12 mm	No.	
		Should be more than 2000 lbs	No.	
		14 mm	No.	
		Should be more than 3000 lbs	No.	
		16 mm	No.	
		Should be more than 3500 lbs	No.	

	TRAFFIC CONES	The traffic cones should be made by suitable & durable plastic, the base of which should be heavy rectangle to provide standalone Stability with conical body of height not less than 2 ft. It should be painted with orange fluorescent paint with retro reflective strip of 1 to 2 inch width around the conical body at suitable height.	No.	
	FULL BODY HARNESS	It should be useful for safe working on Heights & protection against fall. The shoulder and thigh straps should be easily identified by two different colours. It should be fabricated for high shock absorbing and impact dispersing capacity while working-before, during and after a fall. It should have a specially designed seat strap for optimum comfort. It should have Energy Absorbing Dorsal ID.	No.	
		SPECIFICATION:- Its Anchor point should be by means of 2 chest attachment triangular-ring and a dorsal attachment triangular -ring. It should have adjustable shoulder and thigh straps.	No.	
		ACCESSORIES	No.	
		If required it should be available with accessories like Kinetic Energy absorbers, Lanyards, Karabiners.	No.	
	EVEREADY BATTERIES 1.5 V	a) Size:- AA	No.	
		b) Voltage:- 1.5 volts	No.	
		c)Type:- Leak proof	No.	
		BIS Specification	No.	
		d) The material shall be as per IS 6303	No.	
		e)The terminal shall provide and maintain good electrical contact	No.	
	PERSONAL PROTECTIVE GEARS			

	SAFETY VEST FLUORESCENT WATER PROOF	a) Material : Sleeveless jacket made of red fluorescentcolour cloth with white strips	No.	
		b) Size : Extra large	No.	
	HEAVY DUTY WORK GLOVES	a) Material:- Made of fine leather, flexible	No.	
		b) Application :- Capable to work with hand held machine	No.	
		c) Size :- Medium, Large and Extra Large	No.	
	FACE SHIELD	MANIKMIN FACE SHIELD (100 PCs)	No.	
		Rectangular Barrier device used by rescuer when giving mouth-mouth/mouth –nose ventilation in patients.	No.	
		Size 7”x12” outer synthetic layer and 5”x7” central rectangular sieve like filter of non absorbent white plastic;	No.	
		The outer layer has a central hole of 1.5” diameter in the area of contact with patient mouth/nose and rescuer mouth with intervening filter layer	No.	
		Package: Single use disposable in sterile packingConfirming to IS 1179/1967	No.	
	SAFETY GOGGLES	a) Colour :- Grey/blue	No.	
		b)Material:- Lightweight & safe to wear with impact resistant plastic	No.	
		c) Provision:- Adjustable according to the size of the head, loose enough to pass the sweat.	No.	
	NOSE MASK	Nose mask shall be provided with oxygen supplied tubing fabricated from latex free material with suitable female end connection. This should have elastic strip to fix over nose. The nose mask should also be provided with exhale port on either side.	No.	
	DUST MASK	a) Size : 4”	No.	

		b) Provision: Having two elastic straps to fasten above & below the ear to prevent the dust	No.	
		c) Material: The cloth used for fabricating dust mask should be able to prevent entry of dust	No.	
	EAR PLUG CORDED	a) Material :- Made of soft eco friendly fibre material, corded	No.	
		b) Provision:- With a lace or same type of other arrangement to keep units of both the ear together	No.	
		c) Application :- To prevent entry of dust & loud sound in the ear	No.	
		d) Material coming into contact with the body shall not cause irritation	No.	
		e) It shall be resistant to skin oil, hair oil and ear wax.	No.	
		f) Ear protector shall be made of material which is capable of being cleaned and sterilized.	No.	
		g) Ear Plug should be elastic to the ear canal	No.	
		h) Ear plug should be made so that no deleterious changes occur between (-) 25 and + 55 degree centigrade.	No.	
	KNEE PAD CUSHION 1 INCH	a) MATERIAL:- made of hard plastic with 1" sponge cushion inside with pair of straps for securing knee pads	No.	
		b) Application :- To fasten on the knees to protect from injury	No.	
	DETECTION & LOCATION EQUIPMENT			
	VIDEO CAMERA WITH ACCESSORIES	High definition resolution	No.	
		1920x 1080i		
		High definition video codec		
		MPEG-4		
		Standard definition recording		

		MPEG-2	
		Memory storage	
		120 GB at least pm HDD and extra with memory sticks	
		Zoom	
		Optical 12 X, Digital 30 X Total zoom – 1800 X	
		Image sensor	
		½.88 Exmor R, CMOS Sensor with clear Vid array	
		Filter Diameter	
		37 mm	
		LCD	
		3.2 With touch panel	
		Photo mode resolution	
		12 Mega Pixel	
		Dual recording image resolution	
		8.3 Mega Pixels (3840x2160pixels) /16:9)/6.2 Mega Pixels (2880 x 2160 Pixels/4:3)	
		Features	
		Face detection (Photo and video super night shoot face index ,Film roll index, Memory card slot, HDMI Terminal, USB Terminal, Flash, Surround sound 5.1 ch	
		Weight with Accessories ,tape etc	
		490 Gms	
		Essential accessories	
		Memory Stick-01 (4 GB),Battery Pack-02 (Total),Battery Charger-01, AC Adopter-01,Remote control-01,C Video cable-1,AV Cable-01,USB cable-01,Requierd soft ware carrying case for hand carry/shoulder strap/waist bag.	

	EXTRICATION & ACCESS EQUIPMENT			
	HAMMER DRILL CONCRETE	1 Power Input :not more less than 750 watt on variable. Speed	No.	
		2 Nominal Speed : 0-900 (Right rotation –900) (Left rotation not less than 400)		
		3 Impact Rate :- Not less than 2 j		
		4 Electrical cord:- 5 mtr in length with 15 amp plug.		
		5 Weight: - Not more than 3.5 kg.		
		6 Accessories :- Adjustable bits of different diameter 5 mm and 10 mm forconcrete, 10 mm & 15 mm for steel and 20 mm, 30 mm & 40mm for wood		
	ELECTRIC DRILL	Input power: Not more than 600 W.	No.	
		No load speed: Variable 1000 - 2400 RPM.		
		Weight: Less than 3 kg.		
		Shock proof body with different sizes of bits for both metal &wood.		
	ELECTRIC DRILL BIT SET	a) Bit type: Material bits used for wood & metal cutting.	No.	
		b) Bit diameter: Complete set of 19 bits from 1 mm to 10 mm.		
		c) Compatibility: Compatible with Electric drill equipment.		
		d) Material- High speed steel		
		e) Hardness –760 HV Min, 900 HV MAX		
		f) Hand of cutting unless otherwise specified Right.		
		g) The drills shall be manufactured in one piece and shall be freefrom cracks and burrs.		

		h) The two cutting edges of the centre drill shall be diametrically Opposite.		
		i) The drill shall be properly sharpened and ready for use.		
		j) Each centre drill shall be covered with a suitable rust proofing material.		
	CHIPPING HAMMER BITS-FLAT	CHIPPING HAMMER BITS-FLAT (12”X18” DIA -19MM)-	No.	
	CHIPPING HAMMER BITS-POINTED	CHIPPING HAMMER BITS-POINTED (12”X18” DIA -19MM)-	No.	
	DRILL BIT SET FOR CORDLESS HAMMER DRILL	metal	No.	
	SPARE BATTERY FOR CORDLESS HAMMER DRILL	Lithium ion	No.	
	FIRE EXTINGUISHER 20 LBS DRY CHEMICAL TYPE	Specifications as per BIS “IS 13849:1993”	No.	
	INDIVIDUAL KIT			
	SAFETY HELMETS	a) ISI MARKED : IS : 2925 OF 1984 b) SHELL MATERIAL : High Density Polyethylene (HDPE) c) Adjustable And Detachable Head Band With NAPE d) STRAP MATERIAL: Low Density Polyethylene (LDPE) e) ADJUSTABLE CHIN STRAP : Nylon Chin strap and Ratchet type head band f) SLOT FIX DESIGN : Provision for easy clip on accessories like face shields and ear muffs COLOUR : Yellow	No.	
	SAFETY TORCH	a) Three Cell water proof torch b) POWER SOURCE - Carbon Zinc only: 3XD cell BULB/LAMP: PR-3	No.	

		BULB/LAMP LIFE - 15 HOURS c)LIGHT OUTPUT - 15,000 Beam candlepower Weight (without batteries)-6 OZ (9.17 Kg) water proof d)Suitable for use in hazardous atmosphere. e) Spare bulb compartment f) Ring hanger (3 way switch) - ON-OFF-FLASH G) Three way switch : ON: OFF:FLASH H) Anti roll Tube I) Over Sized faceted reflector for more light J) UL approved		
	MFR KIT			
	BITE STICKS	a) Material: plastic b) Length: 6 inches c) Width: 0.5 to 0.75 inches d)Thickness 2-3 mm at one end tapering to 05. mm at other end with Good grip e) Used to removes stings from epidermis of skin	No.	
	BLOOD PRESSURE CUFF ADULT WITH DIAL	a) Type Adult –Dial type b) Tube length: 20 - 22” c) Cuff width: 5” – 6” d) Bladder insider cuff should fit in properly e)Material synthetic cloth with non Velcro fixing; Hook;and durable bulb inflator. f) ISI market and standard calibration of 0-300 mm	No.	
	CASE STIFF NECK COLLAR	a)Rigid cervical collar extrication type. b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion.	No.	

		c) Padded chin rest for application by sweep technique d) Colour coded and measure holes for easy identification. e) Measurement of correct size. f) Velcro for easy fixation. g) MRI/Ct Scan compatible ; Radio lucent h) Tracheal access opening for advanced airway procedures i) Rear panel opening for cervical spine palpation. j) Latex free and durable.		
	COLLAR STIFF NECK SHORT	CERVICAL COLLAR SHORT (AS PER IS: 11569) a) Rigid cervical collar-extrication type b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion. c) Padded chain rest for application by sweep technique. d) Colour coded and measure holes for easy identification and measurement of correct size. e) Velcro for easy fixation. d) MRI/CT Scan compatible; radio lucent e) Tracheal access opening for advanced airway procedure; f) Rear panel opening for cervical spine palpation g) Latex free and durable h) The size of finished c-collar should not be less than 4.5 cm when measurement as per prescribed procedure.	No.	
	COLLAR STIFF NECK REGULAR	COLLAR STIFF NECK REGULAR(AS PER IS: 11569) a) Rigid cervical collar-extrication type	No.	

		<div>b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion.</div> <div>c) Padded chain rest for application by sweep technique.</div> <div>d) Colour coded and measure holes for easy identification and measurement of measured of correct size.</div> <div>e) Velcro for easy fixation.</div> <div>f) MRI/CT Scan compatible; radio lucent</div> <div>g) Tracheal access opening for advanced airway procedure;</div> <div>h) Rear panel opening for cervical spine palpation</div> <div>i) Latex free and durable</div> <div>j) This size of finished c-collar should not be less than 6 cm when measurement as per prescribed procedure.</div>		
	COLLAR STIFF NECK ‘NO NECK’	<div>COLLAR STIFF NECK (NO NECK) (AS PER IS: 11569)</div> <div>a) Rigid cervical collar- extrication type</div> <div>b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion.</div> <div>c) Padded chain rest for application by sweep technique.</div> <div>d) Colour coded and measure holes for easy identification and measurementof correct size.</div> <div>e) Velcro for easy fixation.</div> <div>f) MRI/CT Scan compatible; radio lucent</div> <div>g) Tracheal access opening for advanced airway procedure;</div> <div>h) Rear panel opening for cervical spine palpation</div> <div>g) Latex free and durable</div>	No.	

		i) The size of finished c-collar should not be less than 3 cm when measurement as per prescribed procedure.		
	COLLAR STIFF NECK PAEDIATRIC	(AS PER IS: 11569) a) Rigid cervical collar- extrication type b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion. c) Padded chain rest for application by sweep technique. d) Colour coded and measure holes for easy identification and measured of correct size. e) Velcro for easy fixation. f) MRI/CT Scan compatible; radiolucent g) Tracheal access opening for advanced airway procedure; h) Rear panel opening for cervical spine palpation i) Latex free and durable.	No.	
	COLLAR STIFF NECK TALL	(AS PER IS: 11569) a) Rigid cervical collar- extrication type b) Material: soft plastic rigid enough to avoid 70% of neck movement and lined inside with soft cushion. c) Padded chain rest for application by sweep technique. d) Colour coded and measure holes for easy identification and measured of correct size. e) Velcro for easy fixation. f) MRI/CT Scan compatible; radiolucent g) Tracheal access opening for advanced airway procedure; h) Rear panel opening for cervical spine palpation i) Latex free and durable.	No.	

		j) This size finished c-collar should not be less than 10 cm when measurement as per prescribed procedure.		
	POCKET MASKS (CPR)	a) Face mask with one way valve and filter b) Used as physical barrier for mouth to mouthventilation c) Ventilation tube length 1-1-.25” d) Pre inflated cuff for effective and good seal withtransparent mask e) Oxygen delivery inlet f) Hard case for carrying mask and one microbial wipe.	No.	
	DRESSING ABDOMINAL 7 ½ “	a) Size 7 ½” x 7 ½ ” b) Strength : 12 ply with good absorbent quality gauze and cotton c) Layer in between d) Package: pre sterilized ready to use individual packs	No.	
	GAUZE DRESSING VASELINE	a)Non adherent dressing U.S.P. impregnated with b)U.S.P. white Petrolatum c)Size: 10 x 10 cm d)Package: sterilized 10 pieces/pack	No.	
	GLASSES EYE PROTECTION	UVEX- scratch resistant lens of unbreakable Polycarbonatewith Maximum UV protection and frosted brow guard to block Overhead glare Side shields, which are adjustable. Adjustable temple length in four positions Overall shape should be so as to prevent any splash of Bodily fluid entering the eye.	No.	
	DRESSING MULTI TRAUMA 12”X3”	i) Size 12" x 3" ii) Layers: of 16 ply of good absorbent quality gauze withcotton In between.	No.	

		iii) Thickness: at least of 5 cm.		
		iv) Package: Presterilized packs of 3 pieces/pack; ready to use.		
	OBSTETRICAL KIT DISPOSABLE	Sterilized disposable kit with the following.	No.	
		i) Plastic apron - 1 nos		
		ii) Cap dispo sable - 1 nos		
		iii) Face mask - 1 nos		
		iv) latex gloves - 1 pair		
		v) Shoe cover - 1 pair		
		vi) Plastic drapes - 2 nos		
		vii) Stérileombilicalcordé clamps - 1 nos		
		viii) Baby towel - 1 nos		
		ix) Blade SS - 1 nos		
		x) Maturity pads - 2 pads		
		xi) Stérilise gauge pad 10x 10cm; 12 ply- 4 nos(towelettes)		
		xii) Dispo sable stérilisesuçotions bulb (infant) - 1 nos		
		xiii) Sterilize under pad - 1 nos		
		xiv) Plastic bag to hold placenta and waste - 2 nos		
		xv) Twist ties for use with plastic bag - 2 nos		
	PENLIGHT	a) Medi – torch to check pupil	No.	
		b) Length: 10- 15 cm; light weight		
		c) Focus: sharp		
		d) Material: durable plastic mould		
		e) Operated with 2 batteries of 1.5 V; durable		
		f) Provided with belt hook (press click mechanism)		
	REGULAR OXYGEN LSP WITH LIGHT WEIGHT OXYGEN CYLINDERS	Oxygen cylinder	No.	
		a) The medical Oxygen cylinder should be made of high quality		

*Strength of aluminium alloy with heat sensitive coating.
* Capacity: 425 litres
b) It should be duly approved by the Chief controller of c) Explosive (CCE) at Nagpur.
d) The system should be rust proof.
e) The refilling procedure should be risk free & simplex, with the help Of portable refilling station complete with pressure gauge to show filling pressure.
f) All fittings should be leak proof.
g) in built pressure gauge system to be provided with the cylinder.
h) The medical Oxygen cylinder & all other fittings should be hygienic & free from contamination.
i) Finishing should be standard seamless aluminium with clear coat of heat sensitive powder paint.
Regulator
j) Accessories: high pressure regulator, flow meter, connecting tube of 3 meter length, nasal cannula and non rebreather mask-adult and infant sizes, carry pack with back harness;
k) Compatible with light weight oxygen cylinder
l) Flow regulation of 0- 20 L/minute
m) Outlet compatible with nasal cannula/non rebreather mask
n) Control valve should be designed to provide calibrated flow of oxygen at a pressure of 16 PSIG to 70 PSIG depending on the application.
o) The regulator must be made of anodized aluminium composite material.

		<p>p) The pressure indicator on the valve must be protected by rubber- o – ring.</p> <p>q) The weight of the regulator inclusive flow meter system should not exceed 310 gms.</p> <p>r) The length of the regulator should not exceed 10 cm & diameter not to be more than 4 cm.</p> <p>s) Hypoallergenic surgical micro pore adhesive tape</p>		
	RESTRAINT PATIENT-1 PC 8” STRAP	<p>a) Material: heavy duty seat belt webbing</p> <p>b) Length: 300 cm</p> <p>c) Width: 5 cm</p> <p>d) Locking mechanism: plastic/steel snap lock/buckles(male and female ends)</p> <p>e) Package : in sets of 4</p>	No.	
	RESTRAINT PATIENT-2 PC STRAPS	<p>a) Material: heavy duty seat belt webbing</p> <p>b) Length: 450 cm</p> <p>c) Width: 5 cm</p> <p>d) Locking mechanism: dual side release buckles plastic/steel snap</p> <p>e) Lock/buckles(male and female ends)</p> <p>f) Package: in sets of 4</p>	No.	
	SCISSORS PARAMEDICAL	<p>a) Length 6” to 9”, width 3 mm</p> <p>b) Stainless steel body</p> <p>c) Plastic unsheathed finger slots.</p>	No.	
	STETHOSCOPE	<p>a) High quality tubing of standard length</p> <p>b) Earpieces: soft pliable with one pair spare</p> <p>c) Diaphragm: with good acoustic resonance</p> <p>d) Single unit as ear pieces adjunct with conduction tube</p>	No.	
	SPONGE STERILE 4”X4”	<p>a) Dimensions: 10 x 10 cm</p> <p>b) Material: 12 ply, good absorbent quality</p> <p>c) Package: packet of 4 swabs sterilized and ready to use packs</p>	No.	

		d) Thickness : 1 to 1.5” e) Operating temperature of 0°C to 50°C and water resistance as per IEC 60529/en 60529 IP 44		
	TAPE DERMICAL CLOTH 1”	a) Dimensions: 2.5 cm x 9 mètre b) Hypoallergenic surgical micro inicro pore adhesivetape	No.	
	TAPE DERMICAL CLOTH 2”	a) Dimensions: 2.5 cm x 9 meter b) Hypoallergenic surgical micro pore adhesive tape	No.	
	SPINE BOARD FULL AND HALF WITH VELCRO	Spine board- full (long back board):) Dimensions: length: 1830 mm b) Width 420 mm c) Weight: 5 Kg d) Capacity: 200 kg e) CT/MRI compatible and radio lucent f) Material: carbon fibre of fibre glass material g) Separate hand holds and restraint holds with smooth edges for easy and comfortable lifting Spine board(Half)- Rescue Board a) Dimensions: length: 910 mm c) Thickness: 06 mm d) Weight: 3 kg e) CT/MRI compatible and radio lucent f) Material: carbon fibre or fibre glass material Separate hand holds and restraint holds with smooth edges for easy and comfortable lifting; minimum 4 on either side	No.	
	KIT CARRYING BAG NYLON	a) Material: synthetic heavy corduroy water proof b) Dimensions: 20” x 15” x 15”	No.	

		c) Side pouches with individual plastic zippers; additional compartment on top d) Inside upper cover divided with multiple straps for holding instruments, bottles, medicine kits upright f) Lower compartment divided into three' one of 14 " and other 6 " subdivided into two; g) Two side carry handles as well adjustable shoulder straps; Base of bag having rubber castors/rests to avoid direct contact with ground		
	FULL KIT BAG HARD	a) Material: thermosetting, plastic; non breakable box b) Dimensions: 24" x 12" x 18" c) Locking mechanism: Press lock and quick release clamps d) Centrally located handle with side holds also box to open from e) Central top as well one of the sides f) Sliding compartments inside with at least 2 trays one 4" from top g) And second 5" from first.	No.	
	BAND AID 1"X3" PACKETS	a) Dimensions: 2 cm x 7 cm rectangular with central medicated pad b) Containing Benzalkonium chloride BP 0.5 % W.W c) Wash proof and hypoallergenic adhesive bandage d) Sterilized single packs	No.	
	ROLLER BANDAGE 6" (PKT OF 6)	1. Dimensions: 15 cm x 5 meter length 2. Gauze bandage of superior quality, cross net weaving fabricated 3. From cotton fibers 4. Sterilized single packs	No.	

	ROLLER BANDAGE KLING 3” (PKT OF 12)	a) Dimensions :7 cm x 5 meter length	No.	
		b) Gauze bandage of superior quality, cross net weaving fabricated from cotton fibres.		
		c)Sterilized packs		
	BANDAGE TRIANGULAR 40”X40”	Dimensions: 90 x 90 x 120 cm size bandage	No.	
		5. Material: good quality calico material		
	CUP PAPER HOT/COLD 8 OZ (PACKET OF 100)	1. Material: Disposable paper cups of Styrofoam with smooth rounded upper edge	No.	
		2. Capacity 200 ml		
		3. Versatile for both hot and cold liquids.		
	DEPRESSOR-TONGUE	1. Soft wood of 0.5” wide and 6” length	No.	
		2. Adult size;		
		3. Sterilized and packed to maintain sterilization		
	GLOVES STERILE LATEX MEDIUM	Size: Medium	No.	
		7. Material: natural rubber Latex, single use disposable’		
		8. powder free Sterilized sealed packs		
		9. Should meet emergency medical glove		
		10. requirements of NFPA1999 standard on protective clothing for emergency medical operations, 1997 edition		
	GLOVES STERILE LATEX LARGE	1. Size: Large	No.	
		2. Material: natural rubber latex, single use disposable ; powder free; Sterilized sealed packs Should meet emergency medical glove requirements of NFPA1999 standard on protective clothing for emergency medical operations, 1997 edition.		
	GLOVES STERILE LATEX XL	Size : Extra Large	No.	

		Material natural rubber latex, single use disposable; powder free; Sterilized sealed packs Should meet emergency medical glove requirement of NFPA1999 standard on protective clothing for emergency medical Operations, 1997 edition.		
	MASK OXYGEN ADULT NON-REBREATHER (UNIVERSAL SIZE)	Size : Extra Large Material: transparent body of mask, soft plastic material with pre-Inflated cuff providing airtight cushion seal Package: single use, sterile packs Oxygen connecting tube: 3 meter length Mash straps attached for securing to patient and metal clip over Nose mask; masks should also have exhale port on either Side; one exhale port to have one way valve to prevent flow of Oxygen to atmosphere.	No.	
	MASK OXYGEN CHILD NON-REBREATHER (UNIVERSAL SIZE)	Size: Paediatric Material: transparent body of mask, soft plastic material with pre-Inflated cuff providing airtight cushion seal Package: single use, sterile packs Oxygen connecting tube: 3 meter length Mask straps attached for securing to patient and metal clip over Nose mask; nose masks should also have exhale port on either Side; one exhale port to have one way valve to prevent flow of Oxygen to atmosphere	No.	
	MASK UNIVERSAL SIZE	Size: Adult universal size Material: Disposable, single use 11. layer filter face mask with nose clip; N95/HEPA Respirator type	No.	

		Should have 2 straps one to secure above ear level and other lower level.		
		12. Package: in packets of 50/100; sterile		
	OXYGEN CANNULA NASAL	1. Oxygen delivery device compatible with oxygen regulator(light weight	No.	
		2. Material: soft transparent good quality plastic of 2-3 mm diameter		
		3. Tube length: 3 meters		
		4. Nasal prongs in closed loop which is adjustable and of ultra-soft, Non-irritant pliable plastic and about 5-10 mm in length;		
		5. Head straps(elastic and adjustable) for securing		
		6. Package: disposable sterilized individual packs		
		7. Should provide safe comfortable low flow oxygen in		
		8. concentration of 24-44% with 1 to 6 litter flow per minute.		
	TRIAGE RIBBON GREEN TAPE 50 M ROLL	Material: satin and colour fast	No.	
		Width: 2.5 cm		
		Length: 50 meters		
	TRIAGE RIBBON RED TAPE 50 M ROLL	1. Material: satin and colour fast	No.	
		2. Width: 2.5 cm		
		3. Length: 50 meters		
	TRIAGE RIBBON BLACK 50 M ROLL	1. Material: satin and colour fast	No.	
		2. Width: 2.5 cm		
		3. Length : 50 meters		
	TRIAGE RIBBON YELLOW TAPE 50 M ROLL	1. Material: satin and colour fast	No.	
		2. Width: 2:5 cm		
		3. Length 50 meter.		
	BANDAGE ELASTIC 3” ACE	1. Material: elastocrepe bandages of good quality; fabricated form	No.	
		2. Synthetic fibres and of good elasticity;		

		3. Dimensions: 15 cm x 2.7 meters		
	BANDAGE ELASTIC 6” ACE	1. Material: elastocrepe bandages of good quality; fabricated from Synthetic fibres and of good elasticity;	No.	
		2. Dimensions: 15 cm x 2.7 meters		
	PADDED BOARD SPLINT (WOODEN)-SHORT	1. Material: Rigid splint of light weight material/wood; durable and Radio lucent	No.	
		2. Thickness: 1 cm		
		3. Length: 35 cm		
		4. Width: 7 cm		
		5. Padded by equal thickness foam of superior quality and enclosed		
		6. By water proof, hypoallergenic, ultra-thin synthetic layer		
	PADDED BOARD SPLINT (WOODEN)-MEDIUM	Material: Rigid splint of light weight material/wood; durable and Radio lucent	No.	
		Thickness: 1 cm		
		Length: 90 cm		
		13. Width : 7 cm		
		14. Padded by equal thickness foam of superior quality and enclosed		
		15. By water proof, hypoallergenic, ultra-thin synthetic layer		
	PADDED BOARD SPLINT (WOODEN)-LARGE	1.Material: Rigid splint of light weight material/wood; durable and	No.	
		2. Radio lucent		
		3. Thickness: 1 cm		
		4. Length: 135 cm		
	MANNEQUIN FACE SHIELD PACKETS (100 PCS)	1.Rectangular Barrier device used by rescuer when giving mouth-mouth/mouth –nose ventilation in patients.	No.	

		<p>2.Size 7"x12" outer synthetic layer and 5"x7" central rectangular sieve like filter of non-absorbent white plastic;</p> <p>3.The outer layer has a central hole of 1.5" diameter in the area of contact with patient mouth/nose and rescuer mouth with intervening filter layer</p> <p>4.Package: Single use disposable in sterile packing.</p>		
	AIR WAY ORAL SET 60/80/100 MM	<p>1. Size: set of 60 mm/70 mm/ 80 mm/90 mm/100 mm</p> <p>2. Material: good quality plastic; disposable airways</p> <p>3. Colour coded for different sizes;</p> <p>4. In sets of above sizes in sterilized packs</p>	No.	
	BAG VALVE MASK- ADULT (DISPOSABLE)	<p>1.Size : Adult; disposable rubber vinyl bag of 1600 ml capacity</p> <p>2.Components: self-inflating compressible rubber/ vinyl bag of 1600 ml capacity, one way inflation valve, face mask, oxygen reservoir,</p> <p>3. Oxygen port and connecting tube</p> <p>4. Material: high quality plastic/vinyl transparent and for single use;</p> <p>5. Transparent soft pre inflated plastic face mask</p> <p>6. Good quality connecting tube of 3 meter length</p> <p>7. Standardized 15/22 mm fittings</p> <p>8. Adjustable hook and loop handle</p> <p>9. Collapsible body and reservoir</p> <p>10. PEEP valves/elbows included; non jam valve with maximum</p> <p>11. Oxygen flow of 15 L/minute</p> <p>12. Single use sterilized and disposable pack</p>	No.	

	BAG VALVE MASK- CHILD (DISPOSABLE)	1. Size: Child; disposable rubber vinyl bag of 500 ml capacity	No.	
		2. Components: self-inflating compressible rubber/vinyl bag of 500ml capacity, one way inflating valve, face mask, oxygen reservoir, oxygen port and connecting tube.		
		3. Material: high quality plastic/vinyl transparent and for single use;		
		4. Transparent soft pre inflated plastic face mask		
		5. Good quality connection tube of 3 meter length		
		6. Standardized 15/22 mm fittings		
		7. Adjustable hook and lop handle		
		8. Collapsible body and reservoir		
		9. PEEP valves/elbows included; non jam valve with maximum Oxygen flow of 8-10 L/minute or more		
		10. Single use sterilized and disposable pack		
	FLEXIBLE SPLINTS LARGE/MEDIUM/SMALL	1. Material light weight , radio lucent, mouldable	No.	
		2. Water Proof and body fluid poof.		
		3. Portable light weight padded flexible splints of three sizes and reusable,		
		4. Standard and junior sets with all three sizes		
		5. Velcro strapped for easy application and removal		
	PNEUMATIC SPLINTS SET	1. Material radio lucent, light quality plastic.	No.	
		2. With inflation valve and closing clamp, fixing by radio lucent zipper.		
		3. Set of six sizes hand and wrist half arms, full arms, foot and		
		4. Ankle, half leg and full leg, reusable sots with carry bag.		
	EMERGENCY RESCUE STRETCHER	The Stretcher should have following features:-	No.	

		a)Foldable and compact with built-in flotation.		
		b)Colour coded patient restrain straps with double locking Quick release safety bucklesand built in head restraints system.		
		c)Corrosion resistant stainless steel frame with cover andcase.		
		d)Vertical hoisting sling.		
		e)Individual replacement components.		
		f)Weight should not be more than 20 Kgs.		
	EMERGENCY ACCIDENT KIT	Specifications	No.	
		1. Thermometer 96F-107 F		
		2. Bandage Scissors		
		3. Splinter Forceps		
		4. Insect Repellent		
		5. 20cc. Irrigation Syringe		
		6. Wound Closure Strips (10)		
		7. Povidone Iodine (1oz)		
		8. Tincture of Benzoic (2)		
		9. Double Antibiotic Ointment (4)		
		10. Antiseptic Towel letters (6)		
		11. Moleskin'		
		12. Nitrite Examination Gloves (2)		
		13. Antimicrobial Hand Wipes		
		14. Infectious Control Bag		
		15. Dressing (8)		
		16. Non-adherent sterile dressing (2)		
		17. 5"x9" Trauma Pad		
		18. Conforming Gauze Bandage		
		19. Adhesive Tape, 10 yards		
		20. Strips and knuckle bandages (15)		
		21. Cotton Tipped Applicators (4)		
		22. Oral Dehydration Salts		
		23. Extra strength Tyleno ® (8)		

24. Motrin ® (8)
25. Antihistamine (4)
26. Advil Cold ® (4)
27. Diamode (Imodium ®) (6)
28. Aloe vera gel
29. 5-0 nylon suture w/cutting Needle
30. 1cc syringe with needle
31. 3cc syringe
32. 25 gauge x 5/8” needle
33. 18 Gauge x 1.5” Needle
34. 21 Gauge x 1.5 “Needle
35. Angiocatheter 18 g
36. Safety Pin (3)
37. Accident Report & Pencil
Emergency Accident Kit Specification.
Prefilled Syringes :
Atropine 10 ml 0.1 mg/ml protected needle (2)
Dextrose 50% , 50 ml 500 mg/ml protected needle (1)
Diazepam 2ml 5mg/ml carpjects ® (2)
Epinephrine 10 ml 1:10, 000 20ga protected needle (3)
Lidocaine 2% 5 ml 20 mg/ml 20 ga protected needle (2)
Sodium Bicarbonate 8.4 %
50 ml 50 m Eq 18 ga protected needle (1)
AMPULES :
Diphenhydramine 1 ml 50 mg/ml (2)
Epinephrine 1 ml 1:1,000 (1mg/ml) (3)
Lanoxin 2ml , 25 mg/ml (1)
Naloxone 1 ml 0.4 mg/ml (2)
Phenergan 1 ml 25 mg/ml (2)
VIALS:

FUROSEMIDE 2 ML 10 MG/ML (2)
PROCAINAMIDE 10 ML 100 MG/ML Vial (1)
Solu Cartef 250 mg 125 mg/ml act o-vial (1)
CAPSULES & TABLETS
Aspirin Tablets (4)
Clonidine Tablets 0.1 mg (2)
Diphenhydramine 25 mg Tablets (4)
Nitroglycerin Tabs 25 tabs 0.4 mg 1/150 gr (1)
MISCELLANEOUS
Activated charcoal 25 gr (1)
Albuterol Inhaler 17 gr (1)
Ammonia Inhalant spiral 0.3 ml (2)
SAFETY SYRINGES & NEEDLES :
10 cc w/2 1 ga x 1 ½” (1)
10 cc w/22 ga x 1 ½” (1)
2 cc w/20ga x 1 ½” (1)
3 cc w/21ga x 1 ½” (1)
3 cc w/22 ga x 1” (1)
3 cc w/25 ga x 5/8” (1)
I.V. EQUIPMENTS:
0.9% Sodium chloride, 500 ml (1)
I.V. Administration Tubing (1)
I.V.Catheter 20ga x 1” (2)
SURGICAL INSTRUMENTS :
Alcohol Sponges (2)
Gauze 3x3 (2)
Gloves, Nitride (1 pair)
Haemostat (2)
Needle Holder (1)
Scalpel (1)
Scissures (1)
Sutures

Proline (1)
Vicryl (1)
Tape (1)
Thumb Forceps (1)
Tourniquet (1)
AIRWAYS EQUIPMENTS:
End tracheal Tubes w/style
3mm (1)
5mm (1)
7mm (1)
Laryngoscopes
Large (1)
Small (1)
Interchangeable light source (1)
Air ways
Small (1)
Medium(1)
Large (1)
Micro shield Mask (1)
(included in model 700 only)
MONITORING EQUIPMENTS:
Sphygmo (1)
Stethoscope (1)
ORGANIZATIONAL MATERIALS
American Heart Assn. Algorithms (1)
Quarterly Inspection Record (1)
Plastic Seals (4)
Reorder Form (1)
Treatment Tag (1)
DIMENSIONS OF THE STAT KIT 700:
1/8" X 17 1/4" X 19 7/8"
Weight: 16 pounds
STATS KIT 900 ADDITIONAL CONTENTS

		Resuscitation Equipments Resuscitator w/Adult Mask (1) RES-Q-VAC Suction Unit (1) OXYGEN EQUIPMENT Aluminium “C” cylinder w/toggle handle (1) Oxygen Mask, w/strap & non-re breathing bag b (1) Oxygen Tubing (1) OPTIONAL ACLS DRUGS: Amiodarone 3ml 50 mg/ml ampule (2) Vasopressin 10ml 20 units vial (2) Portable carrying case		
	TORCHLIGHT STYLED HANDLE	TRACHEAL intubations device styled/ handle. For ore and nasal intubations. Reusable light source incorporated Length & Width: Standard size compatible with adult, child and infant trachea light wands.	No	
	TORCH LIGHT WAND DISPOSABLE 10 PER PACK- INFANT, CHILD & ADULT	SIZE : Adult, Child & Infant Disposable yet reusable tracheal intubations wands compatible with trachea light styled.	No	
	INFANTRY PACK (CPR MANNEQUIN)	Infant mannequin set for CPR training with provision ofManoeuvring airway opening skills, air ventilation and chestcompression. It should be made up of good quality ofrubber and plastic. It composed of three parts 18. MAIN BODY:- 1. It is made up of rubber and is without head with provision to attach head in the neck. 2. It should clearly landmark with hands and feet having grooves over upper torso to fix chest part. 3. Length from neck to toe- 48 to 55 cms 4. Length of the neck - 08 to 12 cms. HEAD	No	

1. It should be made of good quality of plastic fixed with neck.
2. With a facility for extension of Head 1-1.5 cm for inserting lung bag, through mouth.
3. Mandible or lower Jaw should be movable;
4. Eye ear nose should be well land marked.
CHEST
1. It should be made up of good quality of rubber.
2. It should be compressed by 1-1.5 cm
3. It should contain impression of navel and nipple.
4. The chest should be such that it can be adjusted over the grooves of the main body.
LUNGS BAGS
1. Pendulum in shape, made up of polythene.
2. Length: 29-32 Cm
MOUTH:
Rectangle in shape with two flaps that can be fixed over the mouthto prevent air entry from out side.
19. Length: 11-12 cms
Width: 4-7 cms
The mouth will lead in to wind pipe
WINDPIPE:
Spherical in shape when inflated.
Length: 15-17 cm
Circumference: 6 to 7 cm
LUNG
Spherical in shape when inflated.
Radius: 3-3.5 cms
LUNG INSERTER
Made up of plastic for inserting lung bag in place.

		Length: 30-35 cms		
		Width: 2-2.5 cm.		
129	SQUADRON PLUS (CPR MANNEQUIN) 5 PIECES PACK WITH LUNGS BAG	Adult Manikin set for CPR training with provision of manoeuvring airway opening skills, air ventilation and chest compression. It should be made up of good quality of rubber and plastic. It should be composed of 05 parts:		
		20. Length of the mannequin: 50 –70 Cms		
		21. Width of the Chest: 30-40 Cms		
		22. The mannequin should be in 5 parts:-		
		1. HEAD		
		23. Head should be made up of a good plastic quality.		
		Size: Length: 19 –25 cms		
		Width: 12-15 Cms		
		It should be screwed with the neck with a facility for extension.		
		Mouth should be opened by 2.5 cm to 4 cm for inserting lung bag		
		If possible mandible or lower jaw should be movable.		
		Nose should be made up of such material that can be pinched.		
		Eye ear should be well impressed.		
		2. MAIN BODY (BACK)		
		It is the posterior portion of the body to which head and chest portion is fixed.		
		1. should be made up of good quality of plastic with a circular hole in the centre of the torso to place the piston.		
		2. At the end of the neck there should be a provision to screw the head.		

3. There should a provision to attach chest part over the upper portion of back.
4. Length of the back + 48-68 cms
5. Width: 28-40 cms
6. Length of the neck: 16cms – 18 cms.
CHEST
1. Should be made up of good quality of rubber
2. Can be compressed by 4-7 cms
3. Clavicle, xyphoid process, sternum, navel and ribs should bewith proper landmarks.
4. Left right chest should be well impressed.
5. There should be cleft in the center of the chest so that airway system (lung) can be inserted. Length of the chest 30-45cms,Width 28-38 cms.
PISTON
1. Should be made up of good quality of sponge.
2. Should properly fit over the hole of the back
3. Dia of the piston 12 to 15 cms (Subject to fit over the hole on the back)
4. Height of the piston: 7-10 cms.
LUNG BAG:
1. Should be made up of good quality of polyethylene.
2. It will be in three parts
MOUNTH
Rectangle in shape in shape with two flaps that be fixed over the mouth to prevent air entry from out sides.
Size : Length ; 12 –13 cms
Width : 4-7 cms
The mouth leads into windpipe. Windpipe : should be spherical in shape when inflated.
Circumference; 10-12 cms

No

		<p>LUNG : Spherical in shape when inflated.</p> <p>Radius; 6-7 cms</p> <p>INSERTER:</p> <p>1. A flat plastic strip for inserting lung bag through of the mannequin into cleft of the chest.</p> <p>2. Length: 48-52 cms</p> <p>3.Width: 3-4 cms</p>		
130	DELUXE OB MANNEQUIN	<p>It is used to import training of normal delivery and childbirth complications. It should have a model of female abdomen with abdomen layer as a non transparent flap, which should have an arrangement to attach with the remaining portion of the model by press button.</p> <p>Consists of 07 parts:-</p> <p>MAIN BODY</p> <p>1. Should be made up of rubber showing the landmark of lumber, sacrum, spine, pubic symphysis , pelvic girdle, with oval shaped perineum opening with a dia of 13-15 cms.</p> <p>2. Both the thigh should be upward raised and apart.</p> <p>3. The main body should be covered from abdomen to perineum.</p> <p>4. Length of the main body – 35 to 40 cms</p> <p>5. Depth of the main body showing abdomen 10 to 12 cms.</p> <p>ABDOMEN LAYER</p> <p>1. It should be meant to cover the hollow abdominal space of the main body.</p> <p>It should be made up of non-transparent rubber flap, which should have an arrangement to attach with the main body with press buttons.</p>		

2. It must have the provision for the cavity so that uterus and foetus can be placed in abdominal layer to simulate the pregnancy.
UTERUS
1. It should be a hollow plastic bag containing a fetus shaped baby made up of rubber.
2. It should be a shape that it could be placed inside the abdominal layer to look like a pregnant lady.
3. There should be preservative inside the uterus.
INFANT
1. It will be used to show simulated delivery.
2. It should be hollow.
3. Made up of rubber with a facility for filling air with an air valve attach with foot.
4. A provision to attach umbilical cord over navel point.
5. A separate manual air-filling pump should be provide to fill air in the infant
6. Length of the infant- 50 to 60 cms.
UMBILICAL CORD
1. It should be made up of flexible plastic tube.
2. Length of the tube: 65 to 75 cms
3. Dia of the tube: 2 to 2.5 cms
4. It should contain a facility to attach with the navel of the infant at one end and to attach with placenta at the other end.
PLACENTA
A disc shaped placenta should be made up of good quality of rubber
Having its colour and impression with a provision to attach the umbilical cord with it.
PERINEUM FLAP

No

		<div>1. It should be made up of rubber for covering perineum opening with a facility to attach and detach with perineum.</div> <div>2. Perineum should have an cut (Vaginal Opening) so that could show the impression of vaginal opening.</div>		
	AMBULANCE ITEMS			
131	STETHOSCOPE	<div>Classic II Adult type</div> <div>Cardio tone : with silent feature of triple auscultators</div> <div>components</div> <div>Standard tube length and versatile in extreme of temp.</div> <div>Spare pair, of ear plugs, diaphragm with mention of warranty period.</div>	No	
132	B.P APPARATUS DIGITAL	<div>Large screen crystal display Automatic with built in pump</div> <div>Pressure Detection Mechanical Capacitance Pressure Sensor.</div> <div>Measurement range – 30-280 mm</div> <div>Additional Function Pulse meter – 20-255 beats /minutes</div> <div>120 ts of memory,</div> <div>weight – 400 gm</div> <div>Dimensions- 163 mm(W) x 138 mm (D) x 62 mm(H)</div> <div>Arm cuff with air tube 70 cm</div>	No	
133	B.P APPARATUS MERCURY	<div>(Adult)Standard Calibration of 09-30 mm Hg and fitted with locking device to prevent Mercury leak.</div> <div>ISI Marked. Cuff of synthetic material 5”-6” Tube length 20-22”</div>		

		Cuff to be fixed by metal clip and right and left side to be indicated.		
134	OXYGEN CYLINDER	IS -7285: part 1:2004:“Refillable seamless steel gas cylinder Specification: - Part 1: Normalized steel cylinder.		
135	THERMOMETER DIGITAL	Battery Operated ISI Marked digital thermometer with reading in both centigrade and Fahrenheit		
		DED display with day night visibility Beep Alerts, Memory for limited number of readings.		
136	OTOSCOPE & NASAL SPECULUM	Fibre Optic dual purpose equipment for both ear and nose examinations with separate speculums for each.		
		Battery operated 1.2 V, 2 celled.		
		Adult and Junior speculum sizes and compact carry case		
137	AUTOCLAVE	CHV-17ES		
		Horizontal High Pressure cylindrical steam sterilizer, triple walled with steam jacket & separate boiler, all constructions made of 304 grade stainless steel size 400 x 600 mm		
		CHV-118 ES		
		400 X 900 MM		
		CHV-19ES		
		500X 900		
		CHV-20ES		
		500 X 1100 MM		
		CHV-21ES		
		750 X 1100 MM		
138	SUCTION UNIT WITH ACCESSORIES (MANUAL)	a) Model : Hand Operated , manual unit		
		b) Performance : Maximum suction pressure of 328 mm hg		
		c) Peak flow : 70L/minute		

		d) Light weight and compact		
		e) No clog suction tip & intake valve		
		f) Rescue handle with replicable cartridges		
		g) Double male connector & short suction cat here for easy fixation and effective suctioning.		
139	BAG VALVE MASK ADULT (SILICON, STEAM AUTO CLAVABLE)	Material texturized silicon, and autoclavable.		
		Size Adult, compressible, reusable silicon bag of 1600 ml capacity.		
		Component- Self-inflating silicon bag of 1600 ml capacity		
		One way inflating valve, facemask, Oxygen reservoir, Oxygen port connecting tube.		
		Transparent soft pre inflated plastic facemask. Good quality connecting tube of 3 m lengths.		
		Standardized 15/22 mm fitting. Adjustable book and loop handle. Collapsible body and reservoir.		
		PEEP Valve/elbows included non-jam valve with max Oxygen flow of 15 L /min. Carry case to be provided.		
140	BAG VALVE MASK CHILD (SILICON)	Material texturized silicon, and autoclavable.		
		Size CHILD, compressible, reusable silicon bag of 500 mlcapacity.		
		Component- Self-inflating silicon bag of 500 ml capacity		
		One way inflating valve, facemask, Oxygen reservoir,Oxygen port connecting tube.		
		Transparent soft pre inflated plastic facemask. Good qualityconnecting tube of 3 m lengths.		
		Standardized 15/22 mm fitting. Adjustable book and loophandle. Collapsible body and reservoir.		
		PEEP Valve/elbows included non-jam valve with max Oxygen flow of 10 L /min. Carry case to be provided.		

141	BAG VALVE MASK INFANT (SILICON)	Material texturized silicon, and autoclavable.		
		Size INFANT, compressible, reusable silicon bag of 1600 ml capacity. Component- Self-inflating silicon bag. One way inflating valve, facemask. Oxygen reservoir, Oxygen port connecting tube. Transparent soft pre inflated plastic facemask.		
		Good quality connecting tube of 3 m lengths.		
		Standardized 15/22 mm fitting. Adjustable book and loop handle.		
		Collapsible body and reservoir.		
		PEEP Valve/elbows included non-jam valve with max Oxygen flow of 8 L /min. Carry case to be provided		
142	STERILIZING DRUM	1. Stainless steel, seamless		
		2. Size 11” x 9”		
		3. Compatible with latest pressure cooker, type autoclave of 12” x 19”.		
143	TORCH	1. Stainless steel body.		
		2. Snap; lock for hooking to belt of the user		
		3. 3 large cell capacity, Durable, waterproof and durable On/Off switch.		
144	GLUCOMETER	1. Monitor with lancing system, coding chip, glucose strips, and controls.		
		2. Principle Glucose dye oxidoreductase mediator reaction (0.7U)		
		3. Monitor, light weight, waterproof, and screen size 5x3 cm with coding chip insert.		
		4. Reading time 05 sec, Range 10-600 mg/dl accuracy deviation error within 4%. Limit of Detection 10 mh/dl		
		5. Sample compatibility fresh capillary/arterial or EDTA venous blood.		

		6. Memory up to 400 readings		
		7. Temperature of compatibility : 10 degree to 40 degree Centigrade		
145	DELIVERY SET	1. Components, Episiotomy scissors 6”: 01 No.		
		2. Tisctic cutting forceps 6”: 01 No.		
		3. Vuslarlium forceps 10” : 01 No		
		4. Suture cutting scissors 10” : 01 No		
		5. Cold clamping forceps 12” : 02 Nos		
		6. Needle holder 8”: 01 No.		
		7. Alleys issue forceps 8”: 02 Nos.		
		8. Sims vaginal speculum: 1 No.		
		9. Sponge holding forceps 12”: 01 No.		
		10. Toothed forceps 6”: 01 No.		
		11. Non toothed forceps 6” : 01 No		
		12. Artery forceps curved 6”: 02 Nos.		
		13. BP Handle : 01 No.		
146	EMERGENCY TRAY WITH LID SS	1. Material SS: Rectangular Tray with lid for holding emergency sterile instruments and dressing size 12 “x 15 “.		
		2. Lid with central handle for easy opening and closure.		
147	TRAY WITH LID SS	1. Material Stainless steel		
		2. Rectangular tray on LID to contain medicine and instruments. Size: 8”x 10 “Lid with central handle for easy opening and closure		
148	SCISSORS SHARP	1. Material : Stainless steel		
		2. 6” scissor for cutting bandages and gauze.		
149	SCISSORS TISSUE CUTTING	1. Material : Stainless steel		
		2. 6” scissor for cutting of tissue during minor surgicalprocedures.		
150	SCISSORS SUTURE CUTTING	1. Material : Stainless Steel		
		2. Size 6” Tips sharp and tapering to cut stitches in tissue.		

151	ARTERY FORCEPS STRAIGHT	1. Material : Stainless Steel		
		2. size : 6"		
		Features with two fingers holds of equal size and 6" long arms with central locking ridges, for holding arteries, tissues with tip straight for 0.5"		
152	ARTERY FORCEPS CURVED	1. AS PER IS-8175)		
		2. Material Stainless Steel		
		30 Size "6"		
		4.Features : with two fingers holds of equal size and 6" long arms with central locking ridges for holding arteries , tissues with tip straight for 0.5"		
153	TISSUE HOLDING FORCEPS	1. AS PER IS-8175)		
		2. Material : Stainless steel		
		3. Size : 6"		
		4. Features with two fingers holds of equal size and 6" long parallel arms with central, hinge and overlapping tips with serrations for locking on to tissues.		
154	SPONGE HOLDING FORCEPS	Material : Stainless Steel		
		Size : 10"		
		Features with two fingers holds at one end and 10" long parallel arms tips of arm with flat ring like design to hold sponges for cleaning with firm grip.		
155	CHEATLES FORCEPS	Material : Stainless Steel		
		Size : 10"		
		Features with two holds central hinge both parallel arms with flattened tips for holding and transferring sterile instruments with good grip.		
156	SINUS FORCEPS	Material : Stainless Steel		
		Size 6"		

		Features 2 finger holds, central hinge with parallel arms and end of arms blunt and to dilate chemicals on opening the finger holds.		
157	BASIN STAINLESS STTEEL (LARGE)	a) Stainless Steel 22" upper outer diameter, inner 20" and base proportionate. b) Smooth edges. Deep minimum of 4".		
158	BASIN STAINLESS STTEEL (MEDIUM)	a) Stainless Steel 22" upper outer diameter, inner 20" and base proportionate. b) Smooth edges. Deep minimum of 4".		
159	KIDNEY TRAY S.S	Material : Stainless Steel Size 8" Features for easy collection of draining fluids, kidney shaped with one side indented and concave and other side convex.		
160	URINE CAN S.S	Material : Stainless Steel Flask shaped device with narrow upper end and flat-bottomed lower end for collection of urine in male bed ridden patients with non-spill shape and handholds.		
161	BOWL S.S SMALL	Small Material Stainless Steel Features: 4,1/2 diameter . 2.5 to 3" base, depth 2" well-fitting lid with central hold. Snugly fitting lid with central hold for opening and closing.		
162	B.P HANDLE	Material : Stainless Steel, Feature: 6-8 cm long, handles with serrated flat limb at one end and other end tapering and designed to hold 11" surgical blade.		
163	LARYNGOSCOPE	Stainless Steel body for battery compartment as well as detachable blades with light sources Length of battery compartment: 15 cm for holding 02 medium cells. 1.5 V two medium size cells, which are extra durable Blade Sizes Adult, Child and Infant.		

164	REFLEX HAMMER	a) 15 cm long stainless steel arm with hammer hold also in Stainless steel.		
		b) Hammer of good quality rubber. Rear portion of the instrument having brush and pin ensconces in screw pattern, detachable stainless steel part		
		c) Used for testing sensation and reflexes of patient.		
165	EXPENDABLE MEDICINES/SURGICAL/LAB ITEMS			
	CBRN ITEMS			
166	PLASTIC SHEETS (METERS)	Specifications:As per standard size and specification		
		A) Polythene bags : Polythene material ,0.1 mm Thickness, 1 sq. meter		
		B) Polythene Sheet: - Polythene material 0.1 mm thickness, 30/50 meter length.		
		C) Cordoning tape :- Cotton for nylon material, Red colour , 30/50 meter length		
167	PLASTIC BAGS 2’X3’	Plastic bags (100x 150cm) for storage transfer of disposable materials-100		
		Note: -The tenderer shall indicate the make /model in their offer.		
		The tenderer shall furnish the clause-by-clause compliance statement in case there is any deviation in same should be clearly brought out in the offer.		
		Relevant Test certificate shall be provided from a govt approved laboratory or from the manufacturer, along with their offer		
168	COORDINATING TAPE	Specifications		
		Cordoning Tape: Available in open market 10 rolls.		

		Note:-The tenderer shall indicate the make/model in their offer.		
		The tenderer shall furnish the clause by clause compliance statement in case there is any deviation in same should be clearly brought out in the offer.		
		Relevant Test certificate shall be provided from Govt. approved laboratory or from the manufacturer along with their offer.		
169	LATEX GLOVES (PAIRS)	Specifications		
		1. Material : High quality rubber		
		2. Colour : Preferably pink or ivory		
		3. Size : Small/medium/large		
170	TONGS (2 FEET)	1. Approx		
		2 feet length		
		3. Material: Stainless steel.		
		4. Perfect gripping capacity approx : 1 kg material		
171	MEDICAL TRIAGE (50 MTRS) GREEN,RED,BLUE &YELLOW	Material : Satin and color Fast		
		WIDTH: 2.5 Cm		
		LENGTH : 50 meter		
172	RADIATION TAGS			
173	BLEACHING POWDER	Specifications		
		GRADE : Commercial, Active chlorine content : 30-35%		
174	THERMO LUMINESCENT DOSIMETER (TLD)	I. Calcium sulphate phosphorus embedded in Teflon (ration 1: 3)		
		II. Each batch contains 3 dies of 250 mg each.		
		III. X, beta and gamma rays monitoring purpose.		
		IV. Along with the outer casing as prescribed by the user.		
175	IODATE TABLET	Each uncoated tablet shall have 170 mg KIO3		

		Stable Iodine 100 mg		
176	NAPS TABLET SET-NERVE AGENT (60MG/20TABLET)	Naps tablets : Pyridostigmines Tablet (30/60mg)		
177	THREE COLOUR DETECTION PAPER	Specification (JSS 6665-08: 2016)		
178	PERSONAL DECONTAMINATION KIT	(JSS 4230-05: 2013)		
179	AUTO INJECTOR SET	Auto injector reusable (AJ-1) should be used for self administration of nerve agent antidotes by exposed personnel. It contains two tubes,proximal and distal. Both tubes are made of hight strength tough plastic alloy. Distal tube houses the drug catridge, while proximal tube bears a safety ap and push button. Both tubes are screwed into each other. An o-ring has been provided inside of distal tube to avoid damage to the glass cartridges due to rough handling. It has locking and firing mechanism as well as a high tensile strength spring for pulling back the plunger. Drug cartidge is a glass cartidge with a convoluted needle and drug that is to be sealed at both ends with non reactiveself sealing rubbers septum. Loading of cartidge is through screw mechanism by which the injector can be separated andre fixed. After loading ther drug cartridge the safety cap is unlocked, the firing button is then released after placing the injector on the thigh. The main sailent features of auto injector set requirements are as under: Length153 mm Oter diameter19 mm Needle20 mm effective length Glass cartidge		

		<div>Length50 mm</div> <div>Inner Diameter11 mm</div> <div>Outer diameter14 mm</div> <div>Color</div> <div>Amber for pat chloride colorless for atropine</div> <div>Medication</div> <div>Atropine sulphate</div> <div>2.1 ml (1mg/ml)</div> <div>Pam chloride</div> <div>2.1 ml (300mg/ml)</div> <div>Injection Timer</div> <div>Not more than 5 S</div> <div>Shelf Life main Body</div> <div>5 yr. In factory condition.</div> <div>Drug Cartidge</div> <div>2 yr for atropine sulphate and 1 yr for PAN Chloride</div> <div>Colour of main Body</div> <div>Cream with red safety cap for Atropine Sulphate Injector and olive green with</div>		
180	OXYGEN CONCENTRATOR	<div>DETAILS OF OXYGEN CONCENTRATOR</div> <div>Dimension : 28" h x 16" w x 14" d</div> <div>Weight : 52 lbs</div> <div>Delivery Rate : ½. -5 litres (1/2 Litre increments)</div> <div>Oxygen % : 93 % @ 1-5 litres (1/2 Litre increments)</div> <div>Electric Requirement : 115 v, 60 Hz</div> <div>Power Consumption: 400 watts average.</div> <div>1. Pressure- Relief valve and thermal protection on the compressor.</div> <div>2. Filtration for longer bed life and better oxygen purity.</div>		

		<div>3. Increased flow rates, decreased operating temperatures and longer life with less cup seal wear.</div> <div>4. Double - insulated unit : Two prong plug</div> <div>5. Humidifier port helps prevent humidifier bottle and connection breakage.</div> <div>6. The opening is wide to make it easy to connect tubing or humidifiers</div> <div>7. High/Low pressure alarms and power failure alarm.</div> <div>8. Long cannula while maintaining an accurate flow setting (Maximum 50 feet)</div> <div>9. Audible and visual sensing device for low pressure, power fail and power on.</div>		
181	PULSE OXIMETER	<div>Pulse ox meter is used for continuous monitoring of functional oxygen saturation of arterial haemoglobin (Spo2) and pulse rate .It is intended for use with neonatal, paediatric adults patients who are well or poorly per fused, in hospital, hospital type facilities, intra-hospital transport and home environments. The Following guidelines of standard may be reeferd pulse ox meter conforming to MDD93/42/EEC OR DOC.MHD (312)/IEC 60601-2-61</div> <div>MEASUREMENT RANGE:</div> <div>SPO2, 2 1- 100 %</div> <div>Pulse Rate 20 - 300 beats per minute (bpm)</div> <div>Accuracy</div> <div>SpO2</div> <div>Adults 70 - 100 % +2 digit</div> <div>0-69 % specified</div> <div>Neonates 70 - 100 % + 3 digits</div> <div>0-369 % unspecified.</div>		

		<div>Pulse Rate</div> <div>20-250bpm + 3bpm</div> <div>Asses 68% of the population.</div> <div>Power Requirements</div> <div>100-240 VAC</div> <div>50-60 Hz</div> <div>15 VA</div> <div>Pulse Rating: 250 A/2A</div> <div>Battery Type Lead acid with 3 hrs of Battery Backup</div> <div>Operating Temperature: 10 to 450 C</div> <div>Sensor within : Physiologic range for specified accuracy</div> <div>Weight: 1.3 Kg (Max, without pole amount screws)</div> <div>Accuracy: 50-60 %, Range + 3 %, 70 -100 % Range + 2%</div> <div>Trends: Pulse Rate - 1 hr, 12 hr, 24 hr, SAO2, - 1 hr, 12 hr 24 hr</div> <div>Numeric data display: SPO2 & Pulse Rate (LED+LCD) with backlit LCD display for plesthysmograph with adjustable brightness. Auto gain control system.</div>		
182	NEBULIZER	<div>1. Aerosol with piston Electro compressor</div> <div>2. Mein; osomg speed : 1cc in 3 minutes</div> <div>3. Pressure 1:1 bar</div> <div>4. Air flow 15 liter/minute</div> <div>5. Noise Level : 60 db</div> <div>6.Granulmetric size of medication: 1-10 microns by means ofmulti PIPSER Component.</div>		

183	PORTABLE ANAESTHESIA KIT	Portable anaesthesia KIT as per IS: 7176: 1985. This item comprises oxygen therapy equipment, central gas pipe line and anaesthesia machine. It is used during surgery of the patient. The requirements of portable Anaesthesia kit as under.		
		Picture of Equipment		
		1 The machine has to be a complete portable anaesthesia machine with all accessories built on a light weight metal frame foldable built in stand .		
		2 Provision for halothane vaporizer with glass bottle.		
		3 Flow meter unit for oxygen & nitrous oxide.		
		4 Oxygen & nitrous oxide regulators with pin-index system separately for each.		
		5 Brains circuit complete with bag mount corrugated tube minimum 40 inch length.		
		6 Re-breathing bags of all sizes.		
		7 Face mask padded of all sizes (paediatric to adult)		
		8 catheter mounts.		
		9 Paediatric circuit with T-piece arrangements.		
		10 Facility for emergency oxygen with blow.		
		11 “A” type gas cylinders for oxygen & nitrous oxide.		
		12 Nitrous oxide tube 9inch (230mm) with fine adjustment control.		
		13 Max connection for “B” & “C” type gas cylinder.		
		14 Tools kits.		
		15 Carrying case for anaesthesia machine with accessories.		
184	AUTOMATIC BLOOD ANALYSER	1 Dual mode flow cell & cuvette.		

2	Built in voltage stabilizer
3	Specially designed cuvette block with peltier control for temperature regulation
4	Capable of saving 200 test with QC Graph
5	Option to enter patient ID
6	Monochromatic and Bi-chromatic reading
7	Selectable temperature :37,30 or 25 C + 0.1 C
8	Calculation of result either by factor or by standard concentration
9	Versatile software to calculate the Delta OD screen
10	Built thermal printer high resolution 320 dots per line with full graphic facility
11	Automatic sensing of cuvette insertion
12	Built in real time clock
13	Operator interface Tough panel & mouse.
14	Liner measurement range : 0.000 to 3.000 absorbance units (A)
15	Optical measurement
16	Type of filter interference
17	Wave length 340,450,510,546,578,630nm & two optional position \pm 1nm
18	Half bandwidth :10nm \pm 2nm
19	Filter selection : Automatic
20	Cuvette volume : 500 micro litre
21	Flow cell sipping volume : 500 micro litre
22	Flow cell volume : 18 micro litre
23	Sipping mode automatic by specially designed planetary gear pump
24	Cuvette volume : 500 micro litre
25	Temperature control of cuvette/flow cell block by selectable peltries elements

		<div>26 Light source: Tungsten halogen 6 V 10 W with life saving features.</div> <div>27 Display: 50 graphics LCD</div> <div>28 Analysis mode : Kinetic differential ratio absorbance, end point, fixed time</div> <div>29 Memory Compactly : 64 KB non-volatile Ram with battery backup report generation for last 1000 sample stored and obtained by date ID both by date & ID</div> <div>30 Rs 232 serial port 9600 baud,1 start, 8 data, 1stop</div> <div>31 Wattage – 50 watts or as per instruments load.</div> <div>32 Operational temperature : (from 10 c to +) 37 c</div> <div>33 Relative humidity : up to 85 %</div> <div>34 Semi micro cuvetts 25 nos with each units</div> <div>35 Paper roll :(Thermal) : 25 Nos each unit</div> <div>36 Variable volume pipette</div> <div>2 ul to 20 ul : 01 no with each unit</div> <div>5 ul to 50 ul : 01 no with each unit</div> <div>50 ul to 100 ul : no with each unit</div> <div>100 ul to 1000 ul: no with each unit</div> <div>37 Compatible UPS for system</div>		
185	PORTABLE DEFIBRILLATOR WITH RECORDER	<div>1 The AED should have automated voice prompts with CG display ,light weight, weighing less than 03 Kgs</div> <div>2 Should have bi-phasic technology and should deliver shocks with energy of 150 joules for all shocks.</div> <div>3 Should confine to latest slandered of AHA or equivalent body.</div>		

		<p>4 Should have options to connect 03-lead ECG cable.</p> <p>5 Long life disposable battery should be slandered with the unit with life of atleast300 shocks or 04 years on stand –by- mode.</p> <p>6 Should be supplied with rechargeable battery compatible to the unit with accessories to charge it in addition to the disposable battery.</p> <p>7 Should do self-test automatically. In case of any fault with the unit it should automatically indicate.</p> <p>8 Easy availability of multifunction disposable pads and other spares and disposables.</p> <p>9 Should have a data card as memory tool.</p> <p>10 Should have international testing certificate with large installation base in India.</p>		
186	PORTABLE SUCTION EQUIPMENT	<p>1 Electrically driven suction e apparatus generally conforming IS/ISO 10079-2:1999Mobile, electronic membrane suction pump for removal of mucous, blood and solid food particles from emergency patients.</p> <p>2 The pump should have a sturdy housing, which is easy to clean and having storage for the suction hose.</p> <p>3 The base should be of non-tip type.</p> <p>4 It should have a stable and ergonomic handle.</p> <p>5 It should have pre-selected suction levels with quick-selection buttons for easy operation.</p> <p>6 The pump should be chargeable via both 230V and 12V.</p> <p>7 It should have rechargeable Nickel Cadmium (2.8 Ah) batteries.</p>		

8	LED display for indication charge level of rechargeable battery.
9	It should operate for at least 02 hrs, 30 minutes at maximum suction of full charge.
10	The battery should have a service life of about 400 charge/discharge cycles in 03 years.
11	Suction capacity at 12 V should be more than 20 l/min with maximum vacuum of more than 75 kPa.
12	Weight of the entire unit should not be more than 06 Kgs.
13	It should not measure more than 400(W) x 300(H)x 150(0) in mm.
14	50 W motor output.
15	Maximum current consumption should not be more than 4 A.
16	It should be operable in temperature range of -18 to +40 °C.
17	Product class for suction pump as per 93/42/EEC: IIb.
18	The reusable canister must have capacity of more than 750 ml and should have hydrophobic bacterial filter with 1 µm filtration grade.
19	Option for connection of disposable collection canister system.
20	The aspiration tube should be of 10mm diameter and at least 1200mm length.
21	It should have a wall-mounting set (including installation set) with an integrated charger and complying with EN1789 norms.

		<p>22 The unit should conform to EN 10079-1, EN 1789, and Directive 95/54 /EC norms. Classification according to EN 60601-1 with class 11 protection against electric shock with charger: class I.</p> <p>23 Accessories should include:</p> <p>a) Accessory bag for suction pump accessories.</p> <p>b) Wall mounting with integrated charging device.</p> <p>c) Power cable</p> <p>d) 12 Volt connection cable and charger(Plug charging device)</p>		
187	ECG MACHINE WITH ANALYSER	<p>1 Multi channel ECG recording.</p> <p>2 Storage memory for storing ECGs for later printing.</p> <p>3 Automatic and manual recording modes.</p> <p>4 Dual power supply-Mains and battery operation.</p> <p>5 Built in rechargeable battery.</p> <p>6 Power supply rage –AC 230 V ± 10%</p> <p>7 Power consumption –less than 12W</p> <p>8 Battery (built-in)-rechargeable Ni MH batteries 10x1.2 volts, 1500 mah</p> <p>9 Battery capacity – Minimum 01 hrs</p> <p>10 Battery indicator- Yes</p> <p>11 Battery low indicator- Yes</p> <p>12 Operating temperature – 10 to 40 Deg. C</p> <p>13 Safety standard – Complaint to class 1 type CF, CE 0470.</p> <p>14 ECG Acquisition - 11 bits, 1000 samples/sec/channel printing and filters.</p> <p>15 ECG leads- Standard 12 leads.</p> <p>16 Recording sensitivity – Manual mode 2.5-05-10-20 mm/m V±5%.</p>		

		<div>17 Filters – Main and muscle interference modified digital notch 50-60Hz.</div> <div>18 Anti Drift filter- Digital 0.5 Hz anti Drift high pass linear phase filter enabled&cannot be switched off .</div> <div>19 Input Dynamics $\pm 300\text{m V@ } 0\text{Hz}\pm 5\text{mV}$ in the pass band.</div> <div>20 Input impedance $> 100\text{ M ohms}$.</div> <div>21 Time constant $> 3.2\text{ seconds}$.</div> <div>22 CMRR $> \text{than } 100\text{ db @ } 50\text{ Hz}$.</div> <div>23 DF Protection- Built in.</div> <div>24 Recording system- Thermal parinter.8 dots/mm 110 mm usable print width.</div> <div>25 Thermal paper compatible with system- 100 Nos.</div> <div>26 Paper transport speed- $5\text{-}25\text{-}50\text{ mm/sec}\pm 05\text{ sec}$.</div> <div>27 Patient cable – 01 Nos.</div> <div>28 Chest electrodes- 06 Nos.</div> <div>29 Limb electrodes- 04 Nos.</div> <div>30 Gel Battle- 25 Nos.</div> <div>31 User Manual- 01 Nos</div> <div>32 Battery charger- 01 Nos.</div>		
188	MANUAL SUCTION UNIT (V-VAC)	<div>This is hand operated suctioning device to suck the Oro-pharyngeal from inside body of the patient. This equipment can be operated by hand or foot or both generally as per IS/ISO: 10079-2:1999</div> <div>1 Model : Hand operated ,Manual unit</div> <div>2 Performance : Maximum suction pressure of 500 mm hg</div> <div>3 Peak flow rate : 15 to 20 L/Minute (which can be regulated)</div>		

		4 Light weight and compact.		
		5 No clog suction tip and intake valve		
		6 Reusable handle with replaceable cartridges		
		7 Double male connector and short suction catheter for easy fixation an effective suctioning.		
189	MFR BOX 48 INCHES	Material : Fabricated from thermo setting plastic Like Bakelite of yellow/orange colour b) Size :- 18” x 10” x 10” c) Shape/Arrangement: - It should have press lock arrangement for its opening. It should have handle centrally located at the top for carrying from one place to another. The inner chamber of the box should have at least 2 trays, one tray fixed at the depth of 4” from the top and the other tray at the depth of 5” from the first tray. This tray should have walls running parallel to the width. The afore said walls should be of similar material as that of tray and its depth/ height should be suitably adjusted for easy sliding. The box should open from top as well as from one of its sides.		
	OPERATIONAL UNIFORM & CT&S ITEMS			
190	T-SHIRT COLOUR WHITE	Best quality	No	
191	BALACLAVA	Best quality	No	
192	MONKEY CAP COLOUR ORANGE	Best quality	No	
193	APRON MAZRI FOR COOK/WC, BARBER	Best quality	No	
194	MOSQUITO NET	Best quality	No	
195	STAINLESS STEEL MUG	Best quality	No	
196	COMPARTMENTAL STEEL TRAY	Best quality	No	
197	TOWEL HAND	Best quality	No	

198	RAIN COAT RENAMED AS WATER PROOF MULTI PURPOSE RAIN PONCHO	Best quality	No	
199	SPOON STEEL	Best quality	No	
200	DUNGAREE GREY COLOUR OR OTHER COLOUR (FOR SUPPORTING STAFF)	Best quality	No	
201	MONKEY CAP COLOUR GREY/OTHER COLOUR	Best quality	No	
	CBRN EQUIPMENT			
1	TELETECTOR	I. Dose Rate range 0-10SV/h (0-1000 R/H) II. With a telescopicextendable probeupto 4 mtrs, Length III. GM detector Minimum 2 GM Tubes (Provision of windowfor Beta detection and protection cover/sleevefor probe as well as to cut off beta radiation). IV. Energy Dependence 65 KeV to 1.4 Me V V. Temperature range -20 to 60 C VI. Teletector Housing To be specified by the Tenderer VII. Detection capability Gama- Ray & Beta –Ray VIII. Telescope Stainless steel (Aluminium not allowed). IX. Power supply Leak proof dry cells (number & type to beindicated by the tenderer) X. Dimensions (Overall) To be specified by the tenderer XI. Change over scale not applicable XII. Scale illumination Automatic, when instrument isswitched on	No	

		XIII. Weight (max) 3.5 Kgs Max (Excluding carry case)		
2	GM SURVEY METER	1 Compact. Easy operate, different ranges and battery operated 2 RADIATION DETECTED Beta & Gama 3 RANGES 0-50,0-5,0-0.5 mR/h 4 DETECTOR GM Tube 5 Energy response 60-1500 Ke V,+/-20% 6 Temperature range -30 to +50Degree centigrade 7 Controls Different position rotary range switch 8 Response Time `90% of final reading within 10 sec. 9 Calibration precision Within 10% when calibrated with Cs- 137 10 Weight Approx 4 ponds	No.	
3	CONTAMINATION MONITOR (BETA & GAMA)	i. Battery operated, portable and light weight ii. Display : Digital iii. Radiation detected : Beta and Gamma radiation iv. Detector : Pancake type GM detector with provvision for beta discrimination v. Energy responce : 60 kEv-1.5 MeV vi. Accuracy : + 15% with Cs-137 vii. Response time : Appx. 5 seconds viii. Alarm: Audio, continuous chirp at increasingscount rates. ix. Contamination : 0-99999 cpmmeasurement range x. External dimensions: Appx.240mmx140mmx110mm(LxWxH) xi. Weight : Approx 1500 g (with batteries)	No.	

		xii. Alarm indication : Acoustic with adjustable alarm thresholds xiii. Humidity range : 0 to 95% xiv. MaX.Operating time : >50 hours xv. Temperature range : -20° C to + 50° C		
4	MINI RAD METER	i) Compact, easy to operate and battery operated device. ii) Detector : Miniature halogen quenched internally mounted energycompensated GM tube. iii) Radiation deducted : Gama rays and X-rays iv) Range : 0-5,0-50, 0-500 mR/h, 0-5 R/h with provision for selection. v) Response time : Less then 10 Sec. vi) Accuracy : + _ 15% with Cs-137 MeV. vii) Display : Analog or Digital viii) Humidity range : 0 to 95% ix) Operating condition : -20 to 50 C x) Battery life : 50 to 60 hours xi) Controls : ON/OFF and Range selection xii) Power supply : 4-5 dry cell providing 50 to 60 hours in operation. xiii) Dimensions (Lx Wx H) : 140 mmx 80 mmx40 mm (approx) xiv)Weight : 500 gm (approx).	No	
5	PORTABLE ALPHA CONTAMINATION MONITOR	1 Radiation detected Alpha Picture of Equipment 2 Detector Built in Zns with PMT 3 ScintillationWindowCircular./squire window 10-12 cm dia 4 Efficiency Better than 22% better than 25% atthe center 5 Back Ground <0.5 CPM 6 Counting Capacity 0.9999 counters 7 Display 4 digits LCD,0.5	No	

		8 High Voltage 500V,1000VDC 9 Power 7.5 vdc: 1.5 V X5,R14 Size batteries 10 Over rang and Low Battery Q LCD Dot, when battery falls below 5.5. V and count exceeds 9999 11 Timer Controlled by start/stops switches (manual mode) start with switch /stopitself after 1 min (automode)	NO	
6	NBC PERMEABLE SUIT MK-V	Best quality	No	
7	ELECTRONIC DOSIMETER	i. Detector : PN Junction SI Semiconductor ii. Radiation detected : Gamma rays and X –rays iii. Measurement range : 1 μSv to 1 Sv auto ranging iv. Accuracy : + 15% with Cs-137 Source. v. Display : 6 Digit 7 segment LCD vi Indications : Low battery and overload indication vii. Power Supply : Li-coin cell type or equivalent battery viii.Battery life : More than 1000 hrs of continuous operation ix. Control : A single push for ON/OFF x. Weight : < 100 gm xi. Dimensions(LXWXH) :Approx 30 mm x130 mmx15mm xii. Protection against EMI : Excellent immunity to EMI xiii Operating temperature : 0 to 50 C xiv. Size : Pen Type design with clip xv. Case material : Ligh weight ABS	No	
8	BETA GAMA COUNTING SYSTEM	1 INPUT GM input for beta, Gamma Probe		

Provision for PMT for alpha probe
2 Scalar Display 6 digit 7 segment display
3 Pre-Sent Count 1 to 9999 settable in steps of 1 count
4 Pulse height discrimination time From 200 mV-5V
5 Elapsed time display 4 Digit 7 segment display
6 Pre Set Time 1-9999 seconds selectable in steps OF 1
7 Paralysis Time 250,350,,550 micro sec
8 High voltage Range 300- 1500 v continuously variable rangewith front access
9 Stability 0.01% per degree C
10 Ripple Less than 50 mV peak to peak
11 Controlled Single turn potentiometer
12 Display on 7 segment LED on common demand
13 Input power single phase 230 VA/C +/- 10%,50 cycles
TECHNICAL SPECIFICATION OF LEAD SHIELD AND DETECTOR STAND (ARACK)

	<p>The shield thickness required is 50 mm and maximum of six inter locking rings should be provided. Top and bottom of the castle should also be provided with inter locking rings. A door to be fitted in the bottom ring with -150 degree opening to facilitate easy accesses to the sample holding tray of detector stand. The door should be fitted with heavy duty hinges and the inside of the lead shield should be lined with aluminium. Simple holding tray detector stand should have minimum of six racks. The sample racks should be such that sample filters paper of 25 mm dia and metal planchets can be loaded for counting.</p> <p>DIMENSION External 200 mm dia x 370 mm height (approx) Internal 120 mm dia x 300 mm height Weight 100 kg</p> <p>TECHNICAL SPECIFICATION OF G.M. TUBE.</p> <p>a) halogen quenched b) End window</p> <p>c) Type Philips ZP1430 or 72314 or Lnd or equivalent</p> <p>d) Mica window 1.5 mm thickness</p> <p>e) 446 ss Wall of 1.5 mm thickness f) Effective length : 36 mm (approx)</p> <p>g) Diameter : 30 mm h) Operating voltage: 500V</p> <p>i) Plateau slope : 5% for 100 V j) Minimum dead time : 200 micro sec</p> <p>k) Operating range : 450 -750 V l) Maximum background : 15 cpm with 5 cm lead shield and 3 mm Al.</p>	No	
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9	ALPHA COUNTING SYSTEM	Detector Zns (ag) alpha detector with drawer type arrangement suitable for 2" or 1" sample paper	No.	
		Scintillator Zns (Ag) screen type ASP-3 or equivalent		
		Density 20 mg/cm ²		
		Efficiency >25%		
		Back ground count < 20 counts / h		
		Photomultiplier 2" dia PM tube of EMI or equivalent		
		Operating voltage 700 to 1200 V DC for detector		
10	BATTERY OPERATED AIR SAMPLER WITH FILTER PAPER	i. Compact, hand held and portable air sampling unit.	No.	
		ii. Flow Rate upto 5 LPM		
		iii. Controls Push buttons/switches for selection of sampling time & flow rate.		
		iv Run time 8 hours		
		v Power supply In built rechargeable batteries.		
		vi On/Off switch The suction pump can be switched ON or OFF		
		vii Constant flow control + 5% of set flow		
		viii Filter paper Holder To hold 1 inch dia filter paper during sampling		
		ix Flow Control To control flow from 0 to 5 LPM		
		x Indicators For indication of low battery status		
		xi Timer Adjustable 1 to 10 minutes		
		xii Weight 800 Gm (+ 10%)		
		xiii Battery charger		
11	MICRO RADIATION SURVEY METER	1. Hand held portable, light weight and analog dose rate meter.		
		2. Radiation detected : Gamma and X-rays		
		3. Energy range : 40 KeV to 1.3 MeV		

		<div>4. Range : Five linear range from 0 to 200 m R/h</div> <div>5. Detector - : Internal tissue equivalent, organic scintillator</div> <div>6. Accuracy : with in 10% of reading for Cs-137 between 20% and100% of full scale of any range.</div> <div>7. Temperature : Operational from -20 to + 40 degree centigrade</div> <div>8. Battery compliment : Two 9 volt, NM 1604 or equal</div> <div>9. Weight : approx 3.0 pound</div>	No.	
12	BREATHING APPARATUS SET WITH SPARE CYLINDERS	<div>1. GENERAL: The self contained, Positive pressure and open circuit air breathing apparatus shall be certified for useby the fire fighters for use by the fire fighters for 45 minutes total working duration.</div> <div>2. TECHNICAL SPECIFICATION:</div> <div>a) Back Plate and Body Harness: This shall be made of non - metallic, antistatic, impact, chemical &fire resistant material and orthopaedic ally designed and manufactured in conformity to EN/ DIN/US/BIS 10245 PART II standards and certified for use by the fire fighters, It shall facilitate mountingof air cylinder through cam lock. The body harness shall be wearer friendly and safe for carrying loadwhile all buckles shall be quick release type.</div> <div>b) Pressure reducer: This shall be so designed so as to meet the air demand for two users simultaneously at a stable pressure on the outlet with inlet pressure varying from 300 bars to 20 barsand shall confirm to provisions in pr EN 137-2002 class II.</div>		

c) Face Mask: The shall be reverted edge seal type and made of flame resistant material confirming to EN 136. The reflex seal on the outer mask shall be so designed so as to facemask to reduce deadspace, speech transmitter for clear voice reproduction and a wide angle panoramic vision visor made of Polycarbonate material and shall be self - de- misting type. The head straps shall be easy to tighten and quick to release.
d) Demand valve: The lung operated demand valve design shall either be titling diaphragm type or piston type. This shall be provided on the facemask and connected to the pressure reducer with the help of rubber hose through quick connector. The demand valve shall be rated for minimum 500 Lpm air flow and shall activate with the first breath.
e) Pressure gauge: This shall be bourdon pressure gauge with luminescent dial with reassurance making in bar and encased in fire resistant rubber cover. The gauge shall be connected to pressure reducer through non-metallic rubber hose.
f) Hoses: The low pressure hoses shall be flexible and non-kinking type and suitably reinforced to withstand 30 bar air pressure while the high - Pressure hoses shall either be flexible or rigid metallic tube suitably secured to the back plate so as not to obstruct the movement of the wearer.

No.

g) Warning Whistle: This shall be fitted either on the back plate or provided along with the pressuregauge assembly and shall be automatic in operation giving audible alarm of minimum 90 dB intensity at 1 meter distance of low cylinder pressure in the range of 50+ 5 Bar.
h) ‘Y’ manifold for additional connections: This set shall have provision through suitably placed ‘Y’ manifold to facilitate receiving air from a different source and supplying air for additional facemask.
i) Air Cylinder: This shall be corrosion and impact resistant and made of light alloy fully wrapped.
The size of the cylinder shall be such that it can hold sufficient quantity of air [Not less than 1800 litres] for providing 45 minutes total working duration when charged at 300 bars pressure. The cylinder shall be provided with cross flow valve and EN 144+2 compliant. The cylinder shall be duly approved by the Chief Controller Explosive Nagpur and shall be capable of with standing a minimum hydraulic testing pressure of 450 bars.
j) Weight “The weight of the ready to use set shall not be more than 12.5 kgs.
3. APPROVAL: The complete set shall have relevant EN or equivalent approval and certificate to this effect shall be furnished along with the offer.
TECHNICAL EVALUATION:-
The technical evaluation of the SCBA shall be subjected to the following:-

		a) Meeting the requirement as mentioned from Sl. No. 1 to 3 above.		
		b) Designed in conformity to EN/NIN/US standards, conformity certificate and CCOE certificate to be submitted along with the offer.		
13	NBC FIRST AID KIT TYPE-A	JOINT SERVICE SPECIFICATION (JSS NO. 6545-02: 2017)	No.	
14	NBC FIRST AID KIT TYPE-B	JOINT SERVICE SPECIFICATION (JSS NO. 6545-01-2012) Rev-01	No.	
15	PORTABLE DECONTAMINATION APPARATUS	<p>Specification for portable decontamination apparatus (DAP) specification No. DRDE/0287/NBCD/98/06</p> <p>DESCRIPTION</p> <p>The apparatus shall be made of stainless steel with provision for pressuring the vessel by a pump for vehicle built into the system. A lance with a scrubber, a brush, a scraper and an adjustable nozzle shall be provided for working at a safe distance from the contaminated surface. There shall be a pressure gauge for indicating the pressure inside the apparatus. The shoulder strap shall be provided for manual handling and brackets for fixing it on a vehicle.</p> <p>SPECIFICATION DETAILS</p> <p>1 Capacity 14±0.4 liter total</p> <p>2 Weight 12±0.4 liter charged</p> <p>3 Weight complete assembly but without mounting bracket</p> <p>10.5± 0.5 kg</p> <p>4 Weight of mounting bracket</p> <p>5.2±0.1 kg</p> <p>5 Operating pressure 5.5±0.1 kg</p>		

6 No. of strokes to attain the operating pressure by
Not more than 35 strokes
7 Ruddedness Shall withstand normal vibrations and shocks during handling and transportation
8 Working conditions The apparatus shall be capable of working in a temperature range of 30 to +50 degree C and upto RH100%
9 Shelf life Minimum 5 years for all non metallic components when tested and 10 years for metallic components.
10 Discharge time at 4gk/CM2
Not more than 5 min
11 Jet Range at 4KG/CM2
Not less than 5 meters
12 Leakage Not more than 1kg/cm2 in 48 hrs
13 Corrosion resistance Not trace corrosion shall be permitted when tested.
14 Hydraulic pressure test The equipment shall not fail or show any sign of leakage when pressured at 2.5 times the opening pressure i.e. 13.75 kg/cm2
15 Burst pressure Not less than 22kg /cm2
16 Pressure gauge Size 40+/-2 mm range 0-10 +/- 1 kg/cm2 conforming to IS 2624:66. The dial shall be marked range and red for maximum permissible range.
17 Workmanship and Finish Standard workmanship shall be of high quality and

reliability. Finish of parts and overall finish shall be specified in design documents
18 Painting The external surface of the DAP shall be pretreated and painted with acid and alkali proof paint as per IS 5660 and 5660 shade for external paint shall be as per IS 345 shade No 5 (Olive green)
19 Marking Name of article : Portable
Decontamination apparatus
Batch number and Sr. No.
Date of manufacture (M&Y)
Capacity (L)
Developed by DRDE Gwalior
Manufactured or Decon unit should be of any
Internationally approved defense forces.
20 Guarantee Manufactures have to stand guarantee for five years from the date of manufacture of DAP when stored, in factory packing in store houses for all non metallic parts and 10 years for all metallic parts.
21 Warranty The stores supplied against the contract shall be deemed to bear warranty for all the contractor against defective design, material workmanship and performance for a period of 1 year from the date of receipt of each consignment of DAP of the consignee end during the period, if any of the stores supplied is found defective, the same shall be replaced by the contractor free of cost at consignee end and as soon as possible in any case not less than six months from the date of intimation received by him.

No.

		<p>22 Technical literature The following technical literatures shall be supplied free of cost as per defence format available from the AHSP according to quantity covered in the supply order:-</p> <p>a) User hand book (UHB)</p> <p>b) Part identification list (PIL)</p> <p>c) List of spares for two years maintenance</p> <p>23 Spares The following spare part shall be provided with the apparatus</p> <p>i) One set of O line shall be provided with each DAP.</p> <p>ii) Clamps -2 Nos to hold delivery connections</p> <p>iii) Funnel – one number</p> <p>iv) Vehicle mounting bracket</p> <p>v) Measuring scale one number</p> <p>vi) Spanner for pump assembly one number</p> <p>vii) Braided PVC hose with air filling valve at one end and connector to suit vehicles on the other end, length 7 meter one set</p> <p>viii) 5ltr PVC can – one No.</p> <p>ix) Key for air filling valve tightening – one No.</p> <p>x) Screw driver taparia 150 mm one No.</p> <p>xi) dust caps for nozzle and sockets – one No.</p>		
16	A LEVEL SUIT	<p>01 Suit should be gas tight, to provide protection against Gases, Vapours, Aerosol and liquid (CWAs and TICs) hazardous chemicals and Biological warfare Agents.</p>		

02 The suit should be one piece fully ENCAPSULATION TYPE 1a / Level "A" gas tight suit covering both the wearer and the breathing apparatus. It should be overall suit, designed to enclose the wearer's complete body and SCBA.
03 Head area should be large enough to accommodate a SCBA face piece and to be able to allow user to wear a hard cap or firemen's helmet, with a provision to attach communication set.
4. Suit must be provided with an intrinsically safe, fireproof, hands-free Radio set/Walky-Talky (VHF/UHF) inside the suit for communication during operation.
05 The suit should contain a SCBA with a lightweight carbon steel/Aluminum cylinder with capacity to allow continuous work for not less than 45 minutes. It should be able to give out alarm 15 minutes prior to exhaustion of air in the cylinder.
a. It should have minimum 15 years' service life and 3 to 5 years hydrostatic testing cycle.
b. Light weight
6. The suit should have extra connection for supplementary air through line supply, Suit should have Integrated ventilation system through one way valve.
7. The suit to be made up to polyamide Fabric Tychem TK or equivalent. The material will be high visibility fluorescent orange color.

8. A long gas tight zipper should be fitted to the suit which enables easy donning and doffing. The Zipper should be shrouded by two outer flaps which must be fastened together by means of a velcro strip when suit is in use.
9. All seems to be double sealed hermetically both from inside and outside.
10. The gloves to be lined (outer gloves with inner lining compatible with the suit material, with outer layer of Neoprene for extra protection. The gloves to be fitted by means of locking cuff mechanism, 2 Spare Pairs of Gloves shall be supplied with each suit.
11. The boots to be permanently sealed to the suit. The boot to be highly chemically resistant providing a degree of protection against mechanical hazard. Safety boots with steel toe cap and mid sole.
The main features of boots to include.
a. Should have a BTT for chemicals/gasses/aerosols not less than that of the suit
b. Not less than 200 joule steel toe cap.
c. Cleated slip resistant sole.
d. Injection molded seamless construction.
e. Non-absorbent polyester lining.
f. Kick off lug for easy removal.
g. Stainless steel midsole.
h. Cleated, oil resistant Rubber outsole for superior grip.
i. Exothermic insole for maximum wearer comfort.
j. Antistatic.

No.

		<p>12. The visor to be double glazed permitting clear undistorted vision that will withstand chemical permeation for the substances listed in the European standard EN464: 1994 for more than 480minutes : the mechanical strength of the visor should conform to EN146:1991. The visor to be impact resistant. The visor to provide a wide view of vision.</p> <p>13. The suit to be supplied with adjustable internal support belt to enable wearers of varying size for comfortable use.</p> <p>14. The suits to be available in S/M/L/XL size depending on the order.</p> <p>15. The suit to be light in weight & comfortable to wear.</p> <p>16. Each suit to be supplied in a suitable rigid box/case to store it when not in use and should have shelf life of minimum five years.</p> <p>17. The suit should comply with EN464:1994 for protective clothing suit should conform to EN943-1 for (gas tight type 1a/Level A), EN943-2 FOR (Emergency teams), EN 1073-2 for radioactive particles, EN 14126 for infective agents and EN 1149-5 for electrostatic properties .</p> <p>18. The suit should have more than 8hrs (480 minutes) breakthrough time against the given chemicals as per Appx. – “A”.</p> <p>19. Operation/Maintenance manual to be supplied with each suit with indicative BTT for different chemical environment.</p>		
17	NBC SUIT (IMPERMEABLE) DECONTAMINATION	JOINT SERVICE SPECIFICATION (JSS-1195-15: 2016)	No.	

18	PORTABLE GAMA SPECTROMETER	i. Compact, east to operate and rechargeable battery operated device.	No.	
		ii. Detectors : 1.4”X2.2” (apprx) Nal (TI) detector and		
		iii.Dose rate range		
		GM tube.		
		: 0μSv/hr to 1 Sv/hr		
		iv. Sensitivity (Cs-137) :> 500 cps per μ Sv/hr		
		v. Energy range for gamma: 30 keV-3 MeV		
		vi. Gamma spectrum : 1 K channels, 3 MeV		
		vii. Spectrum memory : > 100 spectra at 1024 channels		
		viii. Resolution : > 8% FWHM at 662keV		
		ix. Data storage capacity : Approx, 2 GB internal memory		
		x. Nuclide identification : According to ANSI N42.34		
		xi. Nuclide library : Standard library		
		xii. Alarm levels :Four pre-set levels		
		xiii. Display : LCD, high contrast, approx, 60x45 mm (size)		
		xiv. Protection class : IP54 or equivalent (Splash proof, dust tight)		
		xv. Communication : RS 232 OR USB interface or both		
		xvi. Embedded software : Compatible with Windows & higher version.		
		xvii. Weight : 1500 gm(appx) with batteries.		
		xviii. Dimensions (LxWxH) : Appx 250 mmx 100mmx80mm		
		xix. Temperature range : 20 ° C to 50 ° C and RH 10% to 80 %		

		xx. Battery capacity : > 2000 mAh, 4.8 V operating duration>8hrs at 20 ° C		
		xxi. Auxiliary software : Transfer of spectra from portable spectrometer to PC and vice versa: spectrum visualization and analysis		
		xxii) Accessories : DC power adapter, charger with extra replacement battery, RS232 and USB connecting cables appropriate for data transfer and others.		
19	PLASTIC SUIT WITH COMFY RESPIRATOR	Specifications: A) Material : PVC Plastic B) Thickness : 0.2 mm C) Size : 66 inch COMFO RESPIRATOR NOSE CUP 1. Type :- Half Mask, fitting under the chin, having rolled in periphery. 2. Cavity Volume : 200 ml Weight : 90 Gms. 3. Length : 121 mm Width : 87 mm 4. Material : Natural rubber with high density polyethylene EXHALATION VALVE 1. Type : Three piece valve, consisting of valve, valve seat and valve guard. 2. Leakage : <0.1 % of normal breathing rate at 75mm of W.G.	No.	
20	INTEGRATED HOOD MASK	JOINT SERVICE SPECIFICATION JSS 8415 -24: 2013 (Rev-2)	No.	
21	RESPIRATOR (GAS MASK) WITH 2 CANISTERS	JOINT SERVICE SPECIFICATION JSS 4240-02:2016 (Rev-2)	No.	
22	BUTYL RUBBER GLOVES (INNER AND OUTER)	JOINT SERVICE SPECIFICATION 1. GLOVES OUTER -JSS 8415-16:2016 (Rev-2)	No.	

		2. GLOVES INNER -JSS 8415-17 :2017 (Rev-2)		
23	NBC OVER BOOTS	JOINT SERVICE SPECIFICATION	No.	
		JSS 8430 -16-2013 (Rev-2)		
24	RESUSCITATOR	JOINT SERVICE SPECIFICATION	No.	
		JSS NO. 6515-80 :2007 (Rev-2)		
25	WATER POISON DETECTION KIT (WPDK)	DESCRIPTION		
		The water poison detection kit shall be housed in an aluminium container having reagent bottles and impregnated filter papers strips essential glassware and miscellaneous items properly cushioned to withstand transport hazards.		
		SPECIFICATION DETAILS		
		1.Overall dimension (mm) : 325±3x270±3x110±3		
		2. Weight : 3.4±.05 kg		
		3. Detection Limit		
		CONTAMINATIONS LIMIT (mg/l)		
		Mercury : 0.5		
		Manganese : 0.20		
		Copper : 1.50		
		Lead : 0.001		
		Arsonic : 0.20		
		Cyanide : 0.50		
		Sulphur Mustard : 2.0		
		Nerve agent : 0.01		
		Microbial Contamination : 1-3 coliform /100ml		
		RUGGENESS The kit shall be rugged enough to withstand vibration at 120Hz		
		Working Condition		

The kit shall be capable of in temperature range of 5 to + 50 degree C and RH upto 90%. However for microbial contamination test, minimum temperature of 27 degree C shall be used.
SHELE LIFE The efficiency of the contents of the kit shall not deteriorate in their performance even after 2 year of storage in factory packed conditions.
All the consumables shall be replenished after a laps of 2 years from the date of manufacture.
WORKMANSHIP
AND FINISH
Standard workmanship shall be of high quality and reliability. Finish of parts and overall finish shall be specified in design documents PAINTING The kit container shall be pretreated and provided with one coat of each prime followed by two coats of zinc chromate as per IS 1874 and painted in OG colour as per IS 5660 5666 and IS 5
MARKING Following marking shall be provided on each kit
a) Name of the kit
b) Batch No. & S.No
c) Date of manufacture (M&Y)
d) date of expiry of reagents
e) Developed by DRDE Gwalior
f) manufacturers name

No.

		PACKING Each kit shall be wrapped in a polythene blister bag thickness accompanied with 50gm silica gel pouch and packed in corrugated PVC packing. Bulk packing shall be of 10 pieces per box in corrugated PVC packing.		
		GUARANTEE Manufactures have to stand guarantee for five years from the date of		
		manufacture of WPKD except for consumable for which guarantee shall be two years, while storing in factory packages at store house.		
		WARRANTY The store supplied against the contract shall be deemed to bear warranty for all the contractor against defective design, material workmanship and performance for a period of 1 year from the date of receipt of each consignment of DAP of the consignee end and during the period, if any of the stores supplied is found defective, the same shall be replaced by the contractor free of cost at consignee's end and as soon as possible, in any case not later than six months from the date of intimation received by him.		
		TECHNICAL		
		LITERATURE		
		The following technical literatures shall be supplied free of cost as per defence format available from the AHSP according to quantity covered in the supply order:-		
		a) User Hand Book (UHB)		
		b) Part identification list (PIL)		
		c) List of spares for two years maintenance		
26	RESIDUAL VAPOR DETECTION KIT	JOINT SERVICE SPECIFICATION	No	

		(JSS 6665-09: 2017)	NO.	
27	C W SAMPLING KIT	SPECIFICATION	No.	
		1 Containers (415x355x165mm)		
		NOTE :- All surfaces of the kit to be applied		
		with one coat of each primer then two coats		
		of Zinc chromate primer as per IS		
		1874,finally two coats of olive green paints.		
		01 Aluminium		
		2 Micro Pipette 01 Make qualipett,200 to 1000 microliter		
		3 Syringe (20 & 50 ml) 01 Each ,make Disproven		
		4 Hand sealing machine 01 Chrome plated		
		5 Suction Pumps 01 Plastic, Make Pip lip		
		6 Surgical Gloves (6.5”) 01 Latex		
		7 Scissor (6.5”) 01 Chrome plated		
		8 Teflon tube (dia 2 mm) 03 m Teflon		
		9 Measuring Cylinder (10 ml) 01 Glass		
		10 PDK- I 04 Chemical Pouch as per DRDE SpecDRDE/0287/NBCD/98/08.		
		11 PDK – II 01 Chemical Bottle as per DRDE Spec DRDE/0287/NBCD/98/08.		
		12 Three colour detector 02 As per DRDE SpecDRDE/0287/NBCD/98/03		
		13 Spatula (6”) 01 Stainless steel		
		14 Forceps (6”) 01 Stainless Steel		
		15 Droppers (6”) 10 Glass with back rubber teat		
		16 Label Sticker 100 Paper with back side gummed		
		17 Plastic containers (100 gm) 06 Plastic, make pearl pet		

		18 Plastic Containers (100 gm) 05 Plastic with Cover		
		19 Sample collection bottle (50 ml) 05 Glass		
		20 Sample collection bottle (20 ml) 05 Glass		
		21 Note Pad (slap pad No.002) 01		
		22 Gel pen 01		
		23 Cello Tape (1”x5 mtr) 01 Roll		
		24 Packing Tape (1” x 10mtr) 01 Roll		
		25 Adhesive Tape (5 cm x 5 m) 01 Make john sons		
		26 Plastic box (5.5 x 4.5 cm) 01 Colour less Plastic		
		27 Plastic Box (5 cm x 6.5 cm) 01 Color less Plastic		
		28 Aluminium caps 10 Aluminium		
		29 Tissue paper 01 Roll		
		30 Buds pack 01 Make john sons		
		31 Polythene bags with gip (!2” x 12) 20		
		32 Polythene bags with gip (!8”x 18 “) 20		
		33 Safety cover 01 Corrugated PVC box to housesampling kit.		
28	CASUALTY BAG (FULL)	JOINT SERVICE SPECIFICATION	No.	
		(JSS 8465-35: 2017)		
29	CASUALTY BAG (HALF)	JOINT SERVICE SPECIFICATION	No.	
		(JSS 8465-34: 2017)		
30	DECONTAMINATION KIT (SET)	JOINT SERVICE SPECIFICATION	No.	
		JSS 4230-05-2013 (Rev-3)		
	CSSR EQUIPMENT FOR DETECTION			

31	LIFE DETECTOR TYPE-I & TYPE-II	<p>The human Life Detection System will be used by Rescue Workers to determine, without risking lives by entering; whether anyone is trapped inside a burning or collapsed building. It should help to locate trapped or marooned victims in a disaster area, Reducing both search times and danger to rescuers and to find lost or injured people faster in hostile terrain, bad weather, collapsed trenches, even underwater. The system should have the discrimination capability for detecting only living human beings and not deceased humans or living animals. The principle of working is based on the equipment's capability of detecting living human beings by detecting the distinctive electromagnetic field created by their heartbeat. This is achieved by use of the special handheld equipment.</p>		
		Required Capabilities and specifications		
		The instrument should be in full compliance with following specifications:-		
		It should be capable of passively detecting the presence of living humans behind thick barriers such as concrete walls, steel gates, trees, and 500 meters in the open air. It should be capable of passively detecting the non-uniform electric fields of living humans. It should not detect animal life.		
		Field of view:		
		Horizontal plane: at least -2 to + 2 degrees Vertically plane:		
		At least - 60 to + 60 degrees in open air.		

At least - 40 to + 40 degrees in composite structure.- 20 to + 20 degrees on and all-metal grounded platform.
Detection range: It will come with two range adjustment devices (RADs) as follows:
All metal RAD up to 500 meters
Composite RAD up to 20 meters
* Target tracking - in detection mode, once the Life detector has fixed on target, even if it is moving, the life detector will continue tracking the target.
D) It will have a built - in Red laser (used to show direction in dark areas) and will be eye safe, the laser Environmental parameters for optimum performance will be:-
Operating temperature: -10 to + 45 degrees Celsius
Storage temperature : -40 to + 85 degrees Celsius
* Instrument will be water resistant.
(E) Power: (Internal)- rechargeable 8.4 V DC battery for the laser. Operating time: 3 hours in continuous operation.
Charging time : 14 to 16 hours-charge should be provided.
* Weight: < 1kg
* Hard carrying case or bag for accommodating the instrument will be provided.
(F) Instrument environmental parameters for optimum performance.
1. Operating temperature : - 40 to +85 degrees Celsius.

2. Storage temperature : - 40 to +85 degrees Celsius.
(G) The supplier will provide full training on the set to the user for a minimum of three days. This training will include on day in house classroom training on theoretical aspects including troubleshooting and maintenance and two days of field training and techniques to ease detection.
SPECIFICATION FOR HUMAN LIFE DETECTOR TYPE-I
GENERAL:
Life detector a seismic/acoustic listening device, light weight and easy to carry, designed specially to detect and locate trapped, live victims in collapsed structures caused by earthquakes, explosion, landslides, construction cave-ins or mine disasters and should include the control unit, sensors, sensors spikes, connecting cables and spools, Magnetic Clamps, Headphones, intercom probe, AC power supply battery pack and carry bag (for control unit) with all required accessories.
The Life Detector should be provided with not less than 6 sensors. 4/6 sensors.
TECHNICAL SPECIFICATIONS
(F) MAIN UNIT
INPUT OF SENSOR/INTERCOM/PROBE
Seismic sensor input impedance : > 6K Ohms
Intercom probe input impedance: > 3 K Ohms
HEADSET OUTPUT
For headphones : 1/4" stereo jack
Output power, variable : 0.13 W/60 Ohms

No.

FREQUENCY RANGE
1 Hz to 3000 Hz
FILTERS (FIXED SWITCH ABLE)
"Rumble" : High pass 100 Hz
"PWR" : Notch 50 Hz and 60 Hz
"Hiss" : Low pass 600 Hz
SIGNAL DISPLAY
LED Bar graph any 2 channels or sum of all channel, range 60 db.
(I) SESMIC/ ACCOUSTIC SENSOR (POSITION INSENSITIVE)
Frequency Range : 1 Hz to 300 Hz
Shock resistant : > 1000 g
(J) © POWER SUPPLY
Battery operated, low battery alert: Lithium ion rechargeable battery type”. Appropriate
perating time at approx. 20 deg.C:>20 hrs
Ext. DC Input
AC/DC converter,
AC line frequency
: 10.8 to 28.8 VDC
: 47 to 63 Hz
Nominal AC line voltage : 100 to 240 VAC
(K) AMBIENT TEMPERATURE
Storage and transport : -20 degree to + 70 degree C
Nominal operating range : -15 degree to + 60 degree or more.
Each system /life detector should contain following :-
1) Sensor spike - 6 Nos
2) Magnetic sensor clamp – 2 Nos
3) Lithium ion rechargeable battery stick -2 Nos

		4) Lithium ion battery stick charger 01 Nos		
		5) Power supply 01 Nos		
		6) Carry bag for Interface unit 01 Nos		
		7) lanyard strap 01 Nos		
		8) Cable connector cap ,pack of 6 qty 01 Nos		
		9) Sensor connector cap 2 Nos		
		10) Operation/ maintenance manual 01 Nos		
		11) Case 01 Nos		
		12) Field operation guide 01 Nos		
		13) Life detector Display interface 01 Nos		
		14) Seismic sensor, #1,#2,#3,#4,#5,#6 all number sensor one each &Acoustic sensor #1, 01 Nos		
		15) Head Phone with boom Mic 02 Nos		
		16) Sensor connecting cable 10 M on spool 6 Nos		
		17) Sensor Connecting cable ,3M 1 Nos.		
32	VICTIM LOCATION UNIT WITH	Purpose		

BREACHING SYSTEM

Victim location systems to be acquired are designed for location and rescue of victims trapped under debris during natural calamities or in mine collapses or confined space disasters. They enable insertion below the debris of a telescopic probe which mounts, at its head, a sensitive articulable video camera, supported by appropriate illumination, whose images can be viewed by the operator and other rescue personnel on remote display monitors. The system also integrates a two – way audio system which can pick up life sounds from the victim and also permits the passage of spoken instructions or assurances to him from the rescue team. Since a rigid telescopic probe has limitations on how far it can be inserted, the camera, light and sound system can also be mounted on one end of a cable which can be used to reach greater depths.

<p>The required Breaching System is a heavy duty drill used for making an entry hole for the probe of the victim location system through debris at the disaster site, or other overlaying material required to be breached to enable the search camera to access underlying void spaces. It should allow rescue teams to breach most common construction materials with only one system. It coring bits, carbide tipped diamond studded should be able to bore through wood, nails, sheet metal and roofing materials and reinforced concrete. The system Should have a collar for attachment of coring bits as well as for cooling water to be delivered to the spinning carbide tipped diamond studded bits when used.</p>
<p>Capabilities Required (Victim Location System)</p>
<ul style="list-style-type: none">• The system's primary configuration will be based on a video camera mounted at one end of a rigid telescopic probe which can reach out into depths and void spaces up to a distance greater than 9ft.
<ul style="list-style-type: none">• The colour video camera should be minimum, 1/3" double scan colour CCD with 4, 70,000 pixel or more with low light sensitivity to better than 0.1Lux. The camera head should have travel articulation of 180° total, right to left, with a viewing area not less than 120°. Illumination to be provided by 10 to 16 element LED/xenon lamp integrated into the camera head which can illuminate up to 6m or more in total darkness.

<ul style="list-style-type: none"> • The system will be provided with two display monitors, one at the operator level and the second for remote viewing by other rescue personnel at a distance not less than 20 m from the operator position. The monitors should be flat screen LCD active matrix of minimum size 6'' measured diagonally.
<ul style="list-style-type: none"> • The system will be provided with a two-way audio system. Maximum Gain will be better than 90 dB. The camera will also house a speaker. The operators' headset will incorporate noise attenuating earphones and a boom microphone through which messages or instructions may be passed to the victim through the speaker housed in the camera piece.
<ul style="list-style-type: none"> • The system should not require more than two persons to operate, one operator to handle and control the probe and the second operator for the system functions, as well as viewing of the monitor. The probe operator will be provided ergonomic controls.
<ul style="list-style-type: none"> • The probe should not weigh more than 5 kgs.
<ul style="list-style-type: none"> • Two rechargeable dry batteries and a charger should be provided. The batteries should enable 3 hours continuous use and the charger should recharge these to 90% in less than two hours.
<ul style="list-style-type: none"> • The system should be capable of operation in a temperature range of -10° to 50° C.
<ul style="list-style-type: none"> • Storage temperature - 0° -(4 ° to 36 ° c)
<ul style="list-style-type: none"> • Humidity - 10 % to 90% relative
<ul style="list-style-type: none"> • Water resistant- High water resistant
<ul style="list-style-type: none"> Capabilities Required (Breaching System).
<ul style="list-style-type: none"> • Power head weight- not more than 12 kgs.

No.

		<ul style="list-style-type: none"> • Boring speed- not less then 5 cms per minute instandard construction grade concrete. Breachingdepth - 150 cm		
		<ul style="list-style-type: none"> • Bits- carbide tipped diamond stubbed bits(min.dia-52mm) capable of coring holes ofminimum diameter of 55 mm (55mm).		
		<ul style="list-style-type: none"> • Cooling- pressurized water can, 2 gallon capacity with not less than 3 m hose with quickconnect fittings.		
		Field service kit- Canvas storage pouch, spare		
		fuel tank cap, starter recoil assembly, Allen keyset for starter assembly, spare spark plug, sparkplug wrench, copper washer, garden hose towater collar adaptor.		
		Scope of Supply		
		<ul style="list-style-type: none"> • Complete victim location system with cameramounted on rigid telescopic frame extendableto length > 6 m along with video displaymonitor, two-way audio system incorporatingsearch microphone and communicationspeakers in camera housing and under-helmetheadset with earphones and boommicrophones, Operator consoles all packed inappropriat water tight, dust proof carry case. 		
		Separate remote hard-wired display monitor		
		with extension cable to 20 m.		
		<ul style="list-style-type: none"> • Two batteries and charger. 		
		<ul style="list-style-type: none"> • Complete Breaching System in appropriate carry case with two additional diamond and		
		coring bits each.		
33	HAND HELD GAS DETECTOR	Best quality	No.	

34	THERMAL IMAGING CAMERA	SPECIFICATION OF HELMET MOUNTED THERMAL IMAGING CAMERA		
		As per certificate issued by IRDE, Dehradun vide letter No. 78700/TIC dated 22/02/2012 that HelmetMounted Thermal Imaging Camera (HMTIC) with the following specification has been designed and developedby Instruments Research & Development Establishment, Defence Research & Development Organization,Ministry of Defence, Dehradun.		
		1 Detector 384 x 288 VOxMicrobolometer FPA (NETD), 50mK: 25µm pitch)		
		2 Spectral Range 8-12 µm		
		3 Field of view 50° x 37.5°		
		4 Focus Control Nil (3m to infinity)		
		5 Recognition Range 50m for human target		
		6 Display OLED with 6X Magnifier		
		7 Power 4W typical		
		8 Input Voltage 12 VDC		
		9 Battery Rechargeable Li-ion Battery with 2Hrs (min) continuous operation		
		10 Ext. Video O/P CCIR format		
		11 Weight 2.2 Kg(including battery & helmet)		
		12 Environmental Applicable clauses of JSS55555 and MIL STD 461- C & EMI/EMC		
		The product has gone through extensive testing at laboratory and can be extremely helpful for end userrequirements in rescue operations during disasterincluding fire accidents.		
		Note: (i) The confirmation that the stores is meeting the specification should be supported bycuments/literature etc.		
		(b) Thermal Imaging Camera		

Thermal imaging camera should be capable of viewing object and persons in total darkness or smoke filled conditions such as during nights and fire/disaster conditions. It should also have integrated temperature measurement with digital display.
WARRANTY:-The vendor should warrant the entire thermal image camera free from defects for a period of 24 months from date of delivery.
SERVICE-The bidder should have service facilities in India to provide for timely and efficient service related issues.
QUALITY:-The camera must be manufactured by an ISO 9001 organization.
WATER RESISTANCE & ELECTRO MAGNETIC
COMPATIBILITY:-
Documentation should be submitted illustrating tests that have been conducted to certify water resistance and electro-magnetic compatibility.
PHYSICAL CONFIGURATION:-
The thermal image camera should be a hand held design with battery, viewing optics , side straps, neck strap lanyard and the optional choice of grips.
Weight of camera should not exceed 2 kgs. (The camera should be supplied in a storage case)
TURN ON TIME :-
The camera should provide an image within nominally five (5) seconds of power being applied.
TECHNOLOGY:-

No.

<p>The imaging technology should be amorphous silicon 320 x 240 or better micro bolometer free of export restrictions into India. The heat sensitivity of the detector should be the minimum of 0.05 degree Celsius for temperature definition. The imager should exhibit an ability to avoid without or blooming conditions when subjected direct to flame or sun. Clarity of the image must not deteriorate by either type of exposure during normal operation. The imager should have Minimum three colour to aid clear identification of the burning matter. The unit should have a Direct Temperature Measurement facility with a digital read-out. Temperature measurement to be from 0-500 (Minimum) Degree Centigrade.</p>
<p>OUTER SHELL CASE:</p>
<p>The imaging unit should be ergonomically designed with heat resistant material of construction. The unit colour should be yellow or bright colour.</p>
<p>The unit should be capable of withstanding a 1.5 meter drop.</p>
<p>VIEW OPTICS :</p>
<p>By high resolution not less than 90 mm (3. inch) colour Liquid Crystal Display LCD.</p>
<p>LENS: The unit should have a lens fabricated of germanium with a diagonal field of view of not less than 50 degree.</p>
<p>The lens focus range should be 1.0m to infinity.</p>
<p>VISUAL INDICATORS :</p>
<p>All thermal imaging unit shall be equipped with the following onscreen displays:</p>

		Battery level indicator		
		Digital temperature read out.		
		All indicators shall be visible on the viewing screen.		
		SWITCHES:		
		(A single ON/OFF switch)		
		SIDE STRAPS/LANYARD:		
		The die straps and lanyard should be of sturdy fire retardant construction and be field replaceable. Side straps should be on both sides of the unit enabling it to be used by both left and right handed operators. The Lanyard should be attached to the unit by a “D” ring. An optionalremovable pistol grip handle or action grip should be available.		
		POWER SUPPLY:		
		Each unit should be supplied with two rechargeable dry batteries eachhaving a continuous operating time of 3 hours. Each unit should besupplied complete with a battery charger capable of operating on bothmains 220/240 AC or 12V DC. The unit shall have automatic variabledynamic range control management.		
		VIDEO OUTPUT:		
35	SKID STEER LOADER MACHINE WITH ACCESSORIES	The thermal image camera should have a video output or BNCconnector.		
		General :		
		It should be employable for the following tasks with the use of suitable attachments:-		
		a) Rock Breaking		
		b) Limited Dozing work (Back hoe Loader)		
		c) Snow clearance		

2 CHARACTERISTICS
a) Essential
i) Small enough to be used in confined places for constructions of class 3/3.5 track/mule track up to 5 ft width in high altitude mountainous terrain and should be able to function up to temp(-)15 degree C.
ii) Self-propelled machine with capability to travel with a speed of 8 to 9 kmphXcountry and high on site mobility.
iii) Maintenance-free positive gear meshed transmission /hydraulic transmission.
iv) It should have an excavator or a loader or excavator cum loader attachment withsingle/dual-cylinder loader arm, fixed to the machine at any one time with capability tofit other attachments.
v) Weight with operating weight (weight with standard dirt bucket, full fuel standardtyres and an 80 kg operator) not exceeding 3600 Kg.
vi) Should be possible to operate the machine in High Altitude Areas up to 18000 ft aboveMSL and in slushy /water logged areas for track construction tasks.
vii)Changing of attachments should be user friendly and should not exceed 10 minutes in field conditions.
b) Desirable
i) Should be able to clear landslides consisting of boulders up to 30 to 40 cm disaster (upto 300 kgs weight).
ii) Should have a cabin to provide weather protection to operator.
3. Excavation performance

Excavator should be capable of excavating speedily in soft soil and to limited capability in rocky areas. However, it should be able to break rocks and clear the rocky outcrops/burdenas desired. It should be able to work on slopes of mountains.
4. Dozing Performance
Should be capable of carrying out limited dozing of soft soil/loose rocks /loose earth
5. Performance of the equipment
The performance of the skid steer should be:-
a) Dump Ht-Min 2000mm
b) Rated OP Capacity – Min 600 kg \pm 10 kg.
c) Tipping Load-1100 to 1300 Kg.
6. Attachments
It should have capability of fitting and working with following attachments:-
a) Excavator buckets of capacities 300 mm,450mm, 600mm
b) Riper Tooth with 5 teeth
c) Ditch cleaning bucket Size-550 mm-700 mm
d) Rock Breaker, Hydraulic vibrating type
e) Stump grinder/tree cutter, operating height 24 inches, wheel diameter 20 inches
f) Earth Auger, Auger bit size 300 mm
g) Snow blower-Chain driving with rotating protrusion
h) Back hoe loader, Cutting depth 2.5 m, minimum horizontal reach 3.36m.
i) Track Rubber tracks as attachments should preferably be easily mountable overwheels in field conditions.
7. Mobility

The machine should be self-propelled with high on-site mobility and cross country performance.
8. Night aids
Luminous markers should be provided on the machine and attachment to enable the operator to gauge the depth of the trench and location of arm and bucket at night.
9. Transportability
Should be capable of being transported over a long distance:-
a) By road in 5/7.5 ton class vehicle.
b) By Air in IL-76 aircraft.
c) On Board /under sluing in MI-26 helicopter in full or semi knocked down state. If transported in semi Knocked down state, it should be possible to reassemble the machine in field with ease.
10. The Skid steer shall be simple to operate and simple to store and maintain.
11. A user handbook giving complete operation and maintenance instructions shall be provided with the equipment. The skid steer also be provided with tool kit and fast running spares.
TECHNICAL SPECIFICATIONS:
SN Parameters Specifications
1 Engine assembly Four cylinders, Liquid cooled /Power-min 60 hp deliverable at altitude 4500 mtr or above specifics of power to be certified by OEM.
Capacity : min 2.60 Ltr
2 Transmission Hydrostatic 4x4 independent drive
3 Tyre 04 Nos, Pneumatic Tubeless 10x16.5 Standard duty

		<div>4 Power train Through positive gear boxes, slip free drive through forgedgears/hydraulic systems.</div> <div>5 Axle and suspensionRigidly fixed, integrated into chassis</div> <div>6 Brakes Hydraulically activated and released multiple fade free brakes formingintegral part of the drive motor.</div> <div>7 Electric system 12/24V 150 AH-maintenance free automobile battery.</div> <div>8 Cooling system Liquid cooled one pump one loop system. Coolant is Ethylene Glycol/ water mixed (1.1)</div> <div>9 Steel tracks Manganese enriched steel with solid blocks.</div> <div>10 Back hoe Cutting depth 2.5 m, Horizontal reach–minimum 3.36 m, Swingcapacity 90 degrees either side, cutting force 16.3 KMS</div> <div>11 Rock Breaker Hydraulic, vibrating type rock breaker</div> <div>12 Snow blower Chain driven with rotating protrusions</div> <div>13 Gross Vehicle Weight</div> <div>Not exceeding 3600 Kg</div> <div>14 Fitments Each skid steer loader should be fitted with cold starting/provision/aids and lift hooks.</div>		
36	MULTI GAS DETECTORS	<div>1. Hand held chemical agent monitor must be IMS (Ion Mobility Spectrometry)</div>		

principle based with minimum interferences. The chemical agent monitor should have an additional Toxic industrial chemical detector suitable to enlarge the range of detectable hazardous compounds.
2. Detector should be able to indicate and display name of compounds detected.
3. Principle firm manufactures must have IPR on complete instrument.
4. Instrument must be hand held and capable of sensing:-
a) All nerve agents including V agents.
b) Blister agents including Lewisites.
c) Blood and choking agents.
d) Important Toxic Industrial Chemicals like:-
i) Formaldehyde
ii) Phosphorus Richloride
iii) Hydrogen Chloride
iv) Chlorine
v) Arsine
vi) Boron Trichloride
vii) Boron Trifluoride
viii) Sulphur Dioxide
ix) Cyanide
5. Detection Sensitivities
a) Nerve Agents & VX : 0.05 mg/m ³ (GA, GB, GD, GF, VX)
b) Blister Agents : 0.5 mg/m ³ *HD& Lewisite)
6. Response time must be < 60 at the above stated concentration.
7. Recovery time must be < 03 Minutes at the above stated concentration.

8. It must sense vapour samples from agents present in the atmosphere in the form of vapours liquid or aerosol.
9. Time to be ready : < 05 minutes after switch on.
10. Must be capable of providing visual alarms for agent class (Nerve, Blister, Blood, Chocking and TIC)
11. Must be capable to provide audio and visual alarm with LCD/LED indications for increasing concentrations.
12. The chemical detector shall be capable of having workable memory and networking with comprehensive communication links, such as RS - 232/- RS – 422/Ethernet/Fiber optic or RF options.
13. The chemical agent detector must be compatible with communication capable to transferring the real time data.
14. The chemical agent detector must be compatible to store the data.
15. Instrument must not give false alarm in continuous operation of minimum 06 hrs in normal Indian environment
16. Interferences:-Instrument must not give alarm to the interferons, such as screening smokes, smoke of wood, paper plastic, PVC, Incendiary gases from explosive, engine exhaust and fuel. At the same time it should be able to detect CW agents in the presence of above stated interferons.
17. Operating Temperature
a) Lower temperature range : - 30° to – 25° C

		b) Higher Temperature range : + 45° to 55° C 18. It must be possible to decontaminate the instrument easily in the field. 19. Temperature and environmental test must meet JSS55555/ MIL-46IE/810F or other equivalent standards for the instrument in semi protected conditions. 20. Input power must be 6 to 12 V DC battery rechargeable / 230 VAC operated. (with battery eliminator) 21. Instrument must able to run for minimum 06 hrs continuously with a single battery unit. 22. The weight of instrument must < 02 Kgs without battery & case. 23. Maintenance must be modular, with fitment of consumable form outside, without opening complete instrument enclosure. 24. Shelf life minimum 10 years. 25. Maintenance must be minimum in specified storage conditions. 26. Easy maintainable at unit/site level. Maintenance tool must be adequate. 27. Spare part list, instructions for user, complete equipment schedule and any other relevant documents must be provided. 28. Must have provision for software / data library up gradation. 29. Must provide warranty of at least 02 years. 30 Documentary evidences are required to support the compliance statement wherever applicable.		
37	ANGLE CUTTER (ELECTRIC-14")	Specifications of Angle Cutter		

1. Electric Motor operating in range of 230 Volts, 2600 watts + 10% power rating, with a
maximum no load speed of 4900rpm + 10%and full load speed up to 3000 rpm+ 10% 15 Amperethree core electrical cord of 5 meter length with three pin plug will be provided.
2. The saw is to mount replaceable 12"(300mm) diameter diamond tipped or tungsten carbidetipped blade not more than 25 mm arbor. The saw should be able to cut to a minimum depth of100mm. One tungsten carbide tipped blade will be provided as an integral component of theequipment.
3. It should be possible to adjust the position of the tool body through a minimum of 70 degreesindependently of the cutting depth. It should also be possible to remove the tool base for cuttingcloser to walls and should be provided with guide wheels on the tool guard to ensure smooth travelover the surface material.
4. Operator Comfort and Safety Provisions
a) A vacuum port for removal of the dust and debris as well as shield for keeping debris awayfrom the operator will be provided.
b) A system for disengaging gears from motor to minimize effect of kickbacks will beprovided to ensure operator safety.
c) Optional.
d) A rubberized wrap around handle will be provided.
5. Accessories
The following accessories will be provided with each set:-

		<table><tr><td>a) One spare tungsten carbide tipped blade and two continuous rim diamondtipped blades.</td></tr><tr><td>b) Carrying case</td></tr><tr><td>c) Tool kit</td></tr><tr><td>d) Operation and Maintenance manual</td></tr></table>	a) One spare tungsten carbide tipped blade and two continuous rim diamondtipped blades.	b) Carrying case	c) Tool kit	d) Operation and Maintenance manual		
a) One spare tungsten carbide tipped blade and two continuous rim diamondtipped blades.								
b) Carrying case								
c) Tool kit								
d) Operation and Maintenance manual								
38	CIRCULAR SAW (ELECTRIC-16”)	<p>Circular saws are heavy duty power tools required in search and rescue operation for various carpentrytasks associated with access and extrication like cutting and sawing of timber, wooden beams, door frames, fallen tress etc. Typically these are light enough to be used by one operator and are electrically powered</p> <p>SPECIFICATION</p> <p>1. Electrically powered motor operating in 100 to 250 volts with power consummation between 1600to 2500 watts .15 ampere three core electrical cord 5 meter length with three pin plug will be provided.</p> <p>2. Idling speed of motor up to 2000 to 3000 rpm with a maximum load rpm of 1200 to 1500 rpm. Themotor should have a minimum endurance for continuous operation up to 60 minutes.</p> <p>3. Should incorporate easily locatable push button start and an electric brake quick stoppage.</p> <p>4. Size of blade : More than 12 inches diameter with an arbor not exceeding 3.2cm (1.25inches) theblade provided will be carbide tipped blade with minimum 32 teeth</p>						

		<div>5. The cutting capacity of the blade should exceed 125 mm at 90 degrees and 82mm at 45 degrees thesaw should enable stable blade rotation and a depth adjustment lever. A shaft lock will be provided foreffecting blade damage.</div> <div>6. The weight of the saw with blade should not more than 17kg.</div> <div>7. Rubberized wrap around saw and support handles with protection arrangement for shieldingoperator from debris and kick backs will be provided.</div> <div>8. Noise level during operation at full load should not exceed 100Dbat a distance of one meter.</div> <div>ACCESSORIES</div> <div>9. The equipment will be supplied with following.</div> <div>a) Two Spare carbide tipped blades.</div> <div>b) Tool Kit</div> <div>c) Operating and Maintenance manual.</div>		
39	CIRCULAR SAW CARBIDE TIPPED BLADE (235 MM)	CARBIDE TIPPED BLADE (235 MM)	No.	

40	AIR LIFTING BAG WITH AIR CYLINDERS	<p>1. Airlifting bags are pneumatics appliance that Can be used for a variety of lifting purposes in rescue works in the wake of vehicle and railroad accidents, collapsed shelters or road clearance worksamongst other situations. They can be slid into spaces below loads where normal jacks cannot be positioned. They can be used over uneven ground surfaces where again normal jacks will be unstable and dangerous. They can be used to relocate, topple, align and enable lifting by cranes or chain lifting systems. Whereas normal jacks concentrate the lifting energy over a small area, airlifting bags provide lifting pressure over a much larger area. They are easy in maintenance effort, durable and light weight.</p>		
		SCOPE OF SUPPLY		
		<p>2.Each set of high pressure airlift bags will an air-jacking system comprising two bags each on 10 sizes in term of maximum lift capacities, i.e. a total of 20 bags, with accessories as indicated in Para 3 below. The totaled maximum lift capacity of one bag from each size should be in the range of 245 to 270 metric tons. The individual sizes should range between the maximum lifting capacities indicated below.</p>		
		01 to 1.5 tons		
		1. 2.5 to 3.5 tons		
		2. 05 to 6.5 tons		
		3. 9.5 to 11 tons		
		4. 17 to 21 tons		
		5. 23 to 26 tons		
		6. 30 to 33 tons		
		7. 38 to 42 tons		

8. 52 to 56 tons
9. 65 to 70 tons
3. Each set will be provided with the following accessories to operate up to eight bags at a time:-
10. 8 inflation hoses 5 m long in four different colours (two each) with push lock couplers.
11. 8 inflation hoses 10 m long in four different colours (two each) with push lock couplers.
12. 2 dual control box/unit, 8 bar, dead man
13. 4 Single control units, 8 bar
14. 4 pressure reducers for air cylinders 200/300 bars
15. 8 shut off hoses with safety valve and 0.5 m hose
16. 6 compressed air cylinder 300 bar, 5 to 6 liters
17. 4 connection pieces for air cylinders
18. One air bag testing device per three sets of air bags (to be quoted for separately)
SPECIFICATIONS

		<p>4. The bag should be of multiple layers of Kevlar. Armed construction. While bags up to 26 tons max lift capacity should be square in shape, higher sizes may be rectangular or square in shape. The thickness of the bags should not exceed 30 mm. The set of bags should provide lifting options from a minimum of 7 cm for the smallest size to more than 50 cm for the highest size.</p>		
		<p>5. They should have anti-slip surfaces to provide good grip and high traction between the bag and surface of object to be lifted as well as when stacked on top of each other. Markings for centering should be provided along with fluorescent labels at corners for recognition in the night. Each bag should have its own storage bag.</p>		
		<p>6. Operating pressure 8.0 bars. Bursting pressure should not be lower than 32 bars. Testing pressure to be flowed will be 1.5 times the operating pressure.</p>		
		<p>7. Operating temperature -20 to 80 degrees centigrade.</p>		
41	COM ALONG 1.5 TONS	Come Along system should be of steel or hard Aluminum Alloy consisting three major parts	No.	

i.e. Base, Mast & Boom. The system should provide a safe secure anchorage for confined space entry, exit and rescue work. The system should be completely collapsible and portable for advantage of easy transportation. The system should be completely collapsible and portable for advantage of easy transportation. The system should be corrosion resistant. All adjustment should be on key plugs easy to assemble and dismantle without any tools. The rated capacity in terms of working load should be more than 200 Kg. The complete system should have compliance of European standard or should have certification from NABL approved Lab for safety factor.

		<p>Tendered should supply ascending descending device/winch, accessory handle, rope, rescuestretcher and Full body Harness along with system. Ascending descending device/winch shouldwork on principle of wrap or contract friction. Ascension handle should be made up of light forgedaluminium Alloy. The handle grip should be comfortable with thermal insulation. Rope should be made of polyamide. The breaking load of rope should be more than-24 KN (with out end connection) and more than-18 KN (with end connection). The rope diameter should be 9 mm to 12 mm only. Rescue stretcher should be made up of Fibre/Light weight Aluminium Alloy. It should be in bucket shape with sufficient number of straps to hold casualty. It can be liftedvertically up & down. Full body Harness should be complied with EN 361/ 358.</p>	
42	COMBINATION CUTTER	Purpose	No.

Combination tools are double acting hydraulic tools primarily for cutting and spreading but may be used, with suitable attachments as necessary for pushing, pulling and pressing or squeezing. They are used for rescue work following vehicle, tanker or rail accidents, in factories or construction site accidents and in natural disasters particularly for collapsed shelter search and rescue. Although specialist and heavier individual function cutters and spreaders are available combi-tools offer a solution providing multiple functions in a single piece of equipment and its versatility makes it useful in post disaster rescue work.
Scope of Supply Each Kombi tool set will be supplied with a power unit and accessories and spares indicated later.
SPECIFICATIONS OF KOMBI-TOOL
General- The kombi -tool should have a light weight, balanced and ergonomic design with anti slip twist grip handle and safety control. The blades should be made of tempered tool steel. They should be straight, serrated, regrind able and easily exchangeable. The cylinder body and housing could be made of high strength aluminum alloy or equivalent material. Pigtail(s) should be fitted with antikink springs or some form of kink protection, have quick connect couplings and automatic locking.
2. Working Pressure -not less than 630 bars
3. Opening (spreading) width -More than 300 mm

4. Minimum spreading force at 2.5cm from tip of blades -35 KN
5. Spreading force at 630 to 720 bars -More than 100 KN
6. Cutting force at 630 to 720 bars -More than 200 KN
7. Pulling force -More than 50 KN
8. Weight - Not more than 20 Kgs inclusive of Hydraulic oil
9. Standard or equivalent) -More than 25 mm diameter
10. The hoses should be of 10 m length and of different colors , if two hoses are to be used. Factor safety should be of the order of four
11. Operating Temperature -(-) 20 to (+) 55 degrees Celsius.
SPECIFICATIONS OF PUMP
1. Engine type: Four stroke petrol engine
2. Pump type : two stage radial piston or alternative equivalent design with max output exceeding 2 liters per minute.
3. Operating pressure : 630 Bars
4. Fuel tank capacity : Adequate for minimum three hours running
5. Oil tank Capacity : Minimum 2 liters
6. Weight : Not more than 20 Kgs inclusive Hydraulic Oil
7. Operating temperature : (-)20 to (+) 55 degrees Celsius
8. Sound level : Less than # 70 dB at 1 m distance
Accessories to be Supplied :
1. Maintenance set
2. Set of spare blade arms and tips

		3. Toolkit to change blades		
		4. Set of pulling chains		
		5. Set of pulling adaptors		
		6. Carry case for kombi-tool.		
		7. Carry box for power unit.	No.	
43	MULTI CABLE WINCH	The Multi Cable Winch should be required for small rescue work, the 4 to 5 hp rated Motor, which should provide at least pulling power of 5 tons. It should have line retrieval speed not less than 6 meters/minutes at full pull. This compact winch shall complete with handle/mounting system for a class III two inch receiver, hawse fairlead, remote control with minimum 3.6 meters, and free spool clutch and battery cable with mounting kits.	No.	
44	BULLET CHAIN SAW	Carbide Tipped chain saw are petrol engine driven saws designed to cut through different building material like timber, masonry, metal sheet, FRP, PVC etc (not concrete) these are extremely useful for first responder for inspection, ventilation and obtaining access to victim during CSSR and for other tasks relating to extrication and recovery during natural and man made disasters.		
		1 Engine Two stroke, single cylinder, air cooled petrol engine		
		2 Displacement within 100 cc generating power Between 5 to 6.5 Hp		
		3 Engine speed Between 10000 to 14000 RPM at no load		
		4 Chain speed Between 25 to 30 m/s		
		5. Ignition system Guard bar length		

		<p>Electronic with easy preferably one button start up(to be specified).</p> <p>16 Inch- one piece construction</p> <p>6 Cutting Chain Carbide tipped with locking key and solid bullet rake gauge of size 404 pitch .063 Gauge with heavy duty tie straps and tempered rivets. Fully automatic and adjustable chain lubrication system. Automatic chainbroke system for quick stoppage when required.</p> <p>7 Arrangement for adjusting chain tensions should be available.</p> <p>8 Provision for setting Should have provision for setting and adjusting depth of cut.</p> <p>9 Operator Safety and comfort Full wrap handle and arrangement for reducing vibration to be specified.</p> <p>10 Weight Within 12 kg</p> <p>11 Noise level Less than 110 dB @ 1 meter</p> <p>12 Depth of cut 6 to 8 “</p> <p>13 Fuel tank capacity 0.70 to 1 liter</p>	No.	
45	DIAMOND CHAIN SAW	<p>GENERAL</p> <p>Diamond chain saw suitable for cutting reinforced concrete at least 300 mm thickness and with built in reinforcement up to 12 mm dia. Masonry bricks natural stone or other similar Material.</p> <p>1. Engine – 2 stroke petrol driven air cooled power shall be not less than 5 H.P.</p> <p>2. The starter shall be shielded from the dust & water. It shall have electronic ignition protected from water and single spring clutch proofed from water and concrete.</p> <p>3. Fuel capacity : 01 litre (Approx)</p>		

		<p>4. The noise level should not exceed 105 dB at 01 mtr.</p> <p>5. It shall be fitted with diamond chain, which run over the guide bar. The chain saw shall be capable of cutting RCC up to 360 mm thick and iron rod up to 12 mm dia.</p> <p>6. The water supply required by the chain while cutting shall not exceed 10 lts/Min.</p> <p>7. The chain saw shall also be provided with measures/Attachment for reducing the force required during cutting operation in order to reduce fatigue on operator.</p> <p>8. It shall also be provided with foam covered full wrap handles, momentary contract on off switch, water pressure gauge, 360 degree swivel hose connector, sprocket side cover and guardflap for operator safety.</p> <p>9. Weight : Not more than 20 kgs.</p> <p>10. Cutting rate :- 10 to 25” per min or more.</p> <p>TECHNICAL EVALUATION/INSPECTION</p> <p>The technical para meter specified above shall be checked at the time of inspection. The supplierat his cost shall provide all tools/Eqpt/materials and facility required for testing inspection.</p> <p>ACCESSORIES:-</p> <p>1. A spare diamond chain.</p>	No.	
46	REPLACEMENT 16” DIA DIAMOND TIPPED BLADE	<p>DIAMOND TIPPED BLADE</p> <p>1 Diamond blade</p> <p>2 Blade RPM – above 4000-5500.</p> <p>3 Diameter 16’</p> <p>4 Minimum cutting of depth of 100 mm.</p>		

		5 Type of blade- Multipurpose (For cutting concrete, metal bulletproof glass, wood).		
		6 Internationally certified on quality standards.	No.	
47	OXY GASOLINE CUTTING TORCH (PETROGEN GAS CUTTER)	<p>01 Portable cutting torch systems shall be used by everyday liquid fuels like gasoline, diesel, andkerosene. These liquid fuels, portable system packages, provide operators with theopportunity to reduce operational safety hazards, take advantage of greater performancecapabilities, and reduce operational costs. The portable cutting system shall be rugged, fieldcutting torch system that provides operators with all the components necessary to contactrapid hot cutting operations. Ideal for rescue or tactical use, these robust tools offers the samemassive power and performance as the largest industrial system, but with a small footprint.</p> <p>It slices through the steel like knife, jumping air gap, cutting through layers,punching deep holes in seconds. It cuts everything from thinnest steel up to 14 inches.</p> <p>02 SAFETY</p> <p>Automatic shut-off</p> <p>Gas cutter head and tips shall be produced a refrigeration (cold) effect.</p> <p>03 PERFORMANCE</p> <p>I. Multi-layer cutting efficiency.</p> <p>II. Allows cutting where optimal position is not possible.</p> <p>III. Higher level of oxidation.</p> <p>04 The flame temperature of the gas cutter ranges not less than 5000 degrees Fahrenheit (forceful flame).</p>		

		<div>05 Oxygen fuel cutting system should be such that completely filled oxygen cylinder and fuelCylinder should be able to cut at least 2 inch thick steel for more than 90 min.</div> <div>06 The package shall include a trans-fill cable for field expedient filling of the jumbo-D bottlefrom a large bottle, as well as a adapter to allow operators to use medical oxygen bottles.</div> <div>07 Comprising of main components as under:</div> <div>(A) Liquid Fuel Torch (20 inch, 90 degree)</div> <div>(B) Cutting Tips (0, 81, & 83)</div> <div>(C) Liquid Fuel Hose (20 foot)</div> <div>08 OXYGEN HOSE (WHIP LINE - 20 FOOT)</div> <div></div> <div>i. Liquid Fuel Tank (2 quart)</div> <div>ii. Fuel Quick Disconnects</div> <div>iii. Oxygen Quick Disconnects</div> <div>iv. Oxygen Flashback Arrestor</div> <div>v. System to be supplied with Oxygen Cylinder</div> <div>vi. Medium Duty Oxygen Regulator (CGA 540)</div> <div>vii. Heavy Duty Igniter</div> <div>viii. Carry Case with Bracket</div> <div>ix. Filler Pigtail</div> <div>x. Medical Yoke Adapter</div> <div>xi. Spare Parts Kit</div> <div>xii. Tool Kit</div> <div>xiii. Adjustable Wrench</div> <div>xiv. Welding Gloves</div> <div>xv. Safety Glasses (Shade 5)</div> <div>xvi. Approved UL Certified</div> <div>No.</div>		
48	ROTARY RESCUE SAW	<div>S/N TECHNICAL SPECIFICATIONS</div> <div>1 Minimum 60 CC, 2 stroke petrol driven engine.</div> <div></div>		

2 Air cooled engine.
3 Minimum Output Power up to 4 HP at 9000 Motor RPM.
4 With Adjustable blade guard.
5 RPM above 4000-5500
6 Provision of wet cutting of materials by providing connection with water line.
7 Accelerator lock is preferable for continuous use and safety inter lock must be provided.
8 It should be capable of running 16" Dia blade.
9 Minimum cutting depth = 100mm.
10 Fuel tank capacity = 0.8 ltr to 1.2 ltr.
11 Should be capable of cold manual pull cord start.
12 Noise level should be less than 120 db in one Mtr. around the equipment.
13 Ignition = Electronic type.
14 Should be provided with choke arrangement.
15 Machine holding handle should be rubber coated/robust cutting providing cushion for getting good grip.
16 Weight not more than 20 kgs with blade and full tank fuel.
17 With rugged protective carry case.
18 Rust Proof
19 International certificate on product quality.
20 ACCESSORIES.
a Diamond Tipped blades (Spare) carbide tipped type blade and abrasive blade.
b 5 liter fuel container.
c Spare air filter.
d Pressure water tank with capacity of minimum 8 ltr along with 5 mtr rubber pipe.

		e Complete tool kit.	No.	
49	RAMSET WITH MATCHING FOOT PUMP	Purpose		
		RAMs are hydraulic tools used for pushing apart andstaying two masses of material in order to create spacefor extrication of victims following vehicle crashes,earthquakes or rail and industrial accidents. They canbe single or multistage (telescopic) and operated byhydraulic pumps which may be based on IC enginepower or on hand/foot pumping. The oil from the pump is used with either a two hose connection to the RAMor by a single hose with two concentric chambers.		
		Scope of Supply		
		Two stages telescopic RAM with foot pump.		
		RAM support		
		Maintenance set		
		Specifications		
		Max. Working pressure : 630 to 720 bar		
		Max. Spreading force		
		1st plunger ;>20 t		
		2nd plunger :> 8 t		
		Length retracted : < 60cm		
		Total stroke :> 70 cm		
		Max. Length (incl. Cross heads) :<130 cm		
		Weight, ready for use : <20 Kg		
		Temperature reach : -20C + 60C		
		Safety factor		
		Tool, hydraulic 2		
		Safety factor extension hoses 4		
		Accessories		
Spare hose(s) (not less than 2 mtrs)				
Maintenance set				

		Cross head		
		Ram support		
		Specifications of Hand pump		
		Operating pressure : 630 bar to 720 bar		
		Weight (ready for use) : 11.2 kg		
		Temperature reach : -20 + 60 C 0		
		AccessoriesMaintenance setStandards		
		Equipment must conform to prEN 13204 and/orNFPA 1936 standards for hydraulic tools		
50	HYDRAULIC JACK 10/20 TONS (WEDGE JACK TOE JACK)	TECHNICAL SPECIFICATION	No.	
		WEDGE JACK		
		Working Pressure 700-750 bar		
		Lifting Height 50mm Minimum		
		Insertion height Not more than 14 mm		
		Spreading Force 20T or more		
		Wedge angle 150 Min		
		Weight, ready for use Not more than 15 Kgs		
		TOE JACK		
		Insertion height toe Not more than 60 mm		
		Low cap height More than 12”		
		Stroke 250 mm Minimum		
		Maximum lifting Force at the center 12 T Minimum		
		Maximum lifting force On the toe 10 T Minimum		
		Temperature reach -200C + 600C		
		One Hydraulic foot pump along with 10 meter hose matching with Toe Jack and Wedge Jack is also required.		
51	AIR PLASMA CUTTING MACHINE	Best quality	No.	
52	CHAIN SAW (36”)	Petrol engine operated	No.	

53	CHAIN SAW (50”)	Petrol engine operated	No.	
54	ROTARY DRILL BIT (DIA-200 MM, 10” LONG)	Bit type: Metallic bits used for drilling in concrete,metal Bit length : 25.4 Cms& 46 Cms. Bit diameter : 14 mm &18 mm Compatibility : Compatible with Rotary HammerdrillEquipment. The distance between the centre of diameter andcentre of rod shall not exceed 0.8 mm. The eccentricity between shank and rod shall notexceed 0.8 mm. Material – high tensile steel. Hardness – 230 to 340HV.	No.	
55	KEYHOLE SAW WITH SET OF FOUR SAWS	SPECIFICATION OF KEY HOLE SAW WITH COMPLETE SET(BIS/DIN/EN/IS or EQUIVALENT) a) Saw blade type: Metallic high tensile steel used for wood &metal cutting. b) Saw use: It is a flat blade used in combination with normal bit & having tips as cutting edge, having a centre hole to insert the drill bit. c) Saw blade diameter: Complete set of 04 saws of dia 2.54 Cms , 5.08 Cms, 7.62 Cms, and10.16 Cms. d) Compatibility: Compatible with Electric drill equipment.	No.	
56	RECIPROCATING SAW (BLADE METAL L-150MM,24 TPI)	(BLADE METAL L-150MM,24 TPI)	No.	
57	RECIPROCATING SAW (BLADE WOOD L-240 MM,5 TPI)	BLADE WOOD L-240 MM,5 TPI	No.	
58	DIAMOND TIPPED BLADE (DIA-300	DIA-300 MM	No.	

	MM) FOR ANGLE CUTTER		NO.	
59	COMPOSITE BLADE METAL FOR ANGLE CUTTER (DIA-300 MM)	DIA-300 MM		
60	WOODEN PLANKS 5MX100MMX100MM	The wood should be of Shal / Sesam, which can withstand the heavy load. This shall be free from natural defects, knots, cracks etc. shall be in sound condition.	No.	
61	GALVANIZED METAL TUBES	Steel Tube, tabular and other wrought steel fitting conforming to IS: 1239 (pt.1)/2004.	No.	
	CSSR POWER TOOLS			
62	CHIPPING HAMMER MEDIUM WEIGHT (08-12 KGS)	S.N TECHNICAL SPECIFICATION PICTURE OF EQUIPMENT 01. With adjustable bits 02. Chiselling impact rate – 900 to 1900 bpm 03. Single impact force – 15J to 25J 04. Power input:- 1000 w – 1900 w 05. Weight:- 08 to 12 Kgs (can be easily Operated by single rescuer on all type of site and at all angles) 06. Voltage required – 220V-240V 07. Light in weight, Shock proof body with required accessories, lubricant & electric cord of equipment not less than 4 mtr in length with 10/15 Amp 3 pin convertible in to 2 pin plug. 08. Equipment must have dust seal to protect from entering of dust inside the machine. 09 Eqpt. Should be certified from national BSA/international (EPTO) agencies. 10. Noise level :- not more than 120 Db. 11. Easy to operate SUITABLE on/off SWITCH.		

12. Equipment must have active vibration absorbing system (AVAS). And should fulfil adequate safety norms as per international standard.
13. Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Greece, spare EAR plugs, dust cap.
(a) CHIPPING HAMMER BIT FLAT
S.N Technical Specification
a Bit length not less than 28 cm & 41cm
b Bit diameter should match with the size of bit
c Material high tensile steel.
(b) CHIPPING HAMMER BIT POINTED
S.N Technical Specification
a Bit length not less than 28 cm & 41cm
b Bit diameter should match with the size of bit locker of the equipment
(B). CHIPPING HAMMER HEAVY WEIGHT (25-30 KG)
TECHNICAL SPECIFICATION
01. With adjustable bits
02. Chiselling impact rate: – More than 800bpm.
03. Single impact force – 45J or more
04. Power input:- 1500 w – 2000 w
05. Weight:- 25 to 30 Kgs
06. Light in weight, Shock proof body with required accessories, lubricant & electric cord of equipment not less than 4 mtr in length with 10/15 Amp 3 pin convertible in to 2 pin plug.
07. Equipment must have dust seal to protect from entering of dust inside the machine.
08. Adjustable auxiliary handle.

No.

		<p>09 Equipment Should be certified from national BSA/international (EPTO) agencies.</p> <p>10. Easy to operate on/off slide switch, mode selector switches etc.</p> <p>11. Equipment must have active vibration absorbing system (AVAS). And shouldfulfill adequate safety norms as per international standard.</p> <p>12. Equipment must be supplied with two (one flat & one pointed tipped) spare bits.Including standard Greece, spare Ear plugs, dust cap.</p> <p>13. Protective/Carrying/Housing case should be made up of hard durable plasticmaterial. And should be designed that it fully protects the eqpt from gettingdamaged and for easy handling of eqpt during transit.</p> <p>14. Noise level :- not more than 120 Db.</p>		
63	BREATHING APPARATUS SET WITH SPARE CYLINDER	<p>1. GENERAL: The self contained, Positive pressure and open circuit air breathing apparatus shall be certified for use by the fire fighters for use by the fire fighters for 45 minutes total workingduration.</p> <p>2. TECHNICAL SPECIFICATION:</p> <p>a) Back Plate and Body Harness: This shall be made of non-metallic, antistatic, impact,chemical & fire resistant material and ortho TECHNICAL EVALUATION:</p> <p>b) The technical evaluation of the SCBA shall be subjected to the following:-</p> <p>a) Meeting the requirement as mentioned from SI No. 1 TO 3 above.</p>		

b) Designed in conformity to EN/DIN/US/BIS 10245 standards, conformity certificate andCCOE certificate to be submitted along with the offerpedic ally designed andmanufactured in conformity to EN/DIN/US/BIS 10245 standards and certified for use bythe fire fighters, It shall facilitate mounting of air cylinder through cam lock. The bodyharness shall be wearer friendly and safe for carry king load while all buckles shall bequick release type.
b) Pressure reducer: This shall be so designed so as to meet the air demand for two users simultaneously at a stable pressure on the outlet with inlet pressure varying from 300 bars to20 bars and shall confirm to provisions in pr EN 137-2002 class II.
c) Face Mask: The shall be reverted edge seal type and made of flame resistant material
confirming to EN 136. The reflex seal on the outer mask shall be so designed so as to facemaskto reduce dead space, speech transmitter for clear voice reproduction and a wide angle panoramic vision visor made of Polycarbonate material and shall e self - de- misting type. Thehead straps shall be easy to tighten and quick to release.

d) Demand valve: The lung operated demand valve design shall either be titling diaphragm type or piston type. This shall be provided on the facemask and connected o the pressure reducer with the help of rubber hose through quick connector. The demand valve shall be rated forminimum 500 Lpm airflow and shall activate with the first breath.
e) Pressure gauge: This shall be bourdon pressure gauge with luminescent dial with reassurement in bar and encased in fire resistant rubber cover. The gauge shall be connected topressure reducer through non-metallic rubber hose.
f) Hoses: The low pressure hoses shall be flexible and non-kinking type and suitably reinforced to with stand 30 bar air pressure while the high - Pressure hoses shall either be flexible or rigid metallic tube suitably secured to the back plate so as not to obstruct the movement of the wearer.
g) Warning Whistle: This shall be fitted either on the back plate or provided along with the pressure gauge assembly and shall be automatic in operation giving audible alarm ofminimum 90 dB intensity at 1 meter distance of low cylinder pressure in the range of50+ 5 Bar.
h) 'Y' manifold for additional connections: This set shall have provision through suitablyplaced ' Y' manifold to facilitate receiving air from a different source and supplying air foradditional facemask.

No.

		<p>i) Air Cylinder: This shall be corrosion and impact resistant and made of light alloy fully wrapped. The size of the cylinder shall be such that it can hold sufficient quantity of air [Notless than 1800 litres] for providing 45 minutes total working duration when charged at 300 barspressure. The cylinder shall be provided with cross flow valve and EN 144+2 compliant. Thecylinder shall be duly approved by the Chief Controller Explosive Nagpur and shall be capableof withstanding a minimum hydraulic testing pressure of 450 bars.</p> <p>j) Weight "The weight of the ready to use set shall not be more than 12.5 kgs.</p> <p>3. APPROVAL: The complete set shall have relevant EN or equivalent approval and certificate to this effect shall be furnished along with the offer.</p>		
64	LEAK TESTER FOR TESTING RESPIRATORY EQUIPMENT	Best quality	No.	
65	DISTRESS SIGNAL UNIT	<p>1. Size Small and compact that could be attached to thewaist belt with on/off key.</p> <p>2. Audio output Not less than 90 Db at 3 meter distance</p> <p>3. Led indicator Green LED show unit is on and Red LED to showwhen unit has raised distress alarm.</p> <p>4. Battery Compatible with Distress Signal Unit</p> <p>5. Stand by Battery nlife Minimum 100 hrs stands by life after full charge.</p> <p>6. Distree Alarm Not less than 2 audio signals per second at full noiselevel.</p> <p>7. Weight Not more 350 Gm</p>	No.	

		APPROVAL		
		The distress Signal Unit shall carry national/international certification for use by the emergency service personnel		
66	FIRE PROXIMITY SUIT	Best quality	No.	
67	ROTARY HAMMER DRILL 620 W, 4850 IMP/MTR, 870 RPM	SPECIFICATION OF ROTARY HAMMER DRILL (BIS/DIN/EN/IS or EQUIVALENT) Picture of Equipment Voltage - 220 – 250 V Power input – 600 W - 800 W Impact rate (ipm) – 0-4000 or more Chisel adjustment - 36 position (min.) With Mode Selector Switch for Drilling / Chiselling or Both selection Noise Level : <100 db Light weight, shock proof body electrical cord of not less than 5 mtr. in length with 5 amp three/two pin plug. With compatible Drill Bit Of 30 CM length - 2 Nos With suitable Protective carry case.	No.	
	RECIPROCATING SAW 600W, 2600	Technical specification		
68	ST/MTE, L-28 MM	1. Rated power:- Not less than 900 watt at 220 - 240 volts		
		2. Stroke rate (at no load): Not less than 2700/min.		
		3. Stroke length : Not less than 28 mm		
		4. Cutting depth(wood)- Above 165 mm		
		5. Cutting depth(steel sheet) – More than 20 mm		
		6. With required accessories and electrical cord of minimum 5 mtr length with 5 amp three/two pin plug along with an extension cord of 10 Mtr.		
		7. Rate current- Not more than 6 amp		

		RECIPROCATING SAW BLADE METAL CUTTING		
		1. Blade type – Metal blade of bi-metal blades have a teeth of high speed steel and body material out of high carbon steel used for metal cutting		
		2. Blade length- Not less than 150 mm.		
		3. Compatibility- Compatible with reciprocating saw equipment		
		4. TPI- Not less than 09 tooth per 2.54 cms		
		5. Blade width- Not less than 16 mm		
		6. Thickness- Not more than 1.6 mm		
		7. Material – The low alloy cold rolled steel strips in hardened, tempered and polished condition having carbon, silicon, manganese, chromium, nickel, sulphur and phosphorus		
		8. Tooth setting – the provision of the rake setting of the tooth shall be at the discretion of the manufacturer.		
		9. Rust proof.		
		10. Marking – The saw blades shall be marked with the size and manufacturers name and trade mark at equal spaced intervals over the bands.		
		11. Internationally certified on quality standards.		
69	CORDLESS HAMMER DRILL	PURPOSE :- Cordless Hammer drills are light weight, battery operated, ergonomically designed power tools that combine high speed, high torque and a hammer action to enable drilling, driving and fastening in metal, steel and wood.		
		SPECIFICATIONS.		

		<p>Operating Voltage: 18 Volts DC. Powered by a NIMH / Li-ION battery orequivalent with a rating of not less than 2.5 (Ah).</p> <p>Max Torque : Not less than 60 Nm or equivalent.</p> <p>Should have at least a two speed transmission with no load speeds of 0-400 and 0-1500 rpm or higher and an impact rate of 0-4500 and 0-18000 blows-per minute (BPM)or higher. The tool should provide a minimum of 10 clutch settings.</p> <p>5 The tool should have a keyless single sleeve not less than 1.27 Cms. chuck withcarbide jaws and a racketing mechanism for easy tightening on bit.</p> <p>6 Carbon brushes should be externally accessible for easy and quick replacement.</p> <p>7 The cordless hammer drill should not be more than 3.25 kgs in weight.</p> <p>8. The tool should be able to metric drill more than 1.27 Cms. In steel, 1.58 Cms. Inmasonry and 5.08 Cms. in wood.</p> <p>9. The tool should be provided with a support handle and both the tool and supporthandle should have soft, vibrationabsorbent grips for operator comfort.</p> <p>10. The following accessories will be provided with each cordless hammer drill set:</p> <p>. One spare batteries (in addition to oneintegral to the drill).</p> <p>. Battery charger, which should fully charge the battery in less than one hour. Twospare bit sets including driver bit. Tool case</p>	No.	
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70	HAZMAT VEHICLE	Best Quality	No.	
71	POWER PACK WITH UNIT TOOL	Best Quality	No.	
72	DISASTER MANAGEMENT KIT	<p>General</p> <p>The Disaster Management Kit is handy and easily carrying toolbox containing multi utility tools/equipment. The disaster management kit should have following tools along with the quantity of each equipment mentioned against each other;-</p> <p>a) Multi Purpose Tools: A set of versatile combination of following tools.</p> <p>i) Axe (Medium) : 01 No.</p> <p>ii) Hydrant Key : 01 No.</p> <p>iii) Spanner Wrench : 01 No.</p> <p>iv) Pry Bar : 01 No.</p> <p>v) Vise Grip : 01 No.</p> <p>vi) Gas shut-off Gear : 01 Set</p> <p>b) Utility Holster: This should be rugged, water resistant.</p> <p>The utility holster should have large front pockets, two elastic loops, Dring and protective cover flap with hook and loop closure to accommodate most of the barrel-shaped mini flashlight.</p> <p>c) Overall chemical Suits (PVC) EN Complaints-03 Nos</p> <p>d) Gloves for rescue job (Soft leather) EN Complaints-03 pairs</p> <p>e) Gloves for handling hazardous-03 pairs Chemical (PVC) EN Complaints</p>	No.	

73	PVC SUITS	The suit is a PVC material, consisting of Coat, Pant and hood with replaceable acrylic visor.	No.	
		This suit clothing is used for protection of the wearer against acid and alkali splashes in chemical, fertilizers and pharmaceutical material.		
		Technical specification:The suit is designed and manufactured of high quality PVC considering comfort of movement to the wearer. The joints are uniformly welded to avoid chemical spilling inside the clothing.		
		Non-metallic buttons or otherwise are provided for total protection to the wearer.		
74	HEAD LIGHT	Purpose of this head light to provide adequate light in the night etc at disaster site so that gas cutting etc. done for rescue operation. Minor caped lamp assembly incorporation led acid type battery conforming to IS : 5679/1986	No.	
75	REFLECTIVE JACKET	a) Description		
		Florescent colour jacket with 50mm glass bead type reflecting tape in 2 vertical and 1 horizontal band in front and back same. Front opening and V neck design.		
		b) Background Fabric 100% polyester. 125 gsm made from bright glossy yarn, adhering to EN 471 standard. It shall have excellent colour Fastness and should be UV treated.		
		c) Colour		
		Florescent reddish-orange/ florescent lime/yellow.		
		d) Reflecting tapes		
		Glass bead type reflecting tape, EN 471 class 2 approved, 50mm wide, color of reflecting tape will be silver grey.		

		e) Accessories		
		i) Binding: - Binding will be black in colour. 100% polyesterfabric will be used in binding with excellent colour fastening.		
		ii) Velcro: - Velcro shall be 25 mm wide and 50mm in lengthpositioned vertically for perfect fastening. The Velcro will beblack.		
		Size: Length 27 inches and width 23 inches.	No.	
76	VENTILATOR & AIR TUBE 7 MTRS LONG	TECHNICAL SPECIFICATION OF VENTILATOR AND TUBE WITH MOTOR		
		A. ENGINE		
		1. Type : 4 Stroke Air Cooled, Single Cylinder		
		2. Displacement : 148 Cms. ± 5%		
		3. H.P/KW/RPM : (3.5/2.6/3600) ± 5%		
		4. Air cleaner : Dual-Clean air Cleaner or better.		
		5. Fuel Tank Capacity : 3.8 liters or more		
		6. Oil capacity : 0.60 liters or more.		
		7. Dimensions :(LxWxH)/mm: (385 x 240 x 400) ± 10%		
		B AIR BLOWER ASSEMBLY		
		1. Impeller diameter : 300 mm ± 10%		
		2. Impeller : Mild Steel.		
		3. Suction : 3600 m3/hrs. ± 10%		
		C COUPLING		
		1. Outside Diameter : 304 mm ± 10%		
		2. Inside Diameter : 300 mm ± 10%		
		3. Thickness : 2mm ± 10%		
		4. Materialofconstruction		
		: Mild Steel.		
		D DUCTING		

		1. Body : Nylon Polyester fabric coated with PVC on both sides.		
		2. Re-enforcement wire : Spring Steel		
		3. Dimension : Suction : I/D (300 mm x 7.5m) ± 10% Discharge : I/D (300mm x 20m) ± 10%	No.	
77	FLOATING PUMP	GENERAL		
		For the purpose of fire fighting and rescue operation light weight, reliable, self priming pump that floats, discharge water @ at least 180 ltr/min.		
		The pump is having suitable cooling system to permit the pump to run continuously and easy to start by one person. The pump is that of centrifugal type and direct coupled to the engine.		
		PUMP AND ENGINE SPECIFICATIONS		
		Casing : Anodized Aluminium		
		Impeller : Bronze impeller		
		OTHER STANDARD PUMP EQUIPMENT		
		Water resistant air cleaner and muffler.		
		ENGINE SPECIFICATION		
		6 to 8 hp or more, air cooled.		
		Recoil starter with handleSolid state ignition		
		Use unleaded gasoline/ petrol and oil mixed		
		Minimum 2 years parts and service warranty		
		Automatic float controlled throttle		
		Compression release valve for easier starts		
		FUEL TANK		
		Appropriate for continuous run of at least 1 hrs.		
		FLOAT ASSEMBLY		
		High Density polyethylene shell filled with polyurethane foam (closed cell)/fiberfloat.		
		WEIGHT		

		Dry weight not more than 30 Kgs	No.	
78	FIRE ENTRY SUIT	Best Quality	No.	
	LIGHTING & POWER EQUIPMENT			
79	INFLATABLE LIGHTING TOWER	<p>This shall be capable to provide instant light as a first responder in shortest possible time to illuminate wide area of approx. 10,000 sq. meters. It shall be light in weight, foldable and portable to be carried in light motor vehicle. It shall be easy to operate by an individual and safe as well as reliable. It shall be supplied with matching generator. It shall not take more than 60 sec to inflate and 03 minutes to achieve its best operating level.</p> <p>Technical Data</p> <p>1) Dimension (folded) : Not more than 580 x 440 x 520mm</p> <p>2) Weight (including generator) : Not more than 50 kg.]</p> <p>3) Total Height : 3 to 5 meters</p> <p>4) Light Sources : 400W metal halide or any suitable source to illuminate 10,000 Sqr meter areas</p> <p>5) Brightness : Not less than 4000 Lumen.</p> <p>6) Time for Max light efficiency : Not more than 3 Min.</p> <p>7) Generator : 4 stroke engine (petrol)</p> <p>Capacity-1200 VA (rated)</p> <p>Fuel consumption-Not more than 1 liter/hr Tank capacity- Not less Than 7 liters.</p>		

		<p>8) Storage box suitably designed to accommodate the tower and otherspares and easy handling. Proper locking arrangement.</p> <p>9) Rain protection cover for generating set and control gear box madeof water proof cloth with air vent arrangement.</p> <p>10) General cover made of water proof cloth to ensure safe storageoutside.</p> <p>11) Wind support suitable stay wire ropes (preferably 3 Nos) which canbe tied to tower (balloon) and grouting hooks in case of extra windvelocity).</p> <p>12) Tool kit necessary tool required for operation of emergency lightingsystem.</p> <p>13) Trolley wooden/suitable material trolley with wheels to move theerect tower within a reasonable distance.</p>	No.	
80	PORTABLE GENERATORS	<p>a) Rated output-2100-2300 Watt</p> <p>b) Maximum output 2400 watt</p> <p>c) Fuel :kerosene/petrol</p> <p>List of items required/Proposed for the up Gradation oftraining institutes/Centers (BIDR BSF Academy)with breaching system</p> <p>d) Rated current : 10.5 amp</p> <p>e) Over load protector for AC & DC earthling</p> <p>f) Other provision : provision for battery charging, pull manualstart facility</p> <p>g) Rated voltage : 220 volts</p> <p>h) Rated frequency-50 Hertz</p> <p>i) DC output- Only for charging 12 volts automotive batteries,</p> <p>Maximum charging output 8.3</p>		

		j) Dimension : (LXWXH) 605mm x 425mm x 550mm (+20%argins)		
		k) Dry weight : 60-65 kg		
		l) Engine type : 4 stroke, 1 cylinder		
		m) Cooling System : Forced air cooling		
		n) Ignition system : transistorize coil ignition		
		o) Oil capacity 1 to 1.5 liters		
		p) Fuel tank capacity : 1to 1.5 liters	No.	
81	PORTABLE GENERATORS (2.5 KVA & 5 KVA)	Rated out put - 2100-2300 watt		
		Maximum Out put 2400-2600 watt		
		Fuel: Kerosene/ Petrol		
		Rated Current: 10.5 amp		
		Over load protector: for AC & DC Earthling		
		Other Provision: Provision for battery charging, pullcord manual start facility		
		Rated Voltage: 220 volts		
		Rated Frequency: 50 Hertz		
		DC out put: Only for charging 12 volts automotive batteries,		
		Maximum charging out 8.3 amp		
		Dimension: (LXWXH) 605 mmx425 mmx550 (+20%argins)		
		Dry Weight: 60 to 65 Kgs		
		Engine Type: 4 stroke, 1 cylindre		
		Cooling System: Forced air cooling		
		Ignition System: Transistorized coil ignition		
		Oil Capacity: 1 to 1.5 Litres		
		Fuel tank Capacity: ` 12 to 15 litres		
		1 Rating 5KVA		
		2 Phase Single		
		3 Frequency 50 Hz (±2)		
		4 Voltage (AC) 230 V (±5 %)		
		5 Voltage (DC) 12 V for Battery charging		

		<div>6 Engine 4 Stroke, Single cylinder Engine Power : 5.3 kw at3000 RPM.</div> <div>7 Displacement 400-450 cc</div> <div>8 Starting System Electric (12V) / Recoil</div> <div>9 Dimension (L x W x H) Maximum 1160 x 660 x 750 mm (+ 10%)</div> <div>10 Cooling Air Cooled</div> <div>11 Weight 230 Kg Maximum</div> <div>12 Fuel Diesel</div> <div>13 Fuel Tank Capacity 15 Liters</div> <div>14 Wheels and Handles Yes</div> <div>15 Low Oil pressure Alert Yes</div> <div>16 PF 0.8pf</div> <div>17 Control Panel Volt, Hour, Ampere, DC Charging</div> <div>18 Safeties Low Lube Oil Protection, Overheat Cutout,Overload</div> <div>19 Engine Should be certified by ARAI</div> <div>20 Generator should comply with latest CPCB Norms</div>	No.	
	COMMUNICATION EQUIPMENT (CSSR)			
82	DIGITAL HAND HELD VHF SET (5 WATT)	Best Quality	No.	
83	SATELLITE PHONE	<div>1 Transmit frequency band 2670-2690 MHz</div> <div>2 Receive Frequency band 2500-2520 MHz</div> <div>3 Antenna polarization LHCP (both transmit and receive)</div> <div>4 Antenna gain 15.5 dB (Min.)</div> <div>5 EIRP of the terminal 18.5 dBW (Min.)</div> <div>6 G/T of the terminal Better than -8.4 dB/K</div> <div>7 Transmit frequency accuracy(Including stability)±2.7 Khz (Max)</div>		

8 Phase noise (SSB) of transmit
Carrier 1 KHz Offset < -70 dBc 10 KHz & Beyond < -80 dBc
9 Harmonics of the transmit carrier
Lower than -40 dB
10 Spurious and noise output in the transmit carrier less than -45 dB (discrete components other than signal spectrum in ± 100 KHz band and less than - 60 dB of the transmit carrier in any 4 KHz band out side selected ± 100 KHz band)
11 Channel Tuning 10 KHz
12 Modulation/Demodulation BPSK
13 Modulation Parameter
Phase imbalance < 3.0 deg
Amplitude imbalance < ± 0.2 dB
Error correction Rate $\frac{1}{2}$ with $=7$, Convolution coding Viterbi decoding
14 Phase Ambiguity Resolution Differential Encoding/Decoding
15 Scrambling /Descrambling CCITT v.35
16 Data Tx. rate 5.4 Kbps (Voice coding rate 4.8 Kbps)
17 BER Better than 1×10^{-6} at E_b/N_0 of 6.0 dB
18 Package A suitable package with carrying case
19 Antenna alignment By signal strength indicator & Magnetic compass
20 Weight of terminal Less than 3.5 Kg. (with carry case & Charger < 4.0 Kg)
21 Power Supply Battery operated with charging option of mains
22 Operating Temp 0°C to +55°C
23 Humidity 95% at 40°C, non condensing

		24 Shock & Vibration As per Transportation level		
		OTHER REQUIRMENTS OF PORTABLE TERMINAL		
		Mss Type –D portable terminal should support DAMA and PAMA selection. It should support signaling andcommunication protocol of ISRO HUB.		
		Battery Charging from main without removing from terminal.		
		Battery replacement should be possible from outside without opening main cover. Battery should sustain forat least 12 Hr. operational (Receive mode) and talk time should be greater than 3.0 Hr.		
		Compass should rugged enough to take care of transportation.		
		Terminal package design be highly reliable for disaster management application.	NO.	
84	DIGITAL MOBILE / BASE STATION (25 WATT)	Best Qulaity	No.	
85	DIGITAL VHF REPEATER SET	Best Quality	No.	
86	PORTABLE SHELTERS (10’X14’)	<p>The portable shelter is designed to accommodate the personnelof Specialist Response Teams, Medical First Aid Assistance,DisasterEquipments, and Triage and for victims of the affected area inthe event of natural disaster.</p> <p>The technical data of the portable shelter should meetfollowingrequirements:-</p> <p>a) The portable shelter should be easy to set up.</p>		

b) It should be simple, no framework and structure should be involved. The integral floor should set the dimensions of the
shelter automatically on set up. Anchoring and guys should keep in place during strong winds.
c) It should be lightweight so that 2 people 2 people can easily lift it.
d) Material should stay clean and dry and shall not absorb spills, improving hygiene.
e) Shelter walls open up from inside if fast escape shall be required.
f) The shelter should be totally weather resistant and keeps the occupants clean, dry and warm in high winds, cold temperatures,
driving rain and heavy snow.
g) The rigid wall panels should be supported significant weight for organizing and storing the possessions of a family in a temporary circumstance with hangers and shelves.
h) The double walled panel should be on insulation 'R' factor of at least 1.4, allowing the shelter should be heated and cooled
efficiently.
i) The white roof section should be allowed ample light transmission, giving the interior an airy and spacious atmosphere.
j) When lit from the inside at night, the material should be opaque enough to give privacy and the shelter interior allow efficient use of the light source.
k) Any flat panel should have a hole or flap cut into it by the occupant for exhaust ducting, water supply lines, drain pipes,

		<div>extra ventilation etc.</div> <div>l) The portable shelter should be repairable easily andpermanently with duct tape.</div> <div>m) Shelter should be moved with whole set up and with interiorcontents in place. This allows easy reorganization of establishedencampments if a road allowance needs to be widened or a drainage ditch needs to be constructed with a change in seasons.</div> <div>n) The material used for the fabrication of shelter should beWheat her proof.</div> <div>o) The weight of the shelter (10'x14'x7) should not be more than60 Kg.</div>	No.	
87	PORTABLE SHELTERS (10’X23’X7’)	<div>General: Portable shelter is designed to accommodate the personnelof Specialist Response Teams, Medical First Aid Assistance,Disaster Relief Equipment, Triage and for victims of the affectedarea in the event of natural disaster.</div> <div>The technical data of the portable shelter shouldmeet following requirements:-</div> <div>a) The portable shelter should be easy to set up.</div> <div>b) It should be simple, no framework and structure should beinvolved. The integral floors should set the dimensions of the shelter automatically on set up. Anchoring and guys Should simply keep itin place during strong winds.</div> <div>c) It should be lightweight so that 2 people can easily-lift it.</div> <div>d) Material should stay clean and dry and shall not absorb spills,improving hygiene.</div>		

e) Shelter walls open up from inside if fast escape shall berequired.
f) The shelter should be totally weather resistant and keeps theoccupants clean, dry and warm in high winds, cold temperatures, driving rain and heavy snow.
g) The rigid wall panels should be supported significant weight fororganizing and storing the possessions of a cagily in a temporary circumstance with hangers and shelves.
h) The double walled panel should be on insulation 'R' factorof at least 1.4, allowing the shelter should be heat and cooledefficiently.
i) The white roof section should be allowed ample lighttransmission, givingthe interior an airy and spacious atmosphere.
j) When lit from the inside at night, the material should be opaqueenough togive privacy and the shale interior allows efficient use of the lightsource.
k) Any flat panel should have a hole or flap cut into it by theoccupantfor exhaust ducting, water supply lines, drain pipes, extraventilation etc.
l) The portable shelter should be repairable easily and permanentlywithduct tape.
m) Shelter should be moved with whole set up and with interiorcontents in place. This allows easy reorganization of establishedcampmates if a road allowance needs to be widened or a drainageditch needs to be widened ora drainage ditch needs to be constructedwith a change in seasons.

		n) The material used for the fabrication of shelter should be weatherproof.		
		o) The weight of the shelter (10' x23' x7') should not be more than80 Kg.	No.	
	MFR & AMBULANCE EQUIPMENT			
88	PORTABLE ULTRASOUND MACHINE	1 Should have AC Mains adaptor/battery charger		
		02 It should have in built full alphanumeric keyboard		
		03 Latest technology all-digital Hand Held Ultrasound		
		System suitable for adult &pediatric ultrasound		
		04 Should have broad band frequency Transducer		
		Technology		
		05 Should have B mode, M-mode, Ultrasound Angio		
		06 Should have a very high System Dynamic Range of atleast 125 dB.		
		07 Should have inbuilt rechargeable Lithium Ion Batteryand the system should operate for at least 90 minutes onbattery		
		08 Should have integrated display screen size of at least 5inches		
		09 Should have high frame rate of more than 90frames/sec		
		10 Should have standard calculation package.		
		11 Should have image storage facility for at least 100images.		
		12 Should have cinel memory. Power Doppler		
		13 Should be light weight system weighing less than 4 kgfor hand carrying.		

		<div>14 System should be supplied complete with the following.</div> <div>15 60mm broadband 5-2 MHz curved array for generalpurpose. Abdominal, obstetric.</div> <div>16 and gynecologic applications transducers</div> <div>17 B/W Thermal Printer</div> <div>18 System should have the capability to be upgraded tohigher frequency Broad Band.</div> <div>19 Probe having a frequency range of 4 to 7 MHz forPediatric Echocardiography Applications..</div> <div>20 Application :</div> <div>System should also have the capability to be upgradedto a Linear Broad Band probe having a frequency rangeof 5 to 10 MHz for vascular Imaging</div> <div>21 Upgradeable to Pulsed Wave Doppler Mode,Continuous Wave Doppler Mode of Imaging.</div>	No.	
89	MULTI PARAMETER MONITOR	<div>1. Monitor should have active color Touch screen display with the screen size of at least 12 inches with 6 user selectable waves from to display ECG leads. I,II,III, Avr. Avl, v co2, st Histograms, Resp, Pleth, Mini-trends, OXY-CRG in any ofthe combinations.</div> <div>2. Monitor should have facility to measure NIBP, SPO2, ECG, RESP, 2X Tempand HR for patient size.</div> <div>3. Monitor can store and display Trends of seven lead ST Segment and PVC rate.</div>		

4. Monitor should have advance alarming of ST/AR: Asystole, High PVC/Min.PVC Run Couplets, Bigeminy, Trigeminy, Irregular HR. VT>2, Vtech,VFib/Asystole, ST High//Low (For each of the leads, I,II,III aVR,aVL,aVF,V)
5. Monitor NIBP on technique of Oscillometric measurement and have acontinuous NIBP measurement cycle with intervals of 2,3,5,10,15,30 min,1,2,4hrs.
6. Monitor should have facility of inbuilt SERVICE MODE to enable timely CALIBRATION OF NIBP
7. Should have option to upgrade and measure anesthetic Agents (Selection ofagent:Manual and Automatic both).
8. Should have the facility to upgrade and measure Invasive blood pressure &Invasive cardiac output.
9. Should have to attach thermal printer.
10. Should be facility of Diffib, Synchronization
11. Should have the facility to attach larger size display screen (externally) thruVGA prot.
12. Monitor should have the trends (Graphical& Tabular) storage of last 24 hrs with30 sec of intervals.
13. Monitor should have internal battery with can give backup of at least 2 hrs
14. Should have the capacity to connect 16 bedded central station.
15. Should be upgradable to Anesthetic has monitoring.
16. Monitor shall be confirm US-FDA's & CE

		17. SYSTEMS MUST BE SUPPLIED WITH FOLLOWING ACCESSORIES		
		a). ECG Cable 5 leads -01		
		b). Reusable Adult SpO2 finger sensor -03		
		c). Reusable SPO2 Y Sensor -03		
		d). NIBP Cuff for adult, paed& Neonatal - 1 no each		
		e). Temperature probe -01 no	No.	
90	STRETCHER/SPINE BOARD WITH ACCESSORIES	Spine board- full(long back board):) Dimensions: length: 1830 mm		
		b) Width 420 mm		
		c) Weight: 5 Kg		
		d) Capacity: 200 kg		
		e) CT/MRI compatible and radio lucent		
		f) Material: carbon fibre of fibre glass material		
		g) Separate hand holds and restraint holds with smoothedges for easy and comfortable liftingSpine board(Half)- Rescue Board		
		a) Dimensions: length: 910 mm		
		b) Width: 410 mm		
		c) Thickness: 06 mm		
		d) Weight: 3 kg		
		e) CT/MRI compatible and radio lucent		
		f) Material: carbon fibre or fibre glass materialSeparate hand holds and restraint holds with smooth edgesfor easy and comfortable lifting; minimum 4 on either side	No.	
	DIVING EQUIPMENT (FWR)			
91	PERSONNEL DIVING KIT (DIVING SUIT, BA SET, WEIGHT BELT, GLOVES, DIVE FINS)	Best Quality	No.	
92	PORTABLE AIR COMPRESSOR	1. OBJECTIVE		

MACHINE

Portable BA Compressor is required for the purpose of refilling BA cylinders (300 Bar) for firefighting as well as underwater BA cylinders (200 Bar) for use by NDRFs. The set should be capable to fill 300 bar (10% maximum efficiency).
2. MAIN COMPONENTS OF EQUIPMENT
i) Standard 300 Bar DIN adaptors for charging firefighting BA cylinder and 200 Bar INT adaptor for refilling under water diving BA cylinder.
ii) Immediate and final pressure safety valves and pressure gauges.
iii) Two charging hoses (one each with adaptor for 200 & 300 bar) for refilling the cylinder one at a time.
iv) Repair Kit / Tool Kit.
v) The compressor should be Trolley mounted having sufficient road clearance and wheels locking arrangements so as to avoid movement while during operations.
3. GENERAL DIMENSIONS:-
i) The set should be lightweight, rugged & transportable (with lockable wheels) & weight up to 175 kg.
ii) Operating Pressure 300 to 200 bar and should be able to fill cylinders at 300 bar as well as 200 bar (or any pressure between 300 to 200 bar) by simply selecting/ setting the pressure setting on a pressure switch on the compressor.
iii) Charging rate to be 9 cfm(+/-5%) for standard international filling norm.

4. GENERAL FEATURES :-
i) To be compact, robust, machine should not require any foundation.
ii) Design should ensure minimum wearing of components and ease of maintenance.
iii) The compressor should be oil lubricated using Splash or Pumped lubrication.
iv) Filtration system should be at intake and at final point of use to ensure highest level of purity of air delivered and to ensure that the quality of breathing air is as per EN 12021 or CGA-E or any equivalent international Standard for Breathing Air. The firm should furnish test certificate from Govt. Approved/ international or equivalent.

	<p>v) Provision for full range of automated control devices to monitor both compressor and working conditions should be provided. The compressor should have noise level up to 85dB at 1m distance. The control panel on the compressor should have the START, STOP and EMERGENCY STOP button. The panel should have pressure switch where the user can select level of pressure at which he wants to fill the cylinders. The compressor should stop when desired pressure is reached i.e. the compressor should have the feature of AUTOSTOP. The compressor should also have feature of AUTO DRAIN of the moisture in the system and it should get drained at regular intervals. The disposal of the drain should be pollution free in a tank. The compressor should have inter stage control device and final stage Pressure gauge for the operator to monitor. The compressor should also have OIL LEVEL INDICATOR.</p>	
	vi) Eco friendly condensate collection.	
	vii) Construction to be of modular type.	
	viii) Machine should be electric driven suitable for 3 phase 400-440 V 50 HZ supply.	
	5. SAFETY FEATURES	
	The equipment must have adequate safety features to ensure complete safety during	
	handling.	
	6. SPARES	
	i) Each compressor to be supplied with Spares parts including Two Sets of filter	
	cartridges and one oil refill.	No.

93	HIGH PRESSURE BREATHING AIR COMPRESSOR	Best Quality	No.	
94	UNDER WATER COMMUNICATION SET	<p>Essential Parameters</p> <p>1. Introduction: The equipment should have a carrying case for ease of handling and should be rugged and reliable for continuous use for more than 2 hours and meet the specifications mentioned in the succeeding paragraphs.</p> <p>2. Roll: Wireless communication during diving operations between divers and surface team.</p> <p>3. General: The apparatus should be rugged, lightweight suitable for carrying by single person. The set should comprise of following:-</p> <p>a) Should allow clear voice communication between the surface supervisors and at least 4 divers as well as between the divers.</p> <p>b) The Surface panel should have volume control and squelch facility.</p> <p>c) Communication should be of wireless with a minimum range of 400 mtrs.</p> <p>d) Should be battery powered with an endurance of at least 05 hours before recharge is needed.</p> <p>e) Surface unit should have a head set and microphone. It should also have a hand held mike for supervisor.</p> <p>f) The surface unit should be fully portable.</p> <p>g) The Equipment should work up to depth of 10 mtrs in water</p>	No.	

		<p>4. Supervisor Head Set and Panel:The supervisor headsetshould permit hands free use of the headset on the diving siteand permit free movement in a radius of at least 01 meter on thediving site.</p>		
		5. Scope of Supply: The composition of each WUCS are asfollows:-		
		a) Surface Headset and Microphone -01		
		b) Portable Surface Unit with Transducer and Cable-01		
		c) Diver Receiver with Microphone-04		
		Technical Specification:		
		(a) Weight of Diver Unit Less than 1 Kg + 10%		
		(b) Diver Unit pressure compensated 10 mtrs+ 10%		
		(c) Weight of Surface panel 6 Kgs+ 10 %		
95	UNDER WATER STILL CAMERA	<p>1. ROLE: For use during diving operations for high quality underwater imagerecording.</p> <p>2. MAIN COMPONENTS OF VIDEO CAMERA: The Video System being offered should have following component:-</p> <p>a) Under water colour Video camera.</p> <p>b) Surface Camera Control unit with video colour monitor</p> <p>c) LEDs</p> <p>d) Camera Mounting Brackets</p> <p>e) Umbilical</p> <p>f) Digital Video recorder</p> <p>g) Tool kit</p> <p>3. a) Video camera should work up to depth of 10 meters in water.</p> <p>b) Weight of the Video Camera (excluding surface unit) should not be more than700 gms.</p>	No.	

		c) Umbilical- Outer covering of umbilical should be abrasion resistant. d) Length of the Umbilical should not be less than 50 meters. e) Cable should rugged, neutrally 4. GENERAL SPECIFICATIONS/ CHARACTERISTICS:- a) The video system should have built in digital video recording system, b) The system should have in built power back up for at least 1 hour 5. Temperature Range- The Video Camera should operate between temperature ranges of 400 - 500C . 6. DOCUMENTATION: - Operational and technical manual should be supplied with the eqpt.		
96	UNDER WATER TORCH	1. ROLE: The Hand Held Divers Lamp System is to provide variableintensity lighting to NDR force divers Undertaking Rescue Ops.Essential Parameters 2. GENERAL: The Divers Lamp Search System should berugged, lightweight with low volume suitable for carrying by a singleperson and designed specially for under water work. The torch shouldhave following characteristics:- i) Should have an integrated handle for ease of underwater handling. ii) The Divers Lamp search system should be self contained systemwith its own inbuilt RE-Chargeable Battery Pack. iii) Should be well insulated to ensure that the Diver should not getany electrical shock.		

	<div>iv) Should capable to be used on surface</div> <div>v) Lanyard and carbineer should be provided for attaching it with belt of the diver.</div> <div>vi) Should have a safety/ mechanism to prevent accidental short circuit with the battery during transportation or in storage condition.</div> <div>3. DIMENSIONS</div> <div>a) Nominal Wt of Torch in air should not be more than 1200 gm</div> <div>b) Torch should operate at the depth of 10 mtrs in water.</div> <div>c) Beam - Narrow Beam, Halogen/ Xenon/ LED Bulb of 10 watt to 20 watt with min 400 lux</div> <div>d) Battery Charging Time - Not more than 5 hrs</div> <div>e) Weight in water - Neutral buoyancy</div> <div>f) Batteries Type - Ni Mh/ Ni- Cd Rechargeable</div> <div>g) Torch should work at least 2 hours before recharging the battery.</div> <div>h) Torch should be able to illuminate the object placed under water at 2 meters distance from torch.</div> <div>4. U/W diver Special Forces Lamp each consisting of:-</div> <div>i) Hand Held Lamp with Battery - 01</div> <div>ii) Battery Charger - 01</div> <div>iii) Compatible bulb - 05</div> <div>iv) Lens – 02</div> <div>5. DOCUMENTATION</div> <div>Operational and technical manual should be supplied with the equipment.</div> <div>No.</div>	
	FLOOD WATER RESCUE EQUIPMENT	

97	FRP BOAT WITH OBM (40 HP)	Best Quality	No.	
98	RESCUE BOAT	Best Quality	No.	
99	INFLATABLE MOTOR RESCUE BOAT WITH OBM(SMALL – 10 SEATED)	Best Quality	No.	
100	INFLATABLE MOTOR RESCUE BOAT WITH OBM (BIG -20 SEATED)	Best Quality	No.	
101	LIFE BUOYS	It should be manufactured from durable High visibility orange synthetic material, which requires no maintenance. The Retro reflective Tape used should be Solas approved, which helps to identity victims in distress. Its inner diameter should be at least 45 Cms, and outer diameter should be at least 70 cms. Having width: at least 10 cms. Floatability: more than 17 Kgs.	No.	
102	SYNTHETIC LIFE JACKETS	1. IRS approved 2. High- Visibility Orange colour fabric cover 3. Adjustable buckle for tightening and specially designed with Velcro fitment foreasy/quick donning in an emergency 4. Special construction of the jacket allows the wearer quick turning in case of beingknocked unconscious in water. 5. Chemically resistant to sea water and petroleum products. 6. Retro-reflective tape solas approved. 7. Inner foam: Soft Polyethelene 8. Size : 68x37x10 cms 9. Floatability : 16.5 Kg + 10. Accessory : Whistle 11. Shelf life : 05 years		

		<div>12. Colur : Orange</div> <div>13. Approvals: Life jacket should be IRS approved and stamped, confirming to SOLAS</div> <div>74 as amended Reg III/4,III/7,III/34,X/3, 1994 & 2000HSC codes VIII/8. 1 LSA</div> <div>code Reg I/1.2 and II/2.1.1 IMO Resolution MSC .81 (70) part 1,</div> <div>MSC 200 (80), MSC 218 (82)< MSC 201(81) and MSC 207 (81)</div>	No.	
	MOUNTAINEERING EQUIPMENT			
103	GLOVES LEATHER WHITE LINED	<div>GENERAL For Manufacture Of This ;Eather PreservedSheep,Goat Or Calf Skins Free Frome AdverseGrain Defets, Cuts And Holes Shall Be Used.</div> <div>MATERIAL The lather shall be chrome tanned in eithernatural finish or with white pigment finish andshall be shoft and pliable uniform colour eventhickness smooth feel and compact texture, freefrom fly cuts, grain defects like pock marks, tickmarks, cuts pin holes scratches, perforation,store marks, vulture marks,abrasions etc.</div> <div>FINISH Natural colour finish</div> <div>WATERPROF</div> <div>NESS</div> <div>No material which known to be toxic or harm full to the skin and which may cause dermatitis,chafing or irritation shall be used forwaterproofing white pigment finish with suitable blinder .</div> <div>PhysicalRequirement</div> <div>Thickness range : 0.7 to 1.0 mm</div> <div>Tensile strength : MPa, Min 15</div>		

		Double hole stitch tear strength, KN/m		
		Thickness , Min :44		
		Crankiness of the gain: the grain shall not crack at the double fold when leather is folded with the grain side.		
		Water vapour permeability/m2/h : 20		
		Packing andMarking		
		As agreed to purchaser and supplier		
		Marking Each skin shall clearly and legibly be marked at one corner on the flesh of skin with trade mark,if any size, month and year of manufacture.		
		Length &Width		
		As Per IS : 5914-1970	No.	
104	CARABINEER	General purpose carabineer for mountain ring as per BIS std. is8533 : 1977 reaffirmed-2001.	No.	
105	CANVAS WATER TANK (200 LTRS.)	canvas water bucket is as per IS 8857 : 1989		
		reaffirmed -2001	No.	
106	KEROSENE OIL HEATERS	Best Quality	No.	
107	ROCK PITON	Rock piton is designed to be hammered in to a check inthe rock face and to be used as means of state delayrunning belay or as an artificial aid.(AS per IS : 8905:1987 (Reaffirmed 1996)		
		The piton consists of spike or blade and head having a holeof having a loosely welded ring of such dimension as to follow to passage of one or two carabineers (see IS 8533-1977) specification for general purpose carabineers formountain ring the loads that may be applied to varioustype of pitons depends on their designee and the anglebetween the body pitch and rope belay.		

		<div>TERMINOLOGY :- for the purpose of is standard thefollowing definition shall apply.</div> <div>Piton, Horizontal : pitch on which the direction of the loadon the eye is a right angles to the working adge of thepiton.PITON VERTICAL :_ Piton on which the direction ofthe load on the eye is parallel to the working adge of thepiton.</div>	NO.	
108	ICE PITON	<div>Ice pitons is piece of metal designed to be hammered or screwed inice and to be used as means of static belay running belay or as an</div> <div>artificial aid, the piton consist of a blade or screw and head havinga hole or provided with the hole of such dimension as to allow thepassage of one or two carabineers .specification of general purposepara winner mountaineering the loads that may be applied to various type of pitons depended on their designee and the angle between thebody of piton and rope belay.</div> <div>Material :- steel having following composition of material shall beused for the manufacture of ice piton.</div> <div>Constituents Percent</div> <div>Carbon 0.35 to 0.44</div> <div>Manganese 0.4 o 0.7</div> <div>Silicon 0.1 to 0.35</div> <div>Nickel 2.25 to 2.75</div> <div>Chromium 0.5 TO 0.8</div> <div>Molybdenum 0.4 to 0.7</div> <div>HARDNESS : The Ice pitons shall have a hardness of 350 to 450HV.</div> <div>MANUFACTURE,WORKMANSHIP AND FINISH:-</div>		

	<p>Pitons shall be finished smooth and shall be free from burrs and cracks and other defect. The holes shall be finished smooth to avoid scrapping. The pitons shall be given suitable anti-corrosive treatment.</p> <p>DESIGNATION :- An ice piton shall be designated by commonly used name of size (in case of more than size) and IS number.</p> <p>EXAMPLE :- An ice piton of type D and of nominal size 2 shall be designated follows.</p> <p>TEST : a) Strength of Piton :- A load of 13 kn shall be applied to the piton eye at right angles to the gripping of surface for a period of 5 minutes. The pull shall be applied gradually. On completion of the test the piton shall not show any sign of fracture or permanent deformation.</p> <p>b) Crack test :- Each ice piton shall be subjected to crack detection test .</p> <p>c) Soundness test :- The piton shall be laid flat on an anvil or mild steel block and struck several light blows at different places on the shank with ball peen hammer, 250g. The piton shall have no sign of damage, cracking or fracture on completion of the test. Ice piton D X 2 IS : 8907.</p> <p>MARKING :- Ice piton shall be suitably embossed or marked with acid etching with the manufacture name or trade mark.</p>	No.	
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109	AVALANCHE CORD	<p>This specification covers the requirement of cordavalanche. The cord is intended to be used as an aid to trace the casualty in avalanche operation so that the rescue party could reach the location.</p>		
		<p>The cord shall confirm in every respect to the terms of this specification .in workmanship, finish and in all other respect not defined in this specification. it shall confirm to the sealed sample held in custody of controlling</p>		
		<p>authority.</p>		
		<p>Material :- The core ends of cord shall be made from continuous 140 Tex (1260d) nylon 6 or 66 multifilament yarn of adequate tenacity to give the desired strength and be given heat treatment. The sheath yarn shall be made from nylon (6 or 66) or polyester and shall be dyed with fluorescent dye count/denier of the yarn can be varied suiting to the construction and finish of the cord.</p>		
		<p>Manufacture, workmanship and finish:- The cord shall be in braided construction with core. The core shall be in one continuous length and shall be well formed and free from knots, suborn stains. All constituent yarns of cord shall have proper tension during manufacture so as to obtain uniform diameter with round cross section and appropriate flexibility.</p>		

2) There shall be 10 undyed core ends and 16 dyed spindle ends in sheath. Out of 16 spindles, 14 spindle shall be fast bright yellow colour and 2 spindles of fast bright blue colour. interpolating of sheath, 2 spindles of blue colour shall be put adjacent to each other in group spindles moving in the same direction in order to obtain required pattern of the braiding. The cord shall be smooth in feel and free from slackness of sheath and core looping tendency.
3. The cord shall be tendered in 35m continuous length a length of 3 m from any of the end shall be cut tested for characteristics in clause 5 & 6 below in accordance with the sampling plan mentioned in para 9 in case of lot is found acceptable both the ends of the cord shall be heated sealed. The cords from which 3 m, length has been cut for destructive testing shall be accepted in 32 m length and
length of such cord shall be clearly mentioned by the supplier on the marking level attached indicating that 3m length has been destroyed in testing.
4. in appearance, general workmanship, finish and in any other respect not defined in the specification the cord shall match with the respective sealed sample held in the custody of controlling authority.
CONSRUCTION PARTICULAR particular of card shall be as under.
1. Sheath
a) Count -1260 dx1
b) No of spindles – 16 (yellow 14) (blue -2)

		<div>2. Core</div> <div>a) Count -1260 dx2 (twisted together)</div> <div>b) No of core ends-10</div> <div>The construction details of the cord may be varied to suit the manufacturing condition provided the finish and requirement as given in clause 6 are successfully met.</div>	No.	
110	AVALANCHE ROD	<div>1. Scope : Lays down requirement for avalanche rods mountain ring .</div> <div>2. Nomenclature : As given in fig. 3. Materials:-</div> <div>i) Cone :- Grade 24345 in wp condition IS 733-1983 specification for wrought aluminium and aluminium alloy rods and section (for general engineering purpose) (Third revision)</div> <div>ii) Aluminium pipe :- Grade 64430 in WP condition IS : 736-1977 specification for wrought aluminium alloy drawn tube for general engineering purpose (second revision)</div> <div>iii) Wire Holder :- Grade CuZn 30 Annealed IS 736-1977 specification for wrought aluminium and aluminium alloy drawn tube for general engineering purpose (second revision)</div> <div>iv) LUG :- Grade -64430 in WP condition IS : 736-1983</div> <div>v) Flexible Wire:- steel wire made from 0.3 mm dia galvanized steel wire tensile designation 1770 IS :Specification of round steel wire for ropes (third revision)</div> <div>vi) Aluminium Nut :- Grade 64430 in WP condition IS : 736-1983</div>		

		<div>vii) Steel Hexagonal Nut :- Grade – 11C10S25 nut rolled IS : 4431-1978</div> <div>Specification for carbon and carbon manganese free cutting steel (first revision)</div> <div>viii) Semi- threaded wire holder – Grade CuZn 30 Annealed IS : 4431-1978</div> <div>ix) Semi there'd wire holder :- Grade -11C10S25 nut rolled IS 4431-1978</div> <div>x) ROD :- Grade 1 wire of IS : 16731984 specification for mild steel wire cold heading quality (second revision)</div> <div>4. General requirement :</div> <div>1) The main tube shall be manufacture from suitable tube and shall be initially threaded on own side and plug shall be suitably wanted on theother so as to fit in successive rods. The avalanche rod shall contacts of rods come .</div> <div>2) The spikes shall be suitably for rod.</div> <div>3) The various part of avalanche rod shall be given suitable anti corrosivetreatment</div> <div>6) Mass :- The mass of the contact of 8 rods knobs and point (two) shall be 1400g. max.</div>	No.	
111	ICE AXE	<div>SPECIFICATION REQUIERD FOR THE PRODUCT</div> <div>1. The dimension of leather cover shall be such as to fit thecorresponding ice axe.</div> <div>2. The tolerance on intolerance dimension shall beaccording to best manufacturing practice.</div> <div>MATERIAL AND HARDNESS</div> <div>Head :- steel grade 40 Ni3cr 65 M055 confirming to IS 5517-1987</div>		

specification for steel for hardening and tempering (first revision) the sulphur or phosphorus content shall not exceed 0.05 %. The head shall be evenly hardened and tempered and shall have a hardness of 350 to 450 HV
SPIKE :- steel 40 Ni3Cr65M055 of IS:5517-1978.The spike shall be evenly hardened and tempered to hardness of 350 to 450 HV.
FERRULE :_ Steel type of D IS 513 1986 specification for coldfilled low carbon steel and strips (third revision)
HANDLE :_ Ash or high and medium density wood based laminated conforming to type V of IS :3513 (Part3)-1966
specification for high and medium density wood based laminates(compare) part general purpose.
THONG (COMPLTE WITH RING) : Thong from nylon tape with a minimum breaking strength of 1900 N (190kg) and ring from steel C14 of IS : 1570- 1961 schedules for wrought steel for general engineering purpose.
COVERS : leather buffalo curried.
RIVETS :- shall confirm to IS :2155-1982 specification for cold forged solid steel rivets for hot closing (6 to 16mm diameter)first revision.
MANUFACTRE :
HEAD :- The head shall be soundly forged in one piece. The rivets holes shall be countersunk to receive the rivets heads. The serrations on the pick shall be subjected to crack detection testThe rivets shall be securely clichéd and shall be finished flushwith surface straps.

		<p>SPIKE :-Forced in to the taper at the bottom of the handle. The spike shall be forced into the taper at the bottom of the handle after fitting the ferrule so that the spike shall be tight fit thorough the length of shank without splinting or weakling the handle.</p> <p>FERRULE :_ The ferrule shall be either solid drawn or brazed or weded. The larger end of the ferrule shall be reasonably flushedwith the handle after fitting with outwreakeing the handle at this point to achieve this undercutting of he handle may be avoidedand at the broad end the inside of the ferrule may be given a small radius. The ferrule shall be further secured to the handlewith screw. The ferrule shall be tight fit and shall be driven on theend of the handle before inserting the spike.</p> <p>HANDLE :- The blank for the handle shall be quarter sawn andfree from defects. The timber shall have a growth rate of 4 to 10rings per 25 mm measured radically and the proportion of the summer wood to spring wood shall be not less than 50% percent(The timber ash meeting these requirement is expected to have adensity of more than 0.65 per cubic centimeter at 15 % moisturecontent. The timber shall be straight grained and the maximuminclination of grain and fiber shall not exceed 1:2 and shall be properly seasoned to a moisture content of not less than 10 % and not more than 15%</p>		
112	GENERATOR SET (2.5 KVA)	Best Quality	NO.	
113	SLEEPING BAG	Size: Regular (suitable for heights between 175 cm-190 cm)	No.	

Color: Dark
Type of Sleeping Bag
according to EN13537
standard
Type B:3-Season Bag
Weight 1.00-1.5 KG
Insulation Synthetic fill, non-allergic;
Outer shell 100% polyester, inside min. 50% cotton, anti-carcinogen, anti-allergicMaterial. Outer shell should be treated with a durable water repellent(DWR) finish.
Additional Specifications Pouch for sleeping bag: storage/transport should not have long strings/cords.
There should not be any string/cord on the product. Zippers andVelcro are acceptable. Use of anti-carcinogen and anti-allergicmaterials is imperative.
If any items use a string/cord, it can be removed by your companybefore delivery. This may be an acceptable alternative but it must bespecified in the technical proposal, explaining any negativeimplications of the removal of the string/cord to the functioning ofthe product.
Packing Instructions The label for each piece shall consist of composition details andwashing instructions. Each piece must be packed in soft, waterproofmaterial with zip lock or Velcro, no long strings/ cords, in dark colourwith logo imprint on the corner of the sleeping bag. Approximate

		<p>size: 37.5 cm x 15.5 cm x 11.0 cm. The pieces in the primary packing should then be placed in a carton box. The carton boxes shall be palletized and stretch wrapped Other The offer can consist of several manufacturers/ models/products as long as they all meet the specifications required.</p> <p>Spray rating of outer cloth 80 Minimum</p> <p>Temperature range (-) 16 degree C Minimum</p> <p>Shape of the Bag Rectangular with hood</p> <p>Width size of bag 70-75 cms</p>	No.	
114	GROUND SHEET	JSS: 7210-10-Dec 1982 for fabrication IS : 6110/1983amdt.1 & 2, Quality -1,Grade A for double textured rubberized water proof fabric. IS : 1544-1973 amdt 1 to 3,for basic calico fabric .	No.	
115	RUCK SACK	<p>a) Adjustable back system with frame.</p> <p>b) Large main compartment.</p> <p>c) Bottom compartment</p> <p>d) Front loading system</p> <p>e) Water proof with rain cover.</p> <p>f) Made from high quality of polyester.</p> <p>g) Easy access to adjust all gears</p> <p>h) Total weight of rucksack up to 02 Kg;</p> <p>i) Padded shoulder straps</p> <p>j) Aluminum frame weight up to 01 kg</p> <p>k) Thermo formed HIP belt with flexible suspension.</p> <p>l) Volume - 70 ltrs</p> <p>m) Ht. of Rucksack - 70 to 95 cms.</p> <p>n) Width of Rucksack - 35 to 37 cms</p> <p>o) 1 ZIP top LID pocket - size 13 1/2 x 6" x 3"</p> <p>p) Side pockets -04</p> <p>i) Size of upper pocket (2) = 11 1/2 x 6" x 3"</p> <p>ii) Size of lower pocket (2) = 6" x 6" x 3"</p>		

		q) 2 side straps on upper side pocket of 2 to 3 cm width for support		
		r) Colour: any	No.	
116	TENT MEDIUM ARCTIC	Best Quality	No.	
117	COAT PARKA	Best Quality	No.	
118	ROPE CLIMBING/RAPPELLING	Best Quality	NO.	
	OPERATIONAL UNIFORM AND CT&S ITEMS			
119	JERSEY BLUE (WOOLEN)	Best Quality	No.	
120	WATER PROOF JACKET	Best Quality	No.	
121	WATER PROOF TROUSER	Best Quality	No.	
122	T-SHIRT (COLOR-ORANGE)	Best Quality	No.	
123	TRUNK WEAR (BERMUDA)	Best Quality	No.	
124	RUBBERIZED SANDAL WITH STRAPS	Best Quality	No.	
125	DUNGAREE (COLOR- ORANGE)	Best Quality	No.	
126	STEEL FOLDING COTS	Best Quality	No.	
127	STEEL TRUNK	Best Quality	No.	
128	SHIRTING CLOTH ANGOLA (IN MTR.)	Best Quality	No.	
129	COAT COMBAT	Best Quality	No.	
130	BLANKET WOOLEN	Best Quality	No.	
131	COTTON BED DURRIES	Best Quality	No.	
132	GROUND SHEET	Best Quality	No.	
133	TENT EXTENDABLE 4 MTR	Best Quality	No.	
134	TENT EXTENDABLE 2 MTR	Best Quality	No.	
135	TARPAULIN 4M X 4M	Best Quality	No.	
136	TARPAULIN 6M X 6M	Best Quality	No.	
137	HARD TOE STEEL SHANK BOOTS, HARD TOE (RESCUE) STEEL SHANK	Best Quality	No.	

138	WATER BOTTLE (LIGHT WEIGHT WITH PROTECTIVE CARRIER ELEMENT)	Best Quality	No.	
139	BOOT CLIMBING	Best Quality	No.	
	EQUIPMENT AND CLOTHING FOR FOREST FIRE			
1	HELMET WITH FACE SHIELD	Best Quality	No.	
2	SAFETY GLASSES/ GOGGLE	Best Quality	No.	
3	FIRE MASK/RESPIRATOR	Best Quality	No.	
4	FIRE PROXIMITY/RESISTANT SUIT(JACKET,TROUSERS,BOOTS,GLOVES)	Best Quality	No.	
5	HYDRATION PACK 5 LTR	Best Quality	No.	
6	MULTIFUNCTIONAL TOOL	Best Quality	No.	
7	FIRE BEATER/FLAPPER	Best Quality	No.	
8	RAKE (ARROW TYPE/NAIL TYPE/PEG TOOTH TYPE)	Best Quality	No.	
9	FIRE BROOM (JHAPA)	Best Quality	No.	
10	FLASHLIGHT (HIGH BEAM)	Best Quality	No.	
11	WIND METER	Best Quality	No.	
12	PATHAL(MODIFIED SICKLE)	Best Quality	No.	
13	TOOL KIT BAG	Best Quality	No.	
14	PORTABLE WATER TANK (COLLAPSIBLE)	Best Quality	No.	
15	FIRE HOSE 30 METER	Best Quality	No.	
16	LEAF BLOWER	Best Quality	No.	
17	DRIP TORCH	Best Quality	No.	
18	FIRE FIGHTING HOSE	Best Quality	No.	
19	BRANCH PIPE VARIABLE FLOW (LIGHT WEIGHT)	Best Quality	No.	
		Best Quality	No.	
20	PULASKI TOOLS	Best Quality	No.	
21	INFLATABLE RECTANGULAR TENT 7.5 MTR X 5.5 MTR	Best Quality	No.	

22	CHAIN SAW (BATTERY OPERATED)	Best Quality	No.	
23	FIRST AID KIT	Best Quality	No.	
24	Avalanche Airbag	Size-S/M ,M/L	No.	
		Color - BLACK ,TAN ,GREEN		
		Activity		
		Ski /Snowboarding,Snowshoe /Uphill/ Skimo		
		Categories		
		Avalanche Airbags		
		Volume		
		1,891 cubic inches / 31 liters (with E2 system)		
		2,136 cubic inches / 35 liters (without E2 system)		
		System		
		Alpride E2 supercapacitor system with 150-liter airbag		
		Material - PU Coated Nylon 420d Ripstop PU Coated Nylon 210d Double Ripstop Lining -100d RobicDynatec WR Pux2		
		Zippers - YKK Zipper with DWR Coating		
		Weight		
		6.1 lb / 2,792 g (with E2 system) 3.6 lb / 1,651 g (without E2 system)		
		Torso Length - S/M,M/L		
		Torso Size		
		S/M: 15" - 18" / 38.1 - 45.7 cm M/L: 17" - 21" / 43.1 - 53.3 cm		
		Airbag Technology		
		Float E2 Airbag		
		Volume / Bag Size - 30 to 35L	No.	
25	Snow Study Kit	Size1SZ		
		Categories		
		Snow Study Tools		
		Includes		

		Durable fabric carrying case with a variety of pockets and slots for our snow study tools, Slope Meter, Polycarbonate Crystal Card, Analog Thermometer, 15x Magnifying Loupe, ECT Cord		
		Warranty3-year limited		
		Activity		
		Ski / Snowboarding,		
		Snowmobile,Snowshoe / Uphill / Skimo	No.	
# # #	Battery Operated Combi tool	Best Quality	No.	
# # #	Combi Tool Hand Operated	Best Quality	No.	
# # #	PRT Forcible Entry Tool Kit	Best Quality	No.	
# # #	Remote area lighting system suitcase light		No.	
# # #	Backpack Hydraulic Mini Rescue Kit		No.	
# # #	Multifunctional Waist Axe		No.	
# # #	Hooligan Tool		No.	
# # #	Come along or Davit Rescue System		No.	
# # #	Floating Pump 900 lpm		No.	
# # #	Portable Fire Pump		No.	
# # #	Inflatable Light Mast		No.	
# # #	Sharpe Edge Protection Cover		No.	

# #	Fiberglass Fire Blanket		No.	
# #	Tactical Cut Resistant Gloves		No.	
# #	Pneumatic Light Tower		No.	
# #	Trolley Mounted Water Mist 200 Ltr		No.	
# #	PPV BLOWER GASOLINE		No.	
# #	PPV BLOWER ELECTRIC		No.	
# #	SMOKE EXHAUSTER GASOLINE		No.	
# #	SMOKE EXHAUSTER ELECTRIC		No.	
# #	HP LIFTING BAGS (12-15 BAR)		No.	
# #	HP LIFTING BAGS (8-10 BAR)		No.	
# # #	CATCH BAGS – TOWING AND RECOVERY		No.	
# #	LOW PRESSURE LIFTING BAGS (0.5 BAR)		No.	
# # #	MEDIUM PRESSURE LIFTING BAGS (1.0 BAR)		No.	
# # #	BA Compressor – Petrol or Diesel Engine driven		No.	
# # #	BA Compressor – Three Phase Motor driven with built in Control & Safety Panel		No.	

# # #	SEARCH CAMERA – VICTIM LOCATION UNIT		No.	
# # #	BATTERY POWERED COMBI TOOLS		No.	
# # #	BATTERY POWERED CUTTERS		No.	
# # #	BATTERY POWERED SPREADER		No.	
# # #	BATTERY POWERED TELESCOPIC RAM		No.	
# # #	BATTERY OPERATED BOLT/ CHAIN CUTTERS		No.	
# # # # # #	Fire Suit: IIIA + Moisture Barrier + Thermal Liner Design: Jacket & Trouser Available Color: Navy/ Dark Blue/ Khaki/ Yellow etc. Reflective Tape: 3M Scotch lite		No.	
# # # #	Fire Gloves: Leather Design: 5-finger Available Color: Tan Reflective Tape: 3M Scotch lite		No.	
# # #	Hood: IIIA knitted Design: Balaclava Available Color: Natural/ Black		No.	
# # #	Fire Boots: Rubber Design: Gum Boots Available Color: Yellow + Black		No.	
# # #	Fire Helmet: Fiberglass Reinforced Composite Traditional & Modern Designs			

#	Impact Liner + Ratchet (size 51-65cm)			
#	Chin Strap with QR Buckle			
#	Internal Retractable or External PC Face			
#	Shield FR Neck Protector		No.	
#	Fire Helmet: Fiberglass Reinforced			
#	Composite			
#	Traditional & Modern Designs			
#	Impact Liner + Ratchet (size 51-65cm)			
#	Chin Strap with QR Buckle			
#	Internal Retractable or External PC Face			
#	Shield FR Neck ProtectorWith Torch,			
#	Internal Goggles, Tape		No.	
#	Hydraulic Concrete Crusher			
#			No.	
#	Portable Breathing Air Compressor			
#			No.	
#	Self-Contained Breathing Apparatus SCBA			
#	with 6.8L Carbon fiber cylinder			
#			No.	
#	SCBA Self Contained Air Breathing			
#	Apparatus		No.	No.
#	Hand Breaking Tools Set			
#			No.	
#	Dynamic Entry Tool Pack			
#			No.	
#	Battery Driven Smoke Exhauster Cum			
#	Blower		No.	
#				
#	Petrol Driven PPV Fan			
#			No.	

# # #	Explosion Proof Smoke Exhauster Cum Blower Electric		No.	
# #	Come A Long Davit System		No.	
#	Rescue Tripod		No.	
#	Versatile Modular Tripod		No.	
# #	Air Lifting Cushion Round		No.	
# #	Air Lifting Cushion Square		No.	
# #	Hand Held Nozzle Piston Grip Style		No.	
# #	Powerwinch		No.	
# #	V-Strut		No.	
# #	Working Head & Bases		No.	
# # #	Raker System		No.	
# #	Pneumatic Strut		No.	
# #	Hydraulic Strut		No.	
# #	Chocks and Blocks		No.	
# #	fire-fighting-drone		No.	
# #	Active lighting Arrestor		No.	

# # #	Jumping Bag (Material-High strength resistance fiber)		No.	
# #	Rope Launcher		No.	
# #	Water Gel Blanket		No.	
# #	Multi Gas Detector		No.	
# #	BODY WORN CAMERA		No.	
# #	Handheld Thermal Imaging Camera		No.	
# # #	TurnPure UF Water Purifier (in Backpack format)		No.	
# #	Inflatable Tent		No.	
# # #	Rapidly Deployable Shelters		No.	
# #	40 Square Meter Inflatable Tent		No.	
# #	Portable Generator Mobile Lighting Tower		No.	
# #	Body Worn Camera		No.	
# #	Vertical Spiral Chute		No.	
# #	Spring Type Escape Chute		No.	
# #	Sloping Escape Chute		No.	

# #	Fire Brigade Escape Chute		No.	
# #	Dan buoy		No.	
# #	Metal Trunk		No.	
# #	Lock and keys		No.	
# #	Walkie Talkie		No.	
# #	GPS		No.	
# # # # # # # # #	Fire Ball Application Advanced and Automatic Warranty 5 years Product Type automatic fire ball Material HDPE Dimension (L*W*H) 20*20*20 Centimeter (cm) Color red/orange Usage commercial, industrial, domestic and official Weight 1.3KG Kilograms (kg) Alarm 138 and 150 Temperature Range 70-75 Celsius (oC)		No.	
# #	Scuba BCD		Nop	
# #	Scuba Tank		No.	
# #	Diving Guage		No.	
# #	Diving Gloves & Fins		No.	

# #	Diving Mask Morkel		No.	
# #	Regulator First Stage		No.	
# #	Regulator Second Stage		No.	
# # # # # # #	HeartSave AED semi-automatic operation Battery 6 - up to 6 years standby Electrodes - 36 months shelf life pediatric mode & pediatric button voice prompts in four languages daily selftest		No.	
# # # # # # #	HeartSave AS fully-automated operation Battery 6 - up to 6 years standby Electrodes - 36 months shelf life pediatric mode & pediatric button voice prompts in four languages daily selftest		No.	
# # # # # # #	HeartSave PAD semi-automatic operation Battery 3 - up to 3 years Standby Electrodes - 36 months shelf life pediatric mode & pediatric button voice prompts in one language daily selftest		No.	
# # # # # #	DefiMonitor XD manual defibrillation SpO2 6 - Lead ECG AED-Mode Printer		No.	
#	HeartSave AED-M			

#	illuminated monitor			
#	ECG display, instructions in text form,			
#	measured values			
#	Battery 6 - up to 6 years standby			
#	Electrodes - 36 months shelf life			
#	pediatric mode & pediatric button			
#	daily selftest		No.	
#	Shoulder Light			
#			No.	
#	Floating Pump			
#			No.	
#	LED Light Bar			
#			No.	
#	Emergency Life Support Apparatus (ELSA)			
#			No.	
#	Telescopic Rescue Pole			
#			No.	
#	Mini Hydraulic Rescue Kit			
#			No.	
#	Mini Fire Stop			
#	Portable Water Mist System			
#	Engine Driven , High Pressure delivery		No.	
#	Wearable Standalone Personal Alert Safety			
#	System (PASS) Device			
#	IECEX based Standalone Distress Signal			
#	Unit			
#	Operating Temperature: -20°C to +260°C			
#	Built for the Harshesht Environments			
#	92dbA+ Sound at 260°C			
#	Waterproof (IP67)			
#	Proprietary Motion and Inactivity Detection			
	Algorithms			
	Easy to Wear			

	Wear it on your Arm			
	Wear it on your Waist			
	Strongly Clip it to your Jacket / BASCA / Belt			
	Fire Retardant Straps		No.	
# # #	CPR Manikin		No.	
# #	CPR Mask Adult		No.	
# #	CPR Board			
# #	CPR Mask Adult & Child			
# #	Bleeding Control Kit			
# # # # # # #	Remotely Operated Vehicle (ROV)			
	2 KNOTS Cruise Speed			
	HD Video Live			
	6000 Lumens LED Light			
	Payload Capability SONAR NDT			
	3+ Hours Operation Time			
	Operational Depth 100 Meter			
# #	Remotely Operated Vehicle (ROV)			
# #	Unmanned Surface Vehicle (USV)			
# #	Under Water Camera			
# # # # # #	Aircraft Drone			
	PropulsionBLDC Motor & Nylon Fiber			
	Propeller			
	Frame Configuration Quad copter			
	Power System6S Lithium Polymer Battery			
	Weight5.07 lbs (2300 g)			

#	Endurance	5 minutes		
#	Range	15 Kms		
#	Max Cruising Speed	15 m/s		
	Positioning	GNSS (Global Navigation Satellite System)		
	Frame Construction	Carbon Fibre, ABS & Aluminum		
	Control	axl Radio Controller		
	Obstacle Sensors	Optical Flow Sensor/ Ground Distance Sensor		
	Onboard Cameras	4K Night Vision Gimbal Camera with 6X Digital Zoom		
	Video/Photo Output Formats	MP4, MOV (MPEG-4 AVC/H.264)/JPEG, DNG		
	Internal Storage	64 Gb(Expandable)		
	Supported SD Cards	MicroSD Class10 card upto 128GB		
	Transmission distance	15 Kms		
	Image Resolution	720p@30fps, 1080p@30/60fps		
	Screen size	7 inch		
#	Enterprise Drone Camera	Aircraft Specifications:		
#	Aircraft Body	Dimensions (unfolded, excluding propellers): 470×585×215 mm (L×W×H)		
#	Remote Controller	Dimensions (folded): 365×215×195 mm (L×W×H)		
#	1671 Propeller (CW)	Diagonal Wheelbase: 668 mm		
#	1671 Propeller (CCW)	Weight (with two batteries): 3770 ± 10 g		
#	USB-C Cable	Max Takeoff Weight: 4069 g		
#	USB-C to USB-C Cable	Max Takeoff Weight for C2 Certification in EU: 3998 g		
	Carrying Case	Operation Frequency: 2.4000-2.4835 GHz; 5.725-5.850 GH		

		Screws and Tools		
		BS30 Battery station		
		TB30 Battery (02)		
#		RANGER CREW Full-Size	Additional Specifications	
#		Engine & Drivetrain	Cargo System Lock & Ride®, Front Suspension	
#			MacPherson Strut 9 in (22.9 cm) Travel, Gauge	
#			CPI, Hitch Towing Rating 1,500 lb (680.4	
#			kg), Hitch Type Standard 2 in (5 cm) Receiver,	
#			Instrumentation	
#		Cooling Liquid, Cylinders Displacement	Single Analog Dial with 2" LCD Rider	
#		567cc, Drive System Type On-Demand	Information Center,	
#		True AWD/2WD/VersaTrac Turf Mode,		
		Engine Type 4-Stroke Single Cylinder		
		DOHC		
		Fuel System/Battery Electronic Fuel	Speedometer, Tachometer, Odometer, Tripmeter,	
		Injection, Transmission/Final Drive	Clock,	
		Automatic PVT H/L/N/R/P; Shaft		
		Dimensions	Hour Meter, Gear Indicator, Fuel Gauge, Coolant	
		Bed Box Dimensions (L x W x H) 36.5 x	Temperature, Volt Meter, Service Indicator and	
		54 x 11.5 in (93 x 137 x 29 cm), Front/Rear	Codes,	
		Rack or Box Capacity N/A lb / 800 lb (N/A		
		kg / 363 kg), Fuel Capacity 9 gal (34.1 L)		
		Ground Clearance 10.5 in (26.7 cm) Overall	Seatbelt Reminder Light, DC Outlet	
		Vehicle Size (L x W x H) 146 x 60 x 74 in		
		(370 x 152 x 188 cm)		
		Payload Capacity 1,500 lb (680.4 kg)	Lighting 50W Headlight, LED Tail, Rear	
			Suspension Dual A-Arm, IRS 10.0 in (25.4 cm)	
			Travel, Tilt Steering Standard	
		Wheelbase 107 in (271.8 cm)	Tires / Wheels	

	Brakes	Electronic Power Steering Optional Accessory, Front Tires 25 x 10 -12; 489,Rear Tires 25 x 10- 12; 489,Wheels Stamped Steel		
	Front/Rear Brakes 4-Wheel Hydraulic Disc with Dual-Bore Front and RearCalipers,Parking Brake Park In- Transmission			
#	RANGER XP 1000			
#	SNO-25 550 VOYAGEUR LXT			
#	Engine & Drivetrain			
#	Bore x Stroke 73 mm x 65 mm, Cylinders			
#	Displacement 2 - 544 cc, Disc Brake Type			
#	RMK® Hydraulic, Drive System Type			
#	Chain case, Drive/Driven Clutch			
#	CVTECH®,PowerBloc50 / Invance,			
#	Engine Type / Cooling Fan Cooled,			
#	Exhaust Single			
	Fuel System Carbureted, Ignition CDI			
	Dimensions			
	Estimated Dry Weight 467 lb (212 kg),Fuel Capacity 11.5 gal (43.5 L),Overall Height 54 in (137 cm),Overall Length 124 in (315 cm),Overall Width 48 in (122 cm),Person Capacity 2,Ski Center Distance 42.5 in (108 cm)			
	Suspension			

	<div>Front Shocks Polaris IFP, Front Suspension PRO-RIDE, Front Track Shock Polaris IFP, Front Travel 7.1 in (18 cm),Rear Suspension Coil Over 144,Rear Track Shock Polaris IFP,Rear Travel 14.1 in (35.8 cm),Ski Type PRO-STEER ,Track Width / Length / Height (in) 15 x 144 x 1.0" in Energy</div> <div>Features</div> <div>12V Outlet / RCA Accessory, Electric Start Standard, Fuel Gauge Mechanical, Hand& Thumb Warmers Standard Adjustable, Handlebar Type Standard One Piece, Mirrors Standard, Passenger Seat Standard, Rear Rack/Tow Hitch Accessory, Reverse PERC®</div> <div>Seat Type 2-Up Fixed Backrest,SpeedometerMessageCenterDisplay,TachometerMessageCenterDisplay,Temp/Low Oil Light Low Oil Light,Windshield PRO-RIDE Tall 20", Clear</div>			
#	SNO-25 PROSTR S4 TITAN			
#	ADV 155 INTL			
#	Sportsman Touring 570 EPS			
#	Chemical Suits			
#	Chemical Masks			
#	Hydraulic Platform (Automatic TTL)			
#	Large Display Screen Water Proof / Road side Display			

# #	Fire Curtains			
# #	Fire Drone			
# # # # # # # # #	RAFT E-161 Self-Bailing Raft	<div><div>Specs</div><div>Series: Expedition</div><div>Length:16'</div><div>Width:7' 2"</div><div>Weight: 176 lbs.</div><div>Tube Diameter:20"</div><div>Number of Thwarts:4</div><div>Number of Air Chambers:9</div><div>Valve Type:Leaffield C7</div><div>Self Bailing: Yes</div><div>Type of Material:Pennel Orca</div><div>Number of D-rings:14</div><div>Number of Handles:8</div><div>Maximum Frame Length:96"</div><div>Repair Kit: Yes</div></div>		
# # # # # # # #	Current Pro Helmet	<div><div>Specs:</div><div>Weight: Size M/L 1.75 lbs.</div><div>Certification’s EN 1385</div><div>Shell Material: ABS plastic with a polyurethane sub-shell</div><div>Liner Material: Removable, replaceable padded liner</div><div>Vented: No</div><div>Adjustment: Interconnect Retention System</div><div>Ear Coverage: Removable</div><div>Features: Visor</div></div>		
# # #	Rescue Guide Jacket	<div><div>Specs</div><div>Weight:3 lbs</div><div>Category: Low-Profile Life Jackets</div></div>		

#		Rescue Life Jackets		
#		Side-Entry Life Jackets		
#		Design Flotation: 18.6 lbs.		
#		Outer Fabric:400 denier ripstop nylon with		
#		Cordura® reinforcements		
#		Entry System: Side buckle		
		Pockets:1 – Front2 - Side		
		Lash Tabs:1 - Front		
		Adjustment System:		
		4 – Side2 - Shoulder		
		Features:1 1/2" quick-release rescue belt		
		Reinforced shoulder straps		
		Tow tether carabiner attachment		
		US Coast Guard Certification		
#	PT Guide Paddle	Specs		
#		Blade Material:70% ABS plastic/30%		
#		polycarbonate		
#		Blade Size:19.7 cm W x 50.8 cm L (7.75" W x		
#		20" L)		
#		Blade Shape: Symmetrical		
#		Shaft Material:1mm thick aluminum		
#		Breakdown: No		
#		Weight:66 is 40 oz (1134 g)		
		Application:RaftingGuiding		
#	Men's Wetsuit	Specs		
#		Weight:2.1 lbs		
#		Fit: Form fit		
#		Neoprene:3 mm neoprene		
#		Seams: Glued& blind-stitched		
#		Entry Style: double-pull front zipper		
#		Relief Zipper: Yes		
#		Ankle Zippers: No		
#		Gender Sizing: Men		

		Includes:EcoSupraTex seat and knees		
		Finished edges		
#	Flip Lines (Pair)	Specs:		
#		Bag Material:Cordura		
#		Rope Length:Each bag contains 14'		
#		Rope Material:Polypropylene		
#		Rope Diameter:3/8"		
#		Load Max:1900 lbs.		
#				
#	ORBIT LOCK – CARABINER			
#				
#	Standard Rescue Throw Bag	Specs		
#		Weight:2 lb 4 oz		
#		Rope Length:75'		
#		Rope Material:Polypropylene		
#		Rope Diameter:3/8"		
#		Load Max:1900 lbs. (8.45 kN)		
#		Features:Mesh on top of bag for quicker dryingWebbing loop for glow stick		
#				
#	Tuff Sacks	Specs		
#		Weight:		
#		5L - 0.40 lbs		
#		10L - 0.60 lbs		
#		15L - 0.70 lbs		
#		25L - 1 lbs		
#		35L - 1.20 lbs		
#		45L - 1.45 lbs		
#		55L - 1.60 lbs		
#		Material:18 oz. TobaTex		
#		Closure System: Fold-down Storm Strip closure		
#		Features: D-ring attachment point		
#	Boat Line	Specs:		
#		Size:1/2"		
#		Material: Polypropylene		

#		Tensile Strength: 1845 lbs.		
#		Features: Comfortable Grip .Non-floating rope		
#		,Not recommended for rescue rope		
#	Men's Paddle Wetshoe	Specs:		
#		Weight: 1.7 lbs.		
#		Gender Sizing: Men		
#		Material Upper:3 mm neoprene		
#		Sole:3 mm rubber		
#		Insole:5 mm neoprene		
#		Shim:2 mm plastic shim		
#		Closure System: Ankle zipper		
#		Taped Seams: No		
		Category: Water Shoes		
		Features: Padded ankle patch ,Stabilizing bands ,Naturally shaped toe box ,Adjustable hook-and- loop webbing strap across the top		
#	5" Barrel Pump	Specs:		
#		Action:Inflate only		
#		Pump Dimensions:2.5' H		
#		Chamber Dimensions:5" Dia.		
#		Volume Per Stroke:2.03 gal. (7.7 liters)		
#		Hose Length:6' 6"		
#		Weight:10 lbs.		
#		Category:Manual Pumps		
#		Features:Wide base ,Carry handle		
#	Pennel Orca Repair Kit	Specs		
#		Category:Repair Kits		
#		Includes:		

# # # # # #		One 6" x 18" piece of tube material (choose your color), One 6" x 18" piece of floor material, Roller Rasp, Sandpaper, Leaffield C7 & D7 Valve Adapter, Leaffield Valve, Wrench, Plug for Leaffield PR Valve,C7 Repair Kit: Pin, Spring, Rubber Stopper		
		1 strip of 3" x 6" Tear-Aid Type A,2		
		alcohol prep pads		
# #	HARNESS			
# #	FULL BODY HARNESS			
# #	CHEST – HARNESS			
# #	ENERGY CR 4 – HARNESS			
# #	TITAN – Helmet			
# #	ROCKSTAR – Helmet			
# #	ARMOUR – Helmet			
# #	STORM – Helmet			
# # #	Product : DYNAMIC ROPE Brand : CAMP – ITALY Model : CLUSTER 10.5 MM			
# # #	Product : SEMI - STATIC ROPE Brand : CAMP - ITALY Model : IRIDIUM 9 MM			
# # #	Product : SEMI - STATIC ROPE Brand : CAMP - Italy Model : IRIDIUM 10 MM			

#	Product : SEMI - STATIC ROPE			
#	Brand : CAMP - ITALY			
#	Model : IRIDIUM 10.5 MM			
#	Product : SEMI - STATIC ROPE			
#	Brand : CAMP - Italy			
#	Model : IRIDIUM 11 MM			
#	Product : SEMI - STATIC ROPE			
#	Brand : CAMP - Italy			
#	Model : IRIDIUM 12.5 MM			
#	CAMP FLYTE – PULLEY			
#				
#	DRYAD PULLEY			
#				
#	DRYAD PRO – PULLEY			
#				
#	CAMP SPHINX PRO – PULLEY			
#	Product Description			
#	CAMP SPHINX – PULLEY			
#				
#	TETHYS – PULLEY			
#				
#	TETHYS PRO – PULLEY			
#				
#	NAIAD – PULLEY			
#				
#	NAIAD PRO – PULLEY			
#				
#	Rescue Evacuation Triangle			
#				
#	Spine Board with Head Immobilizer			
#				
#	Telescopic Ladder 13 ft			
#				
#	Paw/7 hole anchor plate			

# #	Gaiters			
# # #	Half Body CPR Training Mannequin with high sound indicator			
# #	Winter shoes waterproof hiking			
# #	Winter jacket waterproof 3 in 1			
# #	compass			
# #	Portable megaphone			
# #	Head torch			
# #	Crampon			
# #	Climbing Helmet			
# #	Dead Body Carrying Case			
# #	Portable butane gas stove with gas tin			
# #	Portable oxygen kits			
# #	Ice pitons big and small			
Misc Items				
Sr. No.	Product Name	Product Specification		
1	Panel Saw	Heavy Duty Precision sliding table with bearing developed with advanced technology with multi chamber system for maximum rigidity of the double roller carriage. Easily cut Panels, Profiles, Solid Wood, Plywood, Plastic sheets into Sizes		

2	Beam Saw	Beam Saw is Powerful, precise and efficient high speed panel cutting.Easy & fast changing of main saw & scoring saw bladesused for cutting of Large sheets of Materials.		
3	Curvilinear Edge Bander	Specialized Edge Bander machine to make 45° & 90° panels. 45° Edge Banding panels are widely used for mfg. handle less drawer, door frame, worktable etc.Gluing & bonding system and Pneumatic cutting device		
4	Auto Edge Bander	Sturdily built heavy-duty machine with Base Mounted Units. Diamond Cutters for Pre-Milling & Trimming. 3 Pressure Rollers for perfect pressing. User friendly Smart Touch PLC control panel for quick operations. Gluing, Banding & Edge Cutting.		
5	Double Head Multi Boring	Easy setting with quick & precision boring. The vertical boring units slide on heavy rolling guides for a prompt & easy positioning with digital read out. User friendly Smart Touch PLC Control Panel.		
6	Triple Head Multi Boring	Easy setting with quick & precision boring. The vertical boring units slide on heavy rolling guides for a prompt & easy positioning with digital read out. User friendly Smart Touch PLC Control Panel.		
7	Hinge Boring	Fully adjustable fence system with easy to read scales in both inches and metric for quick setup and accurate boring. Manually quick clamp devices.		

		Heavy-duty cast iron construction machined with precision. Work stops on either end of the fence allow operator to line up work from the left to right for performing parallel boring patterns. Adjustable depths stop control.		
8	Post Form	Auto post-forming cycle with variable heating time, stop and go time & holding time, can be adjusted to profile. Backstops facility provided to support long and odd shape jobs. Pressure clamp with rubber pad. Electronic and pneumatic separate compartments.		
9	Spindle	Spindles are versatile components used in a variety of applications, primarily to rotate tools or workpieces in machinery Mitre Gauge with Clamping. Auto Feeder : (Optional)		
10	Cold Press	Heavy duty platen designed to take maximum compression loads. Pressing platen is synchronized on rack & pinion for smooth up-down movement with eccentric rollers.		
11	Hot Press	Suitable for pressing & laminating on fibre boards, decorative papers, plywood etc.. Can be used for Particle / MDF / HDF board		
12	Vacuum Membrane Press (Compact)	For applying uniform lamination of PVC, decorative papers and veneer till 0.4 mm on top surface and borders of flat and designed work piece. Also can laminate Prelam MDF / Particle boards. Silicon membrane offered for veneer application on flat surface only. Heavy Duty Vacuum Pump		
13	CNC Router	CNC Router is used to make 2D & 3D designs on MDF / Solid wood with high precision & production.		

14	Hi-Speed Router	Designed for high speed production routing for getting clean, fast cuts when routing, moulding, making dovetails, grooving, mortising, tenoning& rebating.		
15	Dust Collector	Widely used for medium & high air suction capacity with double bag construction.Statically balanced high speed impellers give vibration free efficient suction.Available in different sizes, depending on suction capacity.Mounted on base frame with wheels for easy portability.		
16	Combi Planer	Combi Planer is a versatile woodworking tool designed to perform multiple functions in a single unit. It combines various woodworking processes into one machine, typically including planing, thicknessing, and sometimes even jointing capabilities.		
17	Surface Planers	Surface planer, is used in woodworking to reduce the thickness of boards to a consistent level. It's essentially a tool for milling and smoothing flat surfaces on wood.		
18	Thickness Planers	A thickness planer is primarily used to reduce wood stock to a uniform thickness along its length, ensuring both faces are parallel and smooth. It's often used after a jointer to create a flat face to act as a reference for the thickness planer.		
19	Spindle Moulder	All spindles are adjustable and their key devices are positioned on front of the machine for convenience. Increase of profit by reuse of wood. Easy accessible user friendly control panel positioned near the machine in-feed for convenient and quick operations.		

20	Wood Saw	Easy sliding for Angular & cross cutting with Mitre Gauge and wood clamping. Upper & lower saw blade guide system with bearing runner for maximum support to saw blade		
21	Sanders	User friendly Control Panel with variable feed speed. It is used for thicknessing wood, removing old finishes, and creating a smooth surface for finishing.		
22	Mortisers	Heavy duty wood clamping for better gripping while heavy cuts. Wood Support for better clamping. Hydraulic Power Pac. Similar in action to a pedestal drill, with a lever pulling down the cutter.		
23	Tenoner	Accurate & Strong vice clamping system to avoid Slipage of work piece during operation. Easy slide movement for accurate tenoning with end cutting unit for perfect tenon length		
24	Khanag	1. Wood planner (big/medium/small) 2. Wood cutter (big/medium/small). 3. Sewing machine with motor. 4. Laptop 5. Home stay (mattress quilt blanket pillow with cover)		
25	Lajheri	1. Wood planner(big/medium/small) 2.deep freezer (150L 200L) 3. Power sprayer (big/medium/small).4. Carpenter tool kit. 5 Camping tants		
26	Phanauti	1. Carpenter tools kit. 2. camping tants.(6 person/4 person/2 person)		
27	Karad	1 blacksmith kit .2.carpenter tool kit. 3. camping tant (6 person/4 person 2 person).4. Plumbing kit .5.electrician tool kit.		

28	Kohila	1. Black smith tool kit. 2. Carpenter tool kit. 3. Electric rcc mixer machine 4 plumbing tool kit .5.carpenter tool kit. 6. Deep freezer (150L/200L). 7. Home stay (mattress quilt blanket pillow with cover		
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Date:
Place:

Name of the Bidder
Sign. of the Bidder with Seal

PRICE BID/ FINANCIAL BID
FORMAT-"IV"

Tablets & Smart Phone						
Sr. No.	Product Name	Product Specification			UQC	Rate as per unit quantity (In Rupees)
1	Tablet	Network	Technology	WiFi (Optional-GSM/HSPA/LTE)		
		Display	Type	IPS LCD, 1B colors, 120Hz, 400 nits (peak)		
			Size	10.0 inches, or above		
			Resolution	1200 x 2000 pixels, 200 ppi density		
			Protection	Corning Gorilla Glass		
		Platform	OS	Mini Android 13		
			CPU	Octa-core 2.0 Ghz		
		Memory	Ram	6GB		
			Internal	Minimum 128GB		
		Comms	WLAN	Wi-Fi 802.11 a/b/g/n/ac, dual band		
			Bluetooth	Mini 5.0, A2DP, LE		
			Positioning	GPS, GALILEO, GLONASS, BDS,- cellular model only		
			USB	USB Type-C		
		Features	Sensors	Fingerprint (side-mounted/under display/optical), accelerometer, gyro, compass		
		Battery	Type Charging	Min 6000 mAh 25W wired		
2	Compatible Mini Keyboard	Best quality				
3	Compatible OTG Cable (Key board to Phone)	Best Quality				

4	High-Quality Smartphone	(Minimum 6GB RAM, 128GB internal memory) with OTG connectivity to support a compact keyboard.					
5	Smart cane	Best quality					
6	Signature Guide	Best Quality					
7	Headphones	<p>Design & Build: Over-ear/on-ear/in-ear options; lightweight and ergonomic fit 10mm – 40mm dynamic drivers for clear sound and deep bass Response: 20Hz – 20kHz – 32 ohms (compatible with most devices) 3.5mm audio jack - Wireless: Bluetooth 5.0 or higher with dual pairing support Battery Life (Wireless Models) :Minimum 8-10 hours playback (earphones), 15-20 hours total with charging case (in-ear TWS) Microphone: Built-in microphone for hands-free calls and voice assistant support Isolation: Passive noise isolation for a better listening experience Controls In-line controls (wired) or touch/button controls (wireless) build with tangle-free cables (wired) and water/sweat resistance (IPX rating for wireless models) Warranty: Minimum 1-year manufacturer warranty Make: Only brands with established market credibility and proven quality standards shall be considered. Preference may not be given to Chinese brands.</p>			<p>Drivers: Frequency Impedance: 16 Connectivity: - Wired:</p> <p>Noise Durability: Sturdy</p>		
	<p>NOTE: The tablets and smart phones etc to be supplied should have the feature of uploading the specific educational contents for Children with Special Needs (CwSN) which is free of cost available on the DIKSHA PORTAL and PM e-Vidya Portal.</p>						
	<p>Date: _____ Name of the Bidder _____</p>						
	<p>Place: _____ Sign. of the Bidder with Seal _____</p>						

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Addl Hospital Items

Sr. No.	Product Name
1	HOSPITAL BED Size: H 900 X W 900 X L 1980
2	FOOT STOOL Size: H 450 2ND H 230 X W 300 X D 510
3	BED SIDE LOCKER Size: H 820 X W 450 X D 450
4	SALINE STAND
5	BED SIDE SCREEN FOUR FOLD Size: H 1680 X W 2440 X E.F: 600MM * 4NOS
6	Examination couch
7	Fowler bed deluxe
8	Semi fowler bed deluxe
9	Semi fowler bed general
10	Attendant bed
11	Ward plain bed deluxe
12	Ward plain bed general

13	Bedside screen 3 fold
14	Bedside screen 4 fold
15	Baby crib on stand swing type
16	Baby crib with carrier
17	Wheel chair non folding
18	Examination cum gyne table
19	Examination table 2 section
20	Crash cart
21	Stretcher on trolley
22	ECG machine trolley
23	Drug trolley
24	Instrument trolley SS
25	Dressing trolley
26	Instrument trolley
27	Medicine trolley
28	Bedside table
29	Bedside table with Adjustable geared Handle

30	OVER BED TABLE (PATIENT FOOD TROLLEY)
31	SALINE STAND (3- WINGED BASED) MS PIPE BASE
32	SALINE STAND (4- WINGED BASED) MS BASE
33	SALINE STAND (5- WINGED BASED) PLASTIC BASE
34	Bedside locker super deluxe
35	Bedside locker super deluxe
36	Bedside locker with SS top
37	Foot stool single step
38	Bedside locker all SS
39	Foot step double
40	Kick bucket
41	Revolving stool cushion top
42	Mayo instrument trolley
43	Ward stool
44	Bowl stand double
45	Bowl stand single
46	Bowl stand two tier

47	Soled linen trolley
48	Visitor Chair
49	Visitor Chair
50	Almirah - 22 Gauge
51	Executive Table
52	Classroom Desk (W900mm X D-900mm X H 750/450mm)
53	BUNKER BEDS
54	Leg Folding Bed (Police/Army)
55	ELECTRIC ICU BED MULTI FUNCTION(ST-101)

1	Hi-low ICU Bed Electric
2	Non Hi-Low ICU Bed Super
3	Hi-Low ICU Bed Delux

4	Full Fowler Bed Super
5	Hi-Low ICU Bed Delux
6	Full Fowler Bed Electric
7	Full Fowler Bed Super

8	Full Fowler Bed Delux
9	Semi Fowler Bed Super
10	Semi-Fowler Bed Super
11	Semi-Fowler Bed Delux

12	Semi-Fowler Bed Regular
13	Semi-Fowler Bed General
14	Ward Bed General (Back-rest on Ratchet)
15	Attendant Bed Delux
16	Attendant Bed Semi-Delux
17	S.S. Bed Side Locker Delux

18	Bed Side Locker Semi-Delux
19	Bed Side Locker Economy
20	Bed Side Locker General
21	Over Bed Table Delux
22	Over Bed Table Semi-Delux
23	Over Bed Table General

24	Wheel Chair Folding
25	Wheel Chair Non-Folding
26	S.S. Crash Cart
27	P.C. Crash Cart
28	S.S. Instrument Trolley Standard
29	S.S Instrument Trolley Large

30	S.S. Dressing Trolley
31	S.S. Mayo's Trolley
32	Instrument Cabinet
33	Emergency Trolley Manual

34	Emergency Trolley Manual
35	Patient Trolley S.S.
36	Patient Trolley Standard
37	Examination-cum-Gynae Table

38	S.S. Telescopic Labour/Gynae/Obst Table
39	S.S. Telescopic Labour/Gynae/Obst Table
40	S.S. Line Trolley
41	Line Trolley with canvas bag
42	Three Fold Screen
43	Commode Stool (Folding)

44	S.S. Revolving Stool
45	Revolving Stool (S.S. Top)
46	Rectangular Stool
47	Cylinder Trolley (For 'B' type cylinder)
48	Foot Step Double
49	Foot Step Single
50	S.S. Kick Bucket
51	I.V. Stand

52	ENDURA Electric Operating Table
53	Ophthalmic Surgery Table
54	C-ARM Operating Table

55	Premium General Surgery Table
56	General Surgery Table
57	Halogen Ceiling Operating Light Folwer

58	Halogen Ceiling Operating Light Classic
59	Halogen Ceiling Operating Light C-4
60	Halogen Ceiling Operating Light C-5+5

61	Halogen Ceiling Operating Light C-4+5
62	Halogen Ceiling Operating Light C-4+4
63	Halogen Ceiling Operating Light C-5+3

64	Halogen Ceiling Operating Light C-3
65	Halogen Ceiling Operating Light C-3+3
66	Halogen Ceiling Operating Light C-19
67	Programmed electrical dental unit

68	Programmed electrical dental unit
69	Dental Chair Hydraulic
70	Dental X-RAY (With Scissor Arms)

71	Dental X-RAY Unit
72	Dental Operating Microscope

73	Hospital Pediatric Bed
74	Baby Cot
75	Baby Cradle
76	Hospital Examination Couch
77	Basins Stand
78	Folding Stretcher
79	Folding Stretcher (Two Fold)
80	Folding Stretcher (Four Fold)
81	Blood Donor Couch (Electric)

82	Phototherapy Unit
83	Cadavar Storage Tank
84	Postmortem Table (Autopsy Table)
85	Dissecting Table

86	FOWLER BED
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87	SEMI SFOWLER BED
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88	Plain Bed
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89	ICU BED MANUAL
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90	ICU BED ELECTRICAL
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91	ICU BED ELECTRICAL High End
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92	CRASH CART
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93	Emergency Crash cart
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94	DELIVERY BED MANUAL
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95	Patient Stretcher Trolley
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96	EMERGENCY RECOVERY TROLLEY
97	BED SIDE LOCKER

98	Examination couch
99	Patient Care Mattress (Plain Bed)

100	Patient Care Mattress (Semi Fowler Bed)
101	Patient Care Mattress (Full Fowler Bed)
102	Patient Care Blanket
103	Cotton Hospital Blanket
104	Woolen Hospital Blanket

105	Cotton Hospital Bed Sheet
106	Disposable Hospital Bed Sheet
107	Patient Care Bed Sheet
108	Quilted Hospital Bed Sheet
1	Lab Workstation Island

2	Work Bench
3	Lab Tables
4	Lab Stools
5	Lab Chairs (Adjustable Height)
6	Fume Hood
7	Chemical Storage Cabinet
8	Sink Unit (With Drainboard)

9	Laboratory Workstation
10	Wall-Mounted Storage Shelves
11	Laboratory Sinks
12	Eyewash Station
13	Laboratory Benches (With Under-shelf Storage)
14	Waste Bin
1	EXECUTIVE TABLE

2	RECEPTION TABLE
3	BOARD ROOM TABLES
4	MEETING & CONFERENCE TABLES
5	Computer Table
6	Computer Chair
7	Monitor Stand / CPU Trolley
8	Pedestal Drawer Unit (Under-table)
9	Mobile Pedestal (3 Drawer)
10	Senior Executive Chair
11	Executive Chair
12	Executive Chair
13	Revolving Chair (High Back)
14	Revolving Chair (Mid Back)

15	Meeting Chair
16	Staff Chair
17	Conference Chair
18	Conference Chair
19	Visitor Chair
20	VISITOR AND LOUNGE SEATING
21	Three Seater Chair
22	Two Seater Chair
23	Cantilever Chair
24	Office Table
25	Office Table
26	Office Table

27	Center Table
28	Center Table
29	Corner Table
30	3-Seater Sofa
31	2-Seater Sofa
32	1-Seater Sofa
33	WORKSTATION
34	Wooden Rack

35	Wooden Almirah
36	Steel Almirah
37	Pigeon Hole Racks
38	Metal Shelving Racks
39	Display Rack

40	Wall Racks
41	Filing Cabinet
42	Filing Cabinet
43	Book Shelf Cabinet
44	Glass Door Almirah

45	Adjustable Shlef Rack
46	Shoe Rack
47	Staff Locker (6 Door)
48	AV Cabinet

49	MOBILE COMPACTOR
50	Notice Board / Whiteboard
51	Document Tray
52	Newspaper & Magazine Stand

53	Projector Stand
54	Trophy Display Unit
55	Water Cooler Stand/Table
56	Dustbins (Plastic / MS / SS)
1	Student Desk (Single Seater)
2	Student Chair
3	Classroom Table
4	Classroom Chair

5	Kids Desk
6	Podium
7	Auditorium Seating
8	Whiteboard
9	Greenboard
10	Blackboard
11	Board Stand
12	Bag Rack / School Bag Holder

13	Student Locker Units
14	Library Bench
15	Library Chair
16	Library Almirah
17	Dining Table
18	Dining Chair
19	Bunk Bed
20	Single Bed

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PRICE BID/ FINANCIAL BID

FORMAT-"V"

Product Specification	UQC
Designed with MS Pipe main frame 25 x 50mm & MS Sq. Pipe 25 x 25 mm support pipe, perforated CRCA sheet top tubular head and foot bows of unequal heights with vertical tube supports on rubber studs	
CRCA tubular frame work mounted on four heavy duty rubber shoes	
Under Structure Designed with 18mm MDF Board Designed with 25*25 mm square pipe thickness 1.2mm	
Under Structure designed with strong tubular stand of 31mm crca pipe mounted on steel base with of legs tainless steel rod with double hook adjustable with bakelite know. Pre treated & epox t powder coating finish of 40 to 50 miron s	
Under Struture Frame work made of erw tubular pipe in four folds each fold 600mm wide, Two outer foldsfitted with two castors each of 50mm dia and two inner folds fitted with one castor each of 50 mm dia supplied with spring wire and curtains .	
Examination couch	
Fowler bed deluxe	
Semi fowler bed deluxe	
Semi fowler bed general	
Attendant bed	
Ward plain bed deluxe	
Ward plain bed general	

Bedside screen 3 fold	
Bedside screen 4 fold	
Baby crib on stand swing type	
Baby crib with carrier	
Wheel chair non folding	
Examination cum gyne table	
Examination table 2 section	
Crash cart	
Stretcher on trolley	
ECG machine trolley	
Drug trolley	
Instrument trolley SS	
Dressing trolley	
Instrument trolley	
Medicine trolley	
Bedside table	
Bedside table with Adjustable geared Handle	

OVER BED TABLE (PATIENT FOOD TROLLEY)	
SALINE STAND (3- WINGED BASED) MS PIPE BASE	
SALINE STAND (4- WINGED BASED) MS BASE	
SALINE STAND (5- WINGED BASED) PLASTIC BASE	
Bedside locker super deluxe	
Bedside locker super deluxe	
Bedside locker with SS top	
Foot stool single step	
Bedside locker all SS	
Foot step double	
Kick bucket	
Revolving stool cushion top	
Mayo instrument trolley	
Ward stool	
Bowl stand double	
Bowl stand single	
Bowl stand two tier	

Soled linen trolley	
H950*W715*D715 mm .	
H1090*W715*D715 mm Fabric + Leatherette, POLYURETHANE FOAM, PU Arm, seat is made up of 12 MM thick hot pressed plywood upholstered,) Center Tilt: Seat & Back are fixed together and the whole structure moves together in one direction with 17° maximum tilt on pivot at centre. Moulded PU Foam , D - 45 kg/m3 , H-20 Revolving Pedestal - Steel inserted PP Base with PP Hub Cap Detail	
H1980*W915*D485mm, Major Almirah(Powder Coated) 22 Gauge: Dimensions:H1980*W915*D485mm. Made with CRCA Sheet Metal.Shelf Top: 22G/0.8mm. Shelf LH & RH: 22G/0.8mm. Shelf Back: 22G/0.8mm. Shelf Bottom: 22G/0.8mm. Doors 2 No. LH & RH: 20G/1mm. Door Strengthner (Spot Welded): 20G/1mm. Shelves Adjustable, Hinge Brackets:16G/1.6mm. Lock Box & Legs: 20G/1mm. Lock Cover: MS (Zinc Coated/PC). Plunger & lever: Brass. Door Handle: MS (Chrome plated). Locking Bar / Plunger Rod: Bright Bar, Dia. 9 mm. Handle Ring: PVC (Tranparent white) . Color options available.	
EXECUTIVE TABLE 1800*900 *750 Table top is made of Pre-laminated MDF/Particle Board	
Made by 18mm thick pre-lam MDF/Particle Board with color options to the laminate.Under structure provided with round CRC Pipe. Storage provided under table top of the bench.Dimensions: W900XD900XH750/450mm.	
Bunker Bed with Storage: H1726XW1985XD977mm. Made with Metal Steel/Iron. Bunk bed of two levels consisting of M.S. tube frame work and beds with 12 mm thick commercial ply.	
Pattern bed of Size: 1800*900*450mm made out of 50mm * 25mm rectangular pipe 18 gaurga painted with synthetic enamel paint. Fixed with ply, bottom lrgs should be closed by welding with CRC sheet	
ELECTRIC ICU BED MULTI FUNCTION(ST-101)	

Addl. Hiospital and Furniture items

<div data-bbox="631 159 1841 524" data-label="List-Group"><ul style="list-style-type: none">• Frame Made of strong Rectangular CRCA Pipe• Uniformly Perforated four sectional CRCA Sheet Top• Back-Rest, Knee-Rest, Trendlenburg/Reverse Trendlenburg and Hi-Low Position Obtained by Electric Actuator<ul style="list-style-type: none">• ABS Moulded head & foot Panels• ABS TuckAway Side Safety Railing• Bed Mounted on 125 mm. special castors, two with brakes<ul style="list-style-type: none">• One telescopic S.S.I.V. Rod• Overall Size: 220 Lx 100 Wx 60-80H cms<ul style="list-style-type: none">• Pre-treated and epoxy powder coated<p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p></div>	
<div data-bbox="577 566 1895 932" data-label="List-Group"><p>Frame Made of strong Rectangular CRCA Pipe Uniformly Perforated four sectional CRCA Sheet Top Back-Rest, Knee-Rest, Height Adjustment ,Trendlenburg/ Reverse Trendlenburg Positions by Crank Mechanism at foot end</p><ul style="list-style-type: none">• ABS Moulded head & foot Panels• S.S. Swing away type Side Safety Railing• Bed Mounted on 125 mm. special castors, two with brakes<ul style="list-style-type: none">One telescopic S.S.I.V. Rod<p>Overall Size : 208 L x 90Wx 60-80H cms Pre-treated and epoxy powder coated</p><p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p></div>	
<div data-bbox="524 971 1948 1336" data-label="List-Group"><p>Frame Made of strong Rectangular CRCA Pipe Uniformly Perforated four sectional CRCA Sheet Top Back-Rest, Knee-Rest, Trendlenburg and Hi-Low Position by Crank Mechanism at foot end Position by Crank Mechanism at foot end</p><ul style="list-style-type: none">• S.S. head and foot bows with laminated panels• S.S. Swing away type Side Safety Railing• Bed Mounted on 150 min. castors, two with brakes<ul style="list-style-type: none">One telescopic S.S.I.V. Rod<p>Overall Size : 208 L x 90Wx 60-80H cms<ul style="list-style-type: none">• Pre-treated and epoxy powder coated</p><p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p></div>	

<ul style="list-style-type: none">• Frame Made of strong Rectangular CRCA Pipe• Uniformly Perforated four sectional CRCA Sheet Top• Back-Rest, Knee-Rest, Trendlenburg/ Reverse Trendlenburg Position by Crank Mechanism at foot end<ul style="list-style-type: none">• ABS moulded head & foot panels• Bed Mounted on 125 mm. special castors, two with brakes <p>One telescopic S.S.I.V. Rod Overall Size : 208 L x 90 Wx 60H cms</p> <p>Pre-treated and epoxy powder coated</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Frame Made of strong Rectangular CRCA Pipe</p> <p>Uniformly Perforated four sectional CRCA Sheet Top</p> <ul style="list-style-type: none">• Back-Rest, Knee-Rest, Trendlenburg/ Reverse Trendlenburg Position by Crank Mechanism at foot end<ul style="list-style-type: none">• S.S. head and foot bows with laminated panels• S.S. Swing away type Side Safety Railing• Bed Mounted on 150 mm. castors, two with brakes <p>One telescopic S.S.I.V. Rod Overall Size : 208 L x 90 Wx 60H cms</p> <p>Pre-treated and epoxy powder coated</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Frame Made of strong Rectangular CRCA Pipe</p> <p>Uniformly Perforated Four sectional CRCA Sheet Top</p> <p>Back-Rest, Knee Rest Position by Electric Actuator</p> <p>, Height Adjustement & Trendberg & Reverse Trendberg by Electric Acutator</p> <ul style="list-style-type: none">• ABS moulded head & foot panels• S.S. swing away type side safety railing• Bed Mounted on 125mm. special castors, two with brakes <ul style="list-style-type: none">• Location provided for I.V. rod Overall Size: 208 L x 90 Wx 60H cms<ul style="list-style-type: none">• Pre-treated and epoxy powder coated	
<p>Frame Made of strong Rectangular CRCA Pipe</p> <p>Uniformly Perforated four sectional CRCA Sheet Top</p> <ul style="list-style-type: none">• Back-Rest, Knee-Rest Position by Crank Mechanism foot end <p>New Design S.S. head and foot bows with laminated panels</p> <ul style="list-style-type: none">• Location provided for I.V. rod Overall Size : 208 L x 90 Wx 60H cms <p>Pre-treated and epoxy powder coated</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<div>Frame Made of strong Rectangular CRCA Pipe<ul style="list-style-type: none">• Uniformly Perforated four sectional CRCA Sheet TopBack-Rest, Knee-Rest Position by Crank Mechanism at foot end<ul style="list-style-type: none">• S.S. head & foot bows with laminated panels• Location provided for I.V. Rod Overall Size : 208 L x 90 Wx 60H cms<ul style="list-style-type: none">• Pre-treated and epoxy powder coatedAn bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame made of strong Rectangular CRCA Pipe<ul style="list-style-type: none">• Uniformly Perforated two sectional CRCA Sheet Top<ul style="list-style-type: none">• ABS panels on both sides• Bed Mounted on 125 mm. castors, two with brakesOne telescopic S.S.I.V. Rod Overall Size : 208 L x 90 Wx 60H cms Pre-treated and epoxy powder coated An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame made of strong Rectangular CRCA PipeUniformly Perforated two sectional CRCA Sheet Top<ul style="list-style-type: none">• Back- Rest Pos iti on by Crank Mechanism at foot end<ul style="list-style-type: none">• ABS moulded head & foot panels• Collapsible type side safety railing• Location provided for I.V. RodOverall Size : 208 L x 90 Wx 60H cms Pre-treated and epoxy powder coated An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame made of strong Rectangular CRCA PipeUniformly Perforated two sectional CRCA Sheet Top<ul style="list-style-type: none">• B ack- Rest P os iti o n by Crank Mechanism at foot end<ul style="list-style-type: none">• S.S. head & foot bows with laminated panels<ul style="list-style-type: none">• Location provided for I.V. rodOverall Size : 208 L x 90 Wx 60H cms Pre-treated and epoxy powder coated An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	

<div>Frame Made of strong Rectangular CRCA Pipe</div> <div>Uniformly Perforated two sectional CRCA Sheet Top</div> <div>Back-Rest Position by Crank Mechanism at foot end</div> <div><ul style="list-style-type: none">• Powder coated new design Head & Foot bows• Location provided for I.V. rod</div> <div>Overall Size : 208 L x 90 Wx 60H cms</div> <div><ul style="list-style-type: none">• Pre-treated and epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame Made of strong Rectangular CRCA Pipe</div> <div>Uniformly Perforated two sectional CRCA Sheet Top</div> <div>Back-Rest Position by Crank Mechanism at foot end</div> <div><ul style="list-style-type: none">• Tubular head & foot bows of unequal height with vertical tube supports• Location provided for I.V. rod</div> <div>Overall Size: 208 L x 90 Wx 60H cms</div> <div>Pre-treated and epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Uniformly Perforated two sectional CRCA Sheet Top</div> <div>Back-Rest Position by Ratchet System</div> <div><ul style="list-style-type: none">• Tubular head & foot bows of unequal height with vertical tube supports• Location provided for I.V. rod</div> <div>Overall Size : 208 L x 90 Wx 60H cms</div> <div>Pre-treated and epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame Made of CRCA Pipe/CRCA sheet</div> <div>Overall Size : 192 L x 62 Wx 46H cms</div> <div><ul style="list-style-type: none">• Pre-treated and epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame Made of CRCA Pipe/CRCA sheet</div> <div>Overall Size : 192 L x 62 Wx 46H cms</div> <div><ul style="list-style-type: none">• Pre-treated and epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Wholly Made of Stainless Steel</div> <div><ul style="list-style-type: none">• Top Size : 41x 41 cms.• Height: 81 cms</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<div>CRCA sheet construction Having one box & one drawer</div> <div><ul style="list-style-type: none">• S.S. Top (size : 41x 41cms)• Height: 81 cms• Pre-Treated & Epoxy Powder Coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>CRCA sheet construction Having one box & one drawer</div> <div><ul style="list-style-type: none">• Top Size : 41x 41cms• Height: 81cms• Pre-treated & Epoxy Powder Coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>CRCA sheet & CRCA Pipe construction Having one box with S.S. Top</div> <div><ul style="list-style-type: none">• Top Size : 41 x 41 cms Height: 81cms Pre-treated & Epoxy Powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Frame made of Rectangular CRCA Pipe</div> <div><ul style="list-style-type: none">• Mounted on 50 mm dia castors Height adjustable by gear handle Laminated top• Height: 76/106 cms (adjustable)• Pre-treated and Epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><ul style="list-style-type: none">• Frame made of Rectangular CRCA Pipe• Laminated top• Mounted on 50 mm dia castors• Height adjustable by side knob• Height: 76/106 cms (adjustable)• Pre-treated and Epoxy powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Rectangular Frame workLaminated top</div> <div>Mounted on 50 mm dia castors</div> <div><ul style="list-style-type: none">• Top Size : 30 x 18 inch</div> <div>Pre-treated & Epoxy Powder coated</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<div><div><div>• Steel Material Chrome Plated</div><div>• Seat & Back Upholstery made of colored Leatherate</div><div>• 8" x 1" front wheel & 24" rear MEG wheel</div><div>• Fixed arm rest & Aluminium foot rest</div><div>• Seat width 46 cms & overall width 65 cms</div></div></div>	
<div><div><div>• 45 cm Cushioned Seat & Back, Padded Fixed arm Rests</div><div>• Front with 150 mm. castors & Rear 60 cm solid wheels with brakes</div><div>• Pre-treated & Epoxy powder coated</div><div>• Overall Size: 105L x 68W x 88H cms</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Wholly made of stainless steel frame with six smooth running Drawers</div><div>• Provided with twelve hand out bins, one I.V. Rod, Cylinder cage</div><div>• Mounted on four 125 mm. special castors, two with brakes</div><div>• Size: 71w x 40D x 152H cms</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Strong tubular steel frame with six smooth running drawers</div><div>• Two S.S. Shelves, covered with three sides rails</div><div>• Provided with six Hand out bins, one S.S.I.V. rod, Cylinder Cage</div><div>• Mounted on four 125 mm. castors, two with brakes</div><div>• Size: 71Wx 40D x 152H cms</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div></div>	
<div><div><div>• Wholly made of Stainless Steel</div><div>• Two Shelves, Covered with Three sides Rails One drawer</div><div>• Mounted on Four 100 mm. castors, two with brakes</div><div>• Shelf Size: 75 Lx 45 Wx 90 H cms.</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Wholly made of Stainless Steel</div><div>• Two Shelves, Covered with Three sides Rails</div><div>• Mounted on Four 100 mm. castors, two with brakes</div><div>• Shelf Size: 75 Lx 60 Wx 90 H cms.</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	

<div><div><div>• Two Shelves, Covered with Three sides Rails</div><div>• Provided with S.S. Bowl & Bucket</div><div>• Mounted on Four 100 mm. castors, two with brakes</div><div>• Shelf Size: 75 Lx 45 W cms.</div><div>• Overall Size: 101 Lx 45 Wx 90 H cms.</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Adjustable Height By Knob System</div><div>• Suitable to use over the operation table</div><div>• Mounted on 50mm. castors</div><div>• S.S. Tray 49 Lx 33 Wcms. Height 84/140 cms. (Adjustable)</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Instrument Cabinet with four Horizontal Shelves</div><div>• Lockable Door</div><div>• Overall Size: 180 H x 30 D x 60 W cm</div><div>• Pre-Treated & Epoxy Powder Coated</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	
<div><div><div>• Frame work made of rectangular CRCAPipe</div><div>• Hi-Low position by Crank mechanism at foot end</div><div>• Two Sectional powder coated Top with Mattress</div><div>• Head Raise by Ratchet System</div><div>• Trolley Mobile on Four 150mm. castors two with brakes</div><div>• Privided with powder coated swing away Type Side Rails, One S.S.I.V. Rod, Utility tray & Cylinder Cage</div><div>• Size: 210 L x 67 W x 65/85 H cms. (Adjustable)</div><div>• Strecher Size: 182L x 56W cms.</div><div>• Pre-treated & Epoxy Powder Coated</div></div><div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div></div>	

<ul style="list-style-type: none">• Tubular Trolley with foot operated Hydraulic pump for Height Adjustment•• Two Sectional X-ray Translucent Top with Mattress, Tray for holding X-ray cassettes<ul style="list-style-type: none">• Head Raise by Ratchet System• Trolley Mobile on Four 150mm. castors two with brakes• Provided with powder coated swing away Type Side Rails, One S.S.I.V. Rod Utility tray & Cylinder Cage<ul style="list-style-type: none">• Size: 210 Lx 67W x 65/85 H cms. (Adjustable)• Strecher Size: 182L x 56W cms.• Pre-treated & Epoxy Powder Coated <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<ul style="list-style-type: none">• Wholly made of Stainless Steel, Mobile on four 125 mm special swivel castors, Two with brakes. Provided with one S.S.I.V. Rod and Swing away Side Safety Railing<ul style="list-style-type: none">• Overall Size : 210 L x 56 W x 82 H cms. <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<ul style="list-style-type: none">• Frame made of CRCA Tubes mounted on 150 mm. Castors, two with brakes<ul style="list-style-type: none">• Removable Strecher Top• Size: 210 Lx 56 Wx 82 H cms.• Pre-treated and epoxy powder coated <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<ul style="list-style-type: none">• Frame work made of CRCA Pipe• Two sectional top complete with a pair of S.S. lithotomy rod<ul style="list-style-type: none">• Back rest adjustable on Ratchet system• MWe ldtl- \$& : 183 L x 56W x 76 H• Pre-treated & Epoxy Powder Coated <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	

<ul style="list-style-type: none">• Three Sectional Stainless Steel Top, Back-rest adjustable by Ratchet• Middle Section with "U" cut, leg section can slide under main frame<ul style="list-style-type: none">• Trendelenberg Position achieved with Pneumatic pump system• Provided with head & side safety rails, S.S. Hand Grips Three sectional Mattress, a pair of Lithotomy cruches & one I.V. Rod <ul style="list-style-type: none">• Sliding S.S. Douche Tray• Legs fitted on four rubber stumps Overall Extendable Size : 187 L x 96 W x 80 H cms. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Three Sectional Stainless Steel Top, Back-rest adjustable by Ratchet <ul style="list-style-type: none">• Middle Section with "U" cut, leg section can slide under main frame Trendelenberg Position achieved with Pneumatic pump system• Provided with head & side safety rails, S.S. Hand Grips Three sectional Mattress, a pair of Lithotomy cruches & one I.V. Rod <ul style="list-style-type: none">• Sliding S.S. Douche Tray Legs fitted on four rubber stumps Overall Extendable Size: 187 Lx 96 W x 80 H cms. <ul style="list-style-type: none">• Mounted on 150 mm Caster Wheels, Two with brake	
<ul style="list-style-type: none">• Wholly made of stainless Steel Provided with Plastic bucket• Mounted on 100 mm. dia castors An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Frame work made of CRCA Tubes mounted on 100 mm. dia castors Superior quality canvas bag Pre-Treated & Epoxy Powder Coated An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Pre-treated & Epoxy Powder Coated Overall Size: 228 W x 174 H cm, Castors Dia. 5 cm An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Pre-Treated & Epoxy Powder Coated Finish Size 66 L x 45 W x 60 H cms. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	

<div>wholly made of stainless steel</div> <div>Size Top Dia: 35 cms. H/adjust. 46/68 cms.</div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Four legs, S.S. top</div> <div><div><div>• Pre-Treated & Epoxy Powder Coated</div><div>• Size Top Dia: 35 cms. H/adjust. 46/68 cms.</div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><div><div>• Square tubular frame</div><div>• Four legs, S.S. Top</div><div>• Pre-treated & Epoxy Powder Coated</div><div>• Size: Top : 30 x 30 cms. Ht. : 45 cms.</div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><div><div>• Mobile on two 100 mm. castors</div><div>Pre-treated & Epoxy Powder Coated</div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><div><div>• Aluminium Top</div><div><div>• Pre-treated & Epoxy Powder Coated</div><div>• Size: 50 L x 40 W x 46 H cms</div></div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><div><div>• Aluminium Top</div><div>Four legs, Aluminium Top</div><div><div>• Pre-treated & Epoxy Powder Coated</div><div>• Size : 50 L x 25 W x 20 H cms</div></div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div><div><div>• S.S. Frame, S.S. Bowl Size: 33 Dia x 33 H cms. 50 mm. castors</div></div></div> <div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<p>Dimensions1975mm x 533 mm +10 mm Adjustable Height 815 mm to 1065 mm + 10 mm Trendelenburg 25° + 3° Reverse Trendelenburg 30° + 3° LateralTilting Position 25° bothside + 2° 250 mm + 10 mm ex Pos Reflex Position Head Plate Top Slide Stroke* 85 220° 20° up 95° down 250 mm</p> <p>Models Available with Additional AccessoriesENDURA - 561 :- Fully Remote Operated including Longitudinal Top Slide & Electric Floor Locking. ENDURA - 551 :- Fully Remote Operated with Hanging Ortho Attachment. ENDURA - 541 :- Fully Remote Operated with Longitudinal Top Slide. ENDURA - 521 :- Fully Remote Operated Surgical Table An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension 1900 mm x 635 mm +10 mm Adjustable Height 700 mm to 950 mm + 10 mm Trendelenburg 30° + 3° Reverse Trendelenburg 30° + 3° Lifting Position 250 mm + 10 mm Head Plate 25° up 90° down An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension 1925 mm x 533 mm +10 mm Adjustable Height 800 mm to 1065 mm + 10 mm Trendelenburg 30° + 3° Reverse Trendelenburg 30° + 3° Lateral Tilting Position 25° bothside + 2° Lifting Position 250 mm 10 mm Flex Position 80° Reflex Position 220° Head Plate 20° up 90° down An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	

<p>Dimension 1880 mm x 500 mm +10 mm Adjustable Height 800 mm to 1050 mm + 10 mm Trendelenburg 25° + 3°</p> <p>Reverse Trendelenburg 30° + 3°</p> <p>Lateral Tilting Position 20° bothside + 2° Lifting Position 250 mm + 10 mm</p> <p>Flex Position 90°</p> <p>Reflex Position 220°</p> <p>Head Plate 20° up 90° down</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension 1880 mm x 500 mm +10 mm Adjustable Height 790 mm to 1040 mm + 10 mm Trendelenburg 30° + 3°</p> <p>Reverse Trendelenburg 30° + 3°</p> <p>Lateral Tilting Position 20° bothside + 2°</p> <p>Lifting Position 250 mm + 10 mm</p> <p>Flex Position 90°</p> <p>Reflex Position 220°</p> <p>Head Plate 20° up 90° down</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dome Dia Spot Dia</p> <p>Color Temp. CRI 685 mm</p> <p>100 - 150 mm</p> <p>3200 - 5200 K</p> <p>91 RA</p> <p>Depth Illumination 10-15 cm</p> <p>Temp. Increase 2° to 3°</p> <p>No. of LED 84</p> <p>LEDAvg. Life 40,000 Hrs.</p> <p>Intensity(Lux) 1,35,000</p> <p>Special Function Memory</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<div>Dome Dia Spot Dia Color Temp. CRI 580 mm 100 - 150 mm 3200 - 5200 K 91 RA Depth Illumination 10-15 cm Temp. Increase 2° to 3° No. of LED 76 LEDAvg. Life 40,000 Hrs. Intensity(Lux) 1,25,000 Special Function Memory An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
<div>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm Number of LED 84 Color Temp. 4000-5000 K Temp. Increase 4° to 5° Colour Reduction Index 93 RA Power 220 VAC/DC Intensity (Lux) 1,30,000 Lux 10% Diameter of Light 600 mm Battery Backup Optional An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
<div>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm Number of LED 105 + 105 Color Temp. 4000-5000 K Temp. Increase 4° to 5° Control Panel On Transformer Power 220 VAC/DC Intensity(Lux) 1,60,000* 1,60,000 Lux ±10% Diameter of Light 600 mm x 2 Battery Backup Optional An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	

<p>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm</p> <p>Number of LED 1 05+84</p> <p>Color Temp. 4000—5000 K</p> <p>Temp. Increase 4° to 5° Colour Reduction Index 93 RA</p> <p>Power 220 VAC/DC</p> <p>Intensity (Lux) 1,60,000 * 1,30,000 Lux A10%</p> <p>Diameter of Light 600 mm x 2</p> <p>Battery Backup Optional</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm</p> <p>Number of LED 1 05+63</p> <p>Color Temp. 4000-5000 K</p> <p>Temp. Increase 4° to 5° Colour Reduction Index 93 RA</p> <p>Power 220 VAC/DC</p> <p>Intensity (Lux) 1,60,000 * 1,00,000 Lux A10%</p> <p>Diameter of Light 600 mm x 2</p> <p>Battery Backup Optional</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm</p> <p>Number of LED 84*84</p> <p>Color Temp. 4000-5000 K</p> <p>Temp. Increase 4° to 5° Colour Reduction Index 93 RA</p> <p>Power 220 VAC/DC</p> <p>Intensity (Lux) 1,30,000 1,30,000 Lux 10%</p> <p>Diameter of Light 600 mm x 2</p> <p>Battery Backup Optional</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<p>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm</p> <p>Number of LED 63</p> <p>Color Temp. 4000-5000 K</p> <p>Temp. Increase 4° to 5° Colour Reduction Index 93 RA</p> <p>Power 220 VAC/DC —</p> <p>Intensity (Lux) 1,00,000 Lux d10%</p> <p>Diameter of Light 600 mm</p> <p>Battery Backup Optional</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Brightness Control Capacitive Touch Panel Size of Light Field 12-30 cm</p> <p>Number of LED 63+63</p> <p>Color Temp. 4000-5000 K</p> <p>Temp. Increase 4° to 5° Colour Reduction Index 93 RA</p> <p>Power 220 VAC/DC</p> <p>Intensity(Lux) 1,00,000* 1,00,000 Lux ñ10%</p> <p>Diameter of Light 600 mm x2</p> <p>Battery Backup Optional</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Room Height Dome Dia Halogen bulb Reflector Color Temp10 ft.</p> <p>Height Temp. Adjustmellt Increase</p> <p>24Vx 150W Parabolic 4100 K</p> <p>Control Panel Power Intensity (Lux)</p> <p>914 mm 3° to 5° C On TransformerAn bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dental chair with two heavy duty noiseless electrical motors operable by foot control as well as hand operated feather touch switches on the control panel.</p> <p>STANDARD ACCESSORIES:</p> <p>Two 3-Way Syringe Automatic Cup filler</p> <ul style="list-style-type: none">• Water spittoon and saliva ejector Operating light mounted on smooth arms Purification system and integral spittoon• 2 points for high speedAir Turbine One point for Air Motor Pneumatic Dental Stool <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<p>Dental Unit consist of a heavy duty programmable Dental Chair with two fixed and three programmable positions.</p> <p>In addition to the standard accessories the inbuilt features of this unit include:</p> <p>Six Point LED Lighting Unit Rotatable Spittoon</p> <p>LED Illuminated Air Rotor Handpiece</p> <p>Inbuilt Piezo Electric Ultrasonic Scaler with 5 Tips with speed upto 36,000 RPM</p> <p>Can be provided with ceramic white or coloured spittoon</p> <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dental units are aesthetically crafted as per international norms of quality and workmanship to suit every dentist as per his budget and requirement.</p> <p>STANDARD ACCESSORIES:</p> <ul style="list-style-type: none">• Two intensity imported halogen light with multisurface glass reflector.• Spittoon block with integrated ceramic spitton (for hygiene/aesthetic) and tumbler filler.• Adjustable headrest, which can easily be adjusted for paediatrics patient.• Air Rotor Control box with a 3-way syringe and two points for attaching Air Rotor/Air Motor.• Round doctors stool with pneumatic piston for height adjustment, rotatable seat, moveable on four castor wheels.• X-ray viewer box <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<ul style="list-style-type: none">• Soft Feather Touch Switches• Operable both in Auto and Manual Mode• Inbuilt Voltage Regulator System• <p>The microprocessor controlled unit designed for Automatic Operation and easy handling includes:</p> <ul style="list-style-type: none">• Picture presetting for both adult and children• Presetting of Tooth Picture including Automatic setting of optimum parameters<ul style="list-style-type: none">• Exposure time optical and acoustic indication• Digital display for exposure time• Line voltage adjustment for proper picture quality and safety of Tube• Confirms to the BARC/AERB & International norms for radiation safety• Compatible with RVG system• Provided with optional Remote Control <p>An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

- FLOOR MOUNT MOBILE MODEL
 - WALL MOUNT MODEL
- STATIONARY FLOOR MOUNT MODEL

In all the above models the X-Ray emitter is connected to Scissor Arms/ Pantographic Arm and is movable both in vertical and horizontal direction. The mbe head can be rotated about its axis by 360° in horizontal and 270° in vertical plane.

TECHNICAL SPECIFICATIONS

- Mains 220V +10% AC, 50Hz
 - Power Unit I KVA
 - Output 70 KV, 8mA
 - FSD . 200mm
- Total Filtration : 2.0mmAl. Focal Spot < 1mm Radiation Leakage < 1 mm/Hr Exposure Switch Dead Man Type Time Range (by Digital Display) : 0.10-5.0 Secs

An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.

NABL Test Report of Raw Material used should be submitted

ENDURA HL-071 can be supplied with Zoom Trinocular head (in place of Binocular) to accept CCTV system and computer compatible Digital cameras offered. Product : Dental Operating Microscope : Dental operating microscope is designed with imported (Gippon Japan) operating head to meet the stringent requirement in the field of dentistry and match Japanese standards in quality.

SPECIFICATION :

Head Imported from Gippon Japan with advanced zoom optical system. Excellent depth of focus. Interpupillary distance adjustable from 50mm to 75mm. Both eye piece tube with diopter adjustment.

- Zoom Ratio
- Eye Piece 10 x or 12.5 x paired wide field Magnification 5 x to 30 x
 - Working distance f- 220 mm
 - Focusing motorized with foot control
- Light source LED based natural white light or 24V, 250W twin reflector lamp
 - Illumination
 - Arm
 - Stand

Coaxial through the lens fiber optic cable. Illumination control continuous adjustment. Counter balanced pantographic arm with 320° Rotation.

Mobile floor stand on four castor wheels for easy handling and stability.

Base Size : 600mm x 550mm

- Weight 50 Kg
- Height 1550 mm
- Electrical Power : AC 220V, 50/60 Hz

An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.

NABL Test Report of Raw Material used should be submitted

Strong and precise rectangular steel tube frame work. Uniformly perforated CRCA sheet top bed with drop railing. Manually adjustable back rest. Tubular head & leg bows of equal height with vertical tube supports. Overall size : 140Lx75Wx60H. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
MS/SS structure, Duly powder coated finishing Downfall Safety side railing. Mounted on 75 mm swivel castors, two with breaks. Size : 900 (H)x450(W)x900(H) mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Strong Tubular steel stand on rubber stumps, with handling bars mesh crib. powder coated finishing. Size : 103Hx76Lx42W cm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Constructed from CRCA steel sheet. Manually Adjustable Head Section. Top is Upholstered and Covered with washable Synthetic Material. Two individual Cabinets with attached Drawers. Epoxy Powder Coated. Size : 1830 (L)x60(W)x810(H)An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Two S.S basin having dia. 30cm, 25mm ms steel round tube, mounted on plastic base. Height : 86cm. Epoxy powder coated finishing. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Manufactured with Aluminum Tubes 30x1.5mm, washable cloth, with safety strips. Carrying capacity : app. 150 kg. Size : 2000 (L) x 550 (W) Also Available in : Ms pipe & Stainless steel. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Tubes : Approx. Dia. 30 x 1.5mm. Carrying Capacity : Approx. 150 Kg. Size : 2000 (L) x 550 (W) x 150 (H) mm. Also Available in : Stainless steel & Aluminum pipe. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Tubes : Approx . Dia. 30 x 1.5 mm. Carrying Capacity Approx. 150 Kg, washable cloth & carrying bag. Size : 2000 (L) x 550 (W) x 150 (H) mm. Available in : Ms pipe, Aluminum & Stainless Steel. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Facility for blood collection from both sides. Provides a comfortable position for the donor. variable positioning for either arm with comfortably wide arm-rests. Tilt adjustment can be done by using remote control. Two Geared Actuator. Based on homo dynamic principles. (Donor's head can be lowered immediately And legs can be lifted above heart level so that blood can flow back to the brain And other vital organs, in case of vasovagal attack). Ensuring safety and comfort to the donor. 4 Heavy Duty Lockable castor for easy mobility. Comfortable chair type with soft padding for cushioning and rexcin cover. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	

<p>The CFL 101 and PB 101 provide blue light for treatment of hyperbilirubinaemia in neonates. They may be used individually as stand-alone phototherapy units. Together, they provide radiation from both above in below the bassinet so that the infant's skin is used effectively and the treatment time is reduced. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>The tray moves down and gets completely submerged in the tank. It is operated by an exclusively designed handle mechanism to put the tray down effortlessly. When the tray is in the extreme top position, the position can be locked for easy dissection.</p> <p>The table is mounted on castor wheels with brakes for easy moveability. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Strong stainless steel tubular, top is covered with SS sheet with high board, attached with SS sink and water Tap. Two separate shower are provided for supply of hot and cold water. Complete with four positional SS accessories, instrument tray holder. Epoxy SS finishing. Optional for wheels. Size : 2500 (L) x 800 (W) x 850 (H) mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Strong stainless steel tubular structure, SS top with high boarder, provision for waste drainage connected to water tube, mounted on 125 castors with breaks. Provision for Instrument Tray. Size : 210 L x 80 W x 85 H cm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<p>Fowler bed should be of following dimension: 2200mm L x 1050mm W x 560mm H (without mattress)</p> <p>2) Should have four section fixed/ detachable (preferably detachable) ,With x ray compatible top</p> <p>3) Bed frame must be sturdy and stable to support weight of at least 150 kg. the frame structure should be made of 16 G CRC, rectangular/ circular pipe of 60mm x 30mm</p> <p>4) Bed frame should be mounted on round/ rectangular tube of minimum 30mm diameter and 16 G thickness fitted with 125mm castor, 2 with breaks and having rustproof body , twin wheels.</p> <p>5) All adjustments for fowler position must be obtained from crank spring shaft mechanism manually operated with stainless steel foldable handle on both the shaft.</p> <p>6) The finished bed must be rustproof, pre-treaded with epoxy polyester antimicrobial powder coated to increase the bacteriostatic property.</p> <p>7) The bed should have Collapsible type safety side railings: therailing should be complete tubular frame work of 25.4 mm dia x 18 G MS square tube, consisting of 7 nos. connecting tube made of SS with round tube of 25.4 mm x 1.2mm thick x 1550 mm L with collapsible mechanism with plunger lock and clamp bracket. It should be attached to the bed frame at three places for more strength. The round tube on the railing should b grey in colour and rest powder coating of railing should be same as that of bed frame. The vertical connecting tubes should be made adjoined to base and top with nut bolt system for easy replacement.</p> <p>8) Should have easily removable head and foot panels made up of ABS with four corner buffers.</p> <p>9) Mattress area of length 2000 to 2010 mm x width 900 to 910mm.</p> <p>10) There should be suitable buffer mechanism to avoid hitting of the bed to walls.</p> <p>11) Should have provision of fixing suitable rod for hanging intravenous / irrigation fluids bottle on both sides at head end and foot end. Each bed should be supplied with 2 nos. good quality telescopic IV rods.</p> <p>12) Should have hooks on bed frame on both sides for holding urine/ drainage bag (at least 4 nos. in each bed) with different colour coding.</p> <p>13) Each bed must be quoted with one no. four section mattress of dimension (2000 mm x 900mm) with washable cover of lasting quality. The mattress should be made of high-density PU foam of 100mm thickness & mattress PU density should be minimum 40 kg/m3.the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate)</p> <p>14) Back rest and leg rest both shall have three mattress guards. there should two x holder trays for doing on bed top x ray. The bed should be supplied with removable oxygen cylinder holder made up of SS duly epoxy coated, chart holder and sanitizer holder (SS 304)</p> <p>15) Backrest with adjustment up to 0-80 degree and knee rest adjustment up to 0-45 degree with leg rest to have detachable mattress guard.</p> <p>16) Inspection: The inspection of single bed shall be done by the technical committee after the issuance of supply order. Production of the rest of beds shall be start only after approval from the technical committee post inspection.</p> <p>17) An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
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<p>1) SEMI Fowler bed should be of following dimension: 2200mm L x 1050mm W x 560mm H (without mattress)</p> <p>2) Should have three sections fixed</p> <p>3) Bed frame must be sturdy and stable to support weight of at least 150 kg. the frame structure should be made of 16 G CRC, rectangular/ circular pipe of 60mm x 30mm</p> <p>4) Bed frame should be mounted on round/ rectangular tube of minimum 30mm diameter and 16 G thickness fitted with 125mm castor, 2 with breaks and having rustproof body , twin wheels.</p> <p>5) All adjustments for fowler position must be obtained from crank spring shaft mechanism manually operated with stainless steel foldable handle on both the shaft.</p> <p>6) The finished bed must be rustproof, pre-treated with epoxy polyester antimicrobial powder coated to increase the bacteriostatic property.</p> <p>7) The bed should have Collapsible type safety side railings: the railing should be complete tubular frame work of 25.4 mm dia x 18 G MS square tube, consisting of 7 nos. connecting tube made of SS with round tube of 25.4 mm x 1.2mm thick x 1550 mm L with collapsible mechanism with plunger lock and clamp bracket. It should be attached to the bed frame at three places for more strength. The round tube on the railing should be grey in colour and rest powder coating of railing should be same as that of bed frame. The vertical connecting tubes should be made adjoined to base and top with nut bolt system for easy replacement.</p> <p>8) Should have easily removable head and foot panels made up of ABS with four corner buffers.</p> <p>9) Mattress area of length 2000 to 2010 mm x width 900 to 910mm.</p> <p>10) There should be suitable buffer mechanism to avoid hitting of the bed to walls.</p> <p>11) Should have provision of fixing suitable rod for hanging intravenous / irrigation fluids bottle on both sides at head end and foot end. Each bed should be supplied with 2 nos. good quality telescopic IV rods.</p> <p>12) Should have hooks on bed frame on both sides for holding urine/ drainage bag (at least 4 nos. in each bed) with different colour coding.</p> <p>13) Each bed must be quoted with one mattress of dimension (2000 mm x 900mm) with washable cover of lasting quality. The mattress should be made of high-density PU foam of 100mm thickness & mattress PU density should be minimum 40 kg/m³. the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate)</p> <p>14) Top section, middle section, leg rest both shall have three mattress guards. The bed should be supplied with removable oxygen cylinder holder made up of SS duly epoxy coated, chart holder and sanitizer holder (SS 304)</p> <p>15) Backrest with adjustment up to 0-85 degree</p> <p>16) Inspection: The inspection of single bed shall be done by the technical committee after the issuance of supply order. Production of the rest of beds shall be start only after approval from the technical committee post inspection.</p> <p>17) An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
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<div>1) Hospital plain bed should be of following dimension: 2000mm L x 900mm W x 560mm H (without mattress)</div> <div>2) Should have three sections fixed</div> <div>3) Bed frame must be sturdy and stable to support weight of at least 150 kg. the frame structure should be made of 16 G CRC, rectangular/ circular pipe of 60mm x 30mm</div> <div>4) Bed frame should be mounted on round/ rectangular tube of minimum 30mm diameter</div> <div>5) The finished bed must be rustproof, pre-treaded with epoxy polyester antimicrobial powder coated to increase the bacteriostatic property.</div> <div>6) The bed should have Collapsible type safety side railings: the railing should be complete tubular frame work of 25.4 mm dia x 18 G MS square tube, consisting of 7 nos. connecting tube made of SS with round tube of 25.4 mm x 1.2mm thick x 1550 mm L with collapsible mechanism with plunger lock and clamp bracket. It should be attached to the bed frame at three places for more strength. The round tube on the railing should b grey in colour and rest powder coating of railing should be same as that of bed frame. The vertical connecting tubes should be made adjoined to base and top with nut bolt system for easy replacement.</div> <div>7) Should have easily removable head and foot panels made up of SS duly powder coated</div> <div>8) Mattress area of length 1950 x width 900</div> <div>9) There should be suitable mechanism to avoid hitting of the bed to walls.</div> <div>10) Should have provision of fixing suitable rod for hanging intravenous / irrigation fluids bottle on both sides at head end and foot end. Each bed should be supplied with 2 nos. good quality telescopic IV rods.</div> <div>11) Should have hooks on bed frame on both sides for holding urine/ drainage bag (at least 4 nos. in each bed) with different colour coding.</div> <div>12) Each bed must be quoted with one mattress of dimension (2000 mm x 900mm) with washable cover of lasting quality. The mattress should be made of high-density PU foam of 100mm thickness & mattress PU density should be minimum 40 kg/m3.the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate)</div> <div>13) Top section, middle section, leg rest both shall have three mattress guards., chart holder and sanitizer holder (SS 304)</div> <div>14) Inspection: The inspection of single bed shall be done by the technical committee after the issuance of supply order. Production of the rest of beds shall be start only after approval from the technical committee post inspection.</div> <div>15) An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div>	
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- 1) Fowler bed should be of following dimension: 2200mm L x 1050mm W x 560mm H (without mattress)
- 2) Should have four sections fixed, With x ray compatible top
- 3) Bed frame must be sturdy and stable to support weight of at least 150 kg. the frame structure should be made of 16 G CRC, rectangular/ circular pipe of 60mm x 30mm
- 4) Bed frame should be mounted on round/ rectangular tube of minimum 30mm diameter and 1 mounting 125 mm dia non-rusting twin wheel castor with centre locking mechanism. Wheel centre having precision ball bearing to run smoothly.
- 5) All adjustments for fowler position must be obtained from crank spring shaft mechanism manually operated with stainless steel foldable handle on both the shaft. Backrest adjustment 0 to 82, Knee rest adjustment 0 to 30 ,Leg rest adjustment 0 to 24 ,Trendelenburg tilt 0 to 20 Reverse Trendelenburg 0 to 20, height adjustment with screw mechanism.
- 6) The bed should have Collapsible type safety side railings: the railing should be complete tubular frame work of 25.4 mm dia x 18 G MS square tube, consisting of 7 nos. connecting tube made of SS with round tube of 25.4 mm x 1.2mm thick x 1550 mm L with collapsible mechanism with plunger lock and clamp bracket. It should be attached to the bed frame at three places for more strength. The round tube on the railing should be grey in colour and rest powder coating of railing should be same as that of bed frame. The vertical connecting tubes should be made adjoined to base and top with nut bolt system for easy replacement.
- 7) The finished bed must be rustproof, pre-treated with epoxy polyester antimicrobial powder coated to increase the bacteriostatic property.
- 8) Should have easily removable head and foot panels made up of ABS with four corner buffers.
- 9) Mattress area of length 2000 to 2010 mm x width 900 to 910mm.
- 10) There should be suitable buffer mechanism to avoid hitting of the bed to walls.
- 11) Should have provision of fixing suitable rod for hanging intravenous / irrigation fluids bottle on both sides at head end and foot end. Each bed should be supplied with 2 nos. good quality telescopic IV rods.
- 12) Should have hooks on bed frame on both sides for holding urine/ drainage bag (at least 4 nos. in each bed) with different colour coding.
- 13) Each bed must be quoted with one no. four section mattress of dimension (2000 mm x 900mm) with washable cover of lasting quality. The base frame should be covered with S. Sheet duly powder coated. The mattress should be made of high-density PU foam of 100mm thickness & mattress PU density should be minimum 40 kg/m³. the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate)
- 14) Back rest and leg rest both shall have three mattress guards. there should two x holder trays for doing on bed top x ray. The bed should be supplied with removable oxygen cylinder holder, chart holder and sanitizer holder (SS 304)
- 15) Backrest with adjustment up to 0-80 degree and knee rest adjustment up to 0-45 degree with leg rest to have detachable mattress guard.
- 16) Inspection: The inspection of single bed shall be done by the technical committee after the issuance of supply order. Production of the rest of beds shall be start only after approval from the technical committee post inspection.
- 17) An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.
NABL Test Report of Raw Material used should be submitted

<p>1) Size Buffer to Buffer (2120mm L x 1020 mm W x 450 mm to 770 mm H) + 2% (Without Mattress)Bed frame size (2070 mm L x 960 mm W)Mattress Platform size (1900 mm L x 865 mm W)</p> <p>2) Bed platform be made from 60 mm x 30 mm x 1.2 mm thick tube with proper support. This frame is fitted on the base frame mainly made of 60 mm x 30 mm x 1.6 mm (16 G) ERW tubes with various supporting MS tube size 25.4 mm x 1.2 mm (18 G) and tube size 50 mm x 25 mm x 2 mm (14 G). Bed top and Base frame relates to linkages made with MS sheet size 10 mm thick.</p> <p>3) Backrest Section with X-Ray Permeable Top made from decorative laminated (compact) sheet of 8 mm thick with Cassette Holder and other three sections of bed are fitted with with designs to prevent mattress slippage and for easy breathing of mattress. the cassette holder should have base tray made up ss duly powder coated.</p> <p>4) Mattress arresters (3 no's on each section respectively.) for Both Head & Leg sections.</p> <p>5) Backrest, knee rest, height adjustment and Trendelenburg /reverse Trendelenburg, Positions operated by Electro mechanical adjustment through handset & ACP.Lower leg section should be adjusted by Ratchet Mechanism.</p> <p>6) One touch key provision on ACP for Emergency head down.Provision for function locking and unlocking on ACP.Provision for adjustable chair position on ACP.Provision for manual CPR on both sides operated for backrest in emergency.Provision of key for night lamp on hand set.Battery backup with inbuilt battery charger shall be provided.The ACP shall have indications for power on.</p> <p>7) Backrest and knee rest shall retract as they are individually and simultaneously raised.Backrest adjustment 0° to 85°Knee rest adjustment 0° to 40°Leg rest adjustment 0° to 24°Trendelenburg tilt 0° to 22°.Reverse Trendelenburg tilt 0° to 22°</p> <p>8) Degree indicator required on both the side for backrest, knee rest & Trendelenburg / Reverse Trendelenburg positions.</p> <p>9) All electro mechanical actuators need to be compatible with class of IP 54.</p> <p>10) The base frame is having expanded tube size 31.75 mm x 2.0 mm (14 G) for mounting 125 mm dia non-rusting twin wheel castor with centre locking mechanism. Wheel centre having precision ball bearing to run smoothly.</p> <p>11) The bed has polymer moulded head & foot panels detachable by hand without need of any tool. These head & foot panels are mounted in round bracket size 50 mm OD x 48 mm ID made from MS sheet having 2.0 mm (18 G) thick and welded with bed frame and used along with PVC sleeve. Four corner rubber buffers of 100 MM dia.</p> <p>12) Bed has polymer moulded. (from non-rusting moulded material). Safety side railings on both sides. These shall be fitted to the mattress support sections and should be able to raise and lock through spring lock mechanism. When put down, they should undergo and level with the bed frame.</p> <p>13) There are four locations on the bed to hold one stainless steel Saline rod 12 mm dia. with 31.7 mm dia. x 1.2 mm (18 G) stainless steel SS 304 Grade outer covering tube with a knob to mount syringe pump. This saline pole is mounted on round bracket size 40 mm OD x 32 mm ID made from MS tube and welded with bed frame.</p> <p>14) J hook made from Stainless steel duly powder coated provided to park I.V. Rod when not in use under the bed frame on head side.Built in bed extension of 170 mm extended length is provided.The bed has pull-out linen-holder made of S.S rod 10 mm..Under the bed clearance is min 150-250 mm.</p> <p>15) Patient Working Load – Min 200 kgs. Safe Working Load – 250 kg.</p> <p>16) The hand control box and the nurse hand control should have indications for power on and the battery charge.</p> <p>17) Mattress with wave shape on the both sides with high quality foam 100 mm thickness with 40 density, covered with fabric, flame retardant & antibacterial quality provided in single section.</p> <p>18) Telescopic I.V. Pole with 4 hooks with Proper adjustable height. Urine Bag Holder.Chart Holder Moulded.Nominal 230 V AC. Switch Mode Power Supply: Operating Range from 90 V to 300 V with battery & 150Vac to 300Vac without battery 45/55 Hz Max 2 A All the mechanism electrical and operating mechanism should be housed under SS sheet duly powder coated</p>	
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<ul style="list-style-type: none">• Size Buffer to Buffer (2120mm L x 1020 mm w x 430 mm to 770 mm H) + 2% (without Mattress) Bed frame size (2070 mm L x 960 mm w) Mattress Platform size (1900 mm L x 865 mm w)• Bed platform be made from 60 mm x 30 mm x 1.2 mm thick tube with proper support. This frame is fitted on the base frame mainly made of 60 mm x 30 mm x 1.6 mm (16 G) ERW tubes with various supporting MS tube size 25.4 mm x 1.2 mm (18 G) and tube size 50 mm x 25 mm x 2 mm (14 G). Bed top and Base frame relates to linkages made with MS sheet size 10 mm thick.• Backrest Section with X-Ray Permeable Top made from decorative laminated (compact) sheet of 8 mm thick with Cassette Holder and other three sections of bed are fitted with with designs to prevent mattress slippage and for easy breathing of mattress. the cassette holder should have base tray made up ss duly powder coated.<ul style="list-style-type: none">• Mattress arresters (3 no's on each section respectively.) for Both Head & Leg sections.• Backrest, knee rest, height adjustment ,both side tilt Trendelenburg /reverse Trendelenburg, Positions operated by Electro mechanical adjustment through handset & ACP. Lower leg section should be adjusted by Ratchet Mechanism.• One touch key provision on ACP for Emergency head down. Provision for function locking and unlocking on ACP. Provision for adjustable chair position on ACP. Provision for manual CPR on both sides operated for backrest in emergency. Provision of key for night lamp on hand set. Battery backup with inbuilt battery charger shall be provided. The ACP shall have indications for power on.• Backrest and knee rest shall retract as they are individually and simultaneously raised. Backrest adjustment 0° to 85°Knee rest adjustment 0° to 40°Leg rest adjustment 0° to 24° Trendelenburg tilt 0° to 22°.lateral tilt 15°Reverse Trendelenburg tilt 0° to 22°<ul style="list-style-type: none">• Degree indicator required on both the side for backrest, knee rest & Trendelenburg / Reverse Trendelenburg positions.<ul style="list-style-type: none">• All electro mechanical actuators need to be compatible with class of IP 54.• The base frame is having expanded tube size 31.75 mm x 2.0 mm (14 G) for mounting 125 mm dia non-rusting twin wheel castor with centre locking mechanism. Wheel centre having precision ball bearing to run smoothly.• The bed has polymer moulded head & foot panels detachable by hand without need of any tool. These head & foot panels are mounted in round bracket size 50 mm OD x 48 mm ID made from MS sheet having 2.0 mm (18 G) thick and welded with bed frame and used along with PVC sleeve. Four corner rubber buffers of 100 MM dia.• Bed has polymer moulded. (from non-rusting moulded material). Safety side railings on both sides. These shall be fitted to the mattress support sections and should be able to raise and lock through spring lock mechanism. When put down, they should undergo and level with the bed frame.<ul style="list-style-type: none">• There are four locations on the bed to hold one stainless steel Saline rod 12 mm dia. with 31.7 mm dia. x 1.2 mm (18 G) stainless steel SS 304 Grade outer covering tube with a knob to mount syringe pump. This saline pole is mounted on round bracket size 40 mm OD x 32 mm ID made from MS tube and welded with bed frame.• J hook made from Stainless steel duly powder coated provided to park I.V. Rod when not in use under the bed frame on head side. Built in bed extension of 170 mm extended length is provided. The bed has pull-out linen-holder made of S.S rod 10 mm.. Under the bed clearance is min 150-250 mm.<ul style="list-style-type: none">• Patient Working Load – Min 200 kgs. Safe Working Load – 250 kg.• The hand control box and the nurse hand control should have indications for power on and the battery charge.• Mattress with wave shape on the both sides with high quality foam 100 mm thickness with 40 density, covered with fabric, flame retardant & antibacterial quality provided in single section.• Telescopic I.V. Pole with 4 hooks with Proper adjustable height. Urine Bag Holder. Chart Holder Moulded. Nominal 230 V AC. Switch Mode Power Supply: Operating Range from 90 V to 300 V with battery & 150Vac to 300Vac without battery 45/55 Hz, Max 2.A. All the mechanism electrical and operating mechanism should be housed under SS sheet duly powder coated.<ul style="list-style-type: none">• Electrical Shock Protection: Class 1. Degree of Shock Protection: Type B. Protection Voltage: 300V to 450V. rechargeable Batteries: 2 X 12 Volt Sealed Lead / Acid Gel. Duty Cycle: 10% (Two minutes for Every Eighteen minutes).• All mild steel components should be thoroughly in-house pre-treated chemically to remove rust, grease, oil, etc. by dip-tank processes, including concrete degreasing, pickling, phosphating each followed	
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1. Size - 960 L x 500 W x1545 H mm approx.

2. Trolley with 32 mm Diameter polished SS tubular frame

3. Drawers maximum number possible of adequate size (at least 12) of polished machined bend SS Sheet.They should have corrosion free telescopic channels.

4. Each drawer should have drug labelling slot.

5. Flat surfaces should be stainless steel

6. Two/three rows of hand out bins of different size &colour to hold different sizes of ampoules/vials of emergency medicine.

7. Light weight plastic box with drawers of different sizes and colours to hold emergency medicines, ambubag, further flexible partition should be provided 8 no's for each box for IV solution, catheters etc. (to be supplied separately). Should have cylinder cage made up of 1.6 mm ss strips duly powder coated.Stainless steel saline rod-one.Twin Castor wheels of 12.5 cm diameter Front two having locking arrangement. Pull lout cardiac massage board above drawers with anticovid coating. Oxygen cylinder stand on one side.

8. Facility to carry monitor & suction apparatus.

9. Whole crash cart should be washable.

10. All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.

NABL Test Report of Raw Material used should be submitted

<ul style="list-style-type: none"><ul style="list-style-type: none">• Size - 960 L x 500 W x1545 H mm approx• High-quality SS 304 Body with raised edge design.<ul style="list-style-type: none">• Stainless Steel Guard Rail.• High quality SS Columns for extra strength.• There should be 12 different colour overhead bins for storage.• There should twin wheel castors 125 mm with two brakes.• 5 Drawers with Flexible & adjustable With adjustable Inner partitions of abs• 2 Small Drawer2 Midsize Drawer 1 Big Drawer Label card holders on drawers<ul style="list-style-type: none">• 1 Defibrillator Shelf & 1 Extra Sliding Side Shelf.• The size of top shelf is 670 mm L x 235 mm W made from SS 304 0.9mm (20 G) sheet. Two side support size 237 mm W and 75 mm made from SS 304 2.0 mm (14 G) sheet provided to top shelf.<ul style="list-style-type: none">• 1 CPR Board, Oxygen Cylinder Holder.• Pull lout cardiac massage board above drawers with anticovid coating. SS Oxygen cylinder stand on one side.<ul style="list-style-type: none">• Facility to carry monitor & suction apparatus.• Whole crash cart should be washable.• All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge<ul style="list-style-type: none">• 1 IV Pole, 1 Utility Container, 1 Sharp Container, 2 Dust Bins.• Power Outlet & Hooks.• The whole unit should be powder coated with dark steel grey with ivory combination. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. <p>NABL Test Report of Raw Material used should be submitted</p>	
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<p>1) Length range of delivery bed in mm 2001-2150 width range of delivery bed in mm 800-900</p> <p>2) Purpose, it used in Obstetrics/Gynaecology department for baby delivery in labour room with comfortable requirement of patient and easily accessible professional need for delivery team</p> <p>3) Bed movement functionality Manual control Type of delivery bed actuator Mechanical (Handle Operated) Type of mechanism for controlling with spring mechanism with angular motion of bed Hydraulic mechanism Type of mechanism for functioning or controlling height of bed Hydraulic mechanism</p> <p>4) Number of sections should be provided in bed top 3 Large perineal cut in C shape must be should be provided in seat section</p> <p>5) Side safety belt should be provided Type of side panel Collapsible Number of Side panel 1 Head panel/Board should be provided SS Shape of Head panel D-type Type of Head Panel Detachable type Foot panel should be provided Yes Shape of Foot panel D-type Type of foot Panel Detachable type</p> <p>6) Maximum Adjustable Back Rest Angle in Degree 60 Maximum Trendelenburg Angle in Degree 30 Maximum Reverse Trendelenburg Angle in Degree 30 Adjustable bed height in mm with 5% tolerance 550-850 Diameter.</p> <p>7) THERE IS Provision to convert bed in to table</p> <p>8) Good grip should be provided to head/foot or side panel Delivery bed should be Hand grip /push grip handles on both side</p> <p>9) Adjustable leg rest. Lithotomy position & padded knee crutches should be provided, Slots for IV rod a head section Chromium plated IV rod should be provided Number of hooks should be provided in IV Rod 4</p> <p>10) Availability of Noiseless, non-rusting twin swivel castor wheel/ roller with for easy Mobility & Steering Braking and centre locking mechanism should be provided in castor roller</p> <p>11) Corner buffer should be provided in all four corners to protect patient from collision shock</p> <p>12) Functionality of Foot side panel Detachable type Safe working load capacity of delivery bed in kg 150 Facility of instant non powered/mechanical CPR (Cardiopulmonary Resuscitation) release at the head end for emergency</p> <p>13) Should have hooks on bed frame on both sides for holding urine/ drainage bag (at least 4 nos. in each bed) with different colour coding.</p> <p>14) Each bed must be quoted with one no. mattress of dimension with washable cover of lasting quality. The base frame should be covered with S. Sheet duly powder coated. The mattress should be made of high-density PU foam of 100mm thickness & mattress PU density should be minimum 40 kg/m3.the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate).Mattress shall be made of High resilient & bio-density foam Operating temperature & Humidity 10 -40 Degree Celsius and relative humidity of 15-90%.</p> <p>15) Base frame and support frame should be fabricated using metallic square / rectangular section of adequate cross section and thickness to provide high structural strength and stability ,</p> <p>16) Delivery Bed should be made up of high quality metal, pretreated with materials providing good finish, scratch resistant, bacteriostatic coating Yes Type of powder/Paint coating done to delivery Bed frame, top & side panel Epoxy Polyester Coating 50-60 microns Process used for pre chemically treatment of metallic bed component Dip tank processes (In Case of MS) Provision of easily cleaning /sterilize(Especially Blood Stains)/maintenance to delivery Bed</p> <p>17) Back rest and leg rest both shall have three mattress guards. there should two x holder trays for doing on bed top x ray. The bed should be supplied with removable oxygen cylinder holder ss duly powder coated, chart holder and sanitizer holder (SS 304)</p> <p>18) Material Parameters Material for the frame of bed MS Material Side Safety belt Velcro Material for Head & Foot Panel/Board ABS Plastic Material for Bed top Section</p> <p>19) MS Material of wheels MS Material for IV Rod SS Material for bowl SS Material for waste receptacle bucket SS Material for delivery Bed Mattress PU Foam Dimensional Parameters. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
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1. Overall size: 2030 mm L x 570 mm W x 820 mm H.
2. Mattress Platform: 1810 mm L x 560 mm W.
3. Frame work of Trolley is consists of vertical tube size diameter 31.75 mm x 1.2 mm (18 G) thick, with reinforced at bottom with diameter 34.92 mm x 1.2 mm (12 G) thick tube for fitting castors. The Frame work is mounted on 200 mm castors two with brakes and two without brakes.
4. All horizontal stays are made of tube diameter 25.4 mm X 1.2 mm (18 G).
5. MS flat size 32 mm x 5 mm is welded to frame work to support stretcher.
6. Removable Stretcher Top made from SS tube diameter 25.4 mm x 2.0 mm (14 G) thick and diameter 15.8 mm x 1.2 mm (18 G) thick with epoxy coated top made from 1.2 mm (18 G) ss sheet.
7. Handle is made of SS tube size diameter 25.4 mm x 2.0 mm (14 G) epoxy coated and covered with PVC black color sleeve.
8. Three additional flat supports made from MS flat size 32 mm x 5 mm should be welded to support aluminum sheet top from underneath width wise.
9. Four stump legs made of 25.4 mm 2.0 mm (14 G) ERW tube shall be welded at the bottom of the removable stretcher frame and should be provided with PVC material having nylon reinforced.
10. Safe working load of 135 kgs and patient load bearing capacity of 130 kgs
11. M.S. tubular parts, linkages, flats are to be In-house, pre-treated / shot blasted and Epoxy powder coated with coating thickness 50 to 100 microns.
12. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.
NABL Test Report of Raw Material used should be submitted
13. Safety belts:
14. Each unit must be quoted with one no. mattress of dimension with washable cover of lasting quality. The base frame should be covered with S. Sheet duly powder coated. The mattress should be made of high-density PU foam of 50 mm thickness & mattress PU density should be minimum 40 kg/m³.the water proof cloth used in mattress should have antibacterial and antiviral properties and should be fire retardant (enclose certificate)
15. I.V. Rod with 2 Hooks.
16. All mild steel components should be thoroughly pre-treated chemically to remove rust and foreign matter like Grease, Oil etc. by dip tank process pre- treatment system.
17. The treated Metal Surface should have coating of Epoxy Polyester Powder with paint film thickness of 60 microns (minimum) and oven baked at 180 degree to 200 degree Centigrade to avoid contamination of the clean metal surface from dust particles.
18. Warranty: Three Year

<ul style="list-style-type: none">• Below Frame work made of rectangular CRCA Pipe 60 x 30 mm<ul style="list-style-type: none">• Hi-Low position by hydraulic mechanism• Two Sectional powder coated Top with Mattress<ul style="list-style-type: none">• Head Raise by Ratchet System• Stretcher frame work made up Stainless steel duly powder coated<ul style="list-style-type: none">• Stretcher top is made up x ray translucent tray• Trolley Mobile on Four 150mm. castors two with brakes• Provided with ss powder coated swing away Type Side Rails, One S.S.I.V. Rod, Utility tray & Cylinder Cage made up of SS with powder coated.<ul style="list-style-type: none">• Size: 210 L x 67 W x 65/85 H cms. (Adjustable)• Stretcher Size: 182L x 56W cms.• Pre-treated & Epoxy Powder Coated• Handles should have insulated tubes for easy gripping.• An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
<div>1. Over all approx. size: 40 cms x 40 cms x 82 cms H.</div> <div>2. Body consisting of 2 sides and back is made from one piece made of 20G SS sheet.</div> <div>3. Top shall be fitted with superimposed stainless-steel sheet 304 grade with raised edges on three sides.</div> <div>4. One drawer 100mm H x 350mm W x 390mm D fitted is provided below the top.</div> <div>5. Under the drawer is an open storage space and below it is a closed-door cabinet.</div> <div>6. Door of the cabinet box is pivoted at top and bottom.</div> <div>7. Base of the drawer is fitted with four non-rusting swivel castors.</div> <div>8. Two buffers shall be provided at rear side of the locker box.</div> <div>9. All components should be thoroughly in-house pre-treated chemically to remove rust, grease, oil, etc. by dip tank processes, including separate degreasing, pickling, phosphating each followed by water rinsing passivating and hot air drying to give phosphate coating.</div> <div>10. The treated metal surface should then be coated in-house with epoxy polyester powder with paint film thickness of 60 microns (minimum) and oven baked at 180°C to 200°C.</div> <div>All Stainless Steel used should be of 304 grades. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<div>1. Overall size: 1900 mm L x 945 mm W x 840 mm H With fitted BP tray. 1900 mm x 970 mm W With Step Stool x 840 mm H. 1900 mm L x 560 mm W x 840 mm H without BP Tray and step stool"</div> <div>2. mattress rexine upholstered top 64mm thick in two sections. Body frame work made from 0.9 mm (20 G) CRCA sheet and 20 mm x 40 mm x 1.6 mm (16 G) MS Rectangular Tubes.</div> <div>3. Mattress platform = 1900 mm L x 565 mm W x 65 mm H.</div> <div>4. Headrest made from 1.2 mm (18 G) CRCA sheet and supported with MS flats size 25 mm x 6 mm adjustable on gas spring. Rod for operating gas spring is made from MS having diameter 12.7 mm and having black bush at both ends made from LDP.</div> <div>5. Couch fitted with stainless steel Legs made from 2.0 mm (14 G) SS 304 sheet with nylon bush at bottom of the leg & powder coated.</div> <div>6. Upper section of box approx. size 1220 mm L x 460 mm W x 630 mm H with three sliding drawers of approx. size 320 mm L x 430 mm W x 75 mm H.</div> <div>7. Lower section comprises of three cabinets of approx. inside size 350 mm L x 440 mm W x 430 mm H with SS doors duly powder coated & two with lock.</div> <div>8. Sliding foot step under the front side of lower middle cabinet made from 0.9 mm (20 G) MS CRCA Sheet. Size of Foot Step is 415 mm L x 330 mm W x 205 mm H above floor.</div> <div>9. B.P. apparatus tray made of 1.2 mm (18 G) MS sheet of approx. size 350 mm L x 120 mm W X 20 mm H provided on a swinging rod made from SS 304 having diameter 12 mm rotating through a bush fixed on the body of the couch on head side.</div> <div>10. Safe working load of 170 kgs and patient load bearing capacity of 135 kgs. Supplied in SKD condition.</div> <div>11. M.S. tubular parts, linkages, flats are to be In-house, pre-treated / shot blasted and Epoxy powder coated with coating thickness 50 to 100 microns.</div> <div>12. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</div> <div>13. The treated Metal Surface should have coating of Epoxy Polyester Powder with paint film thickness of 60 microns (minimum) and oven baked at 180 degree to 200 degree Centigrade to avoid contamination of the clean metal surface from dust particles.</div> <div>14. Warranty: Three Years</div>	
<div>Material of Mattresses PU Foam</div> <div>Density of Material of Mattress 40Kg/m3</div> <div>Fire Retardant, Anti-Microbial and Water proof (as per IPX – 54 standard) properties of cover for Mattress Yes</div> <div>Overall Length 1830 mm</div> <div>Overall Width 915 mm</div> <div>Thickness of Mattress 101.6 mm An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<p>Material of Mattresses PU Foam Density of Material of Mattress 40Kg/m3 Fire Retardant, Anti-Microbial and Water proof (as per IPX – 54 standard) properties of cover for Mattress Yes Overall Length 1830 mm Overall Width 915 mm Thickness of Mattress 101.6 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Material of Mattresses PU Foam Density of Material of Mattress 40Kg/m3 Fire Retardant, Anti-Microbial and Water proof (as per IPX – 54 standard) properties of cover for Mattress Yes Overall Length 1830 mm Overall Width 915 mm Thickness of Mattress 101.6 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Made from cotton, this blanket provides comfort and warmth to patients. Designed for easy washing and long-lasting durability. It is lightweight yet provides adequate warmth for patients in hospital settings. Approx. size: 1500 mm (L) × 1000 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Crafted from 100% cotton, this blanket is breathable, soft, and gentle on the skin. It is ideal for patients requiring soft warmth without overheating. The fabric is highly absorbent, making it suitable for long-term use. It is also easy to wash and maintain. Approx. size: 2000 mm (L) × 1500 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Made from high-quality wool, this blanket offers excellent warmth and comfort. It is ideal for colder environments and patients who need extra warmth. The wool is naturally breathable and moisture-wicking, ensuring patients remain warm but not overheated. Approx. size: 2000 mm (L) × 1500 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	

<p>This bed sheet is made from soft, durable cotton, providing comfort and breathability. It is designed to fit standard hospital beds, with elastic edges for a snug fit. Ideal for preventing skin irritation while providing a smooth, cool surface for patients.</p> <p>Approx. size: 2000 mm (L) × 1000 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Made from high-quality, biodegradable materials, these bed sheets are single-use and hygienic. Ideal for reducing the risk of cross-contamination and infection. It is highly absorbent and provides comfort to patients. Easy to dispose of after use, ensuring a clean and safe environment.</p> <p>Approx. size: 2000 mm (L) × 1000 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Designed for patient comfort and ease, this bed sheet is made from soft, skin-friendly fabric such as cotton or polyester blends. It is resistant to wear and tear, highly absorbent, and hypoallergenic. Often used for long-term patient care, ensuring a comfortable, sanitary environment.</p> <p>Approx. size: 2000 mm (L) × 1000 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>This bed sheet features a quilted design that adds an extra layer of softness and comfort for patients. Typically made from cotton or polyester blends with a light fill, it provides additional cushioning and warmth. Ideal for patients requiring extra support while lying in bed.</p> <p>Approx. size: 2000 mm (L) × 1000 mm (W). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

Laoratory Furniture

<p>A freestanding, multi-purpose workstation for laboratory use. Made from chemical-resistant wood, metal, or epoxy resin with integrated storage for lab tools. Features ample workspace and adjustable height options for ergonomic use. Ideal for research labs and classrooms.</p> <p>Approx. size: 1800 mm (L) × 900 mm (W) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
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<p>A sturdy and durable table designed for industrial, technical, or laboratory work. The frame is made from heavy-duty MS (mild steel) or powder-coated steel, offering excellent load-bearing capacity. The top is made from high-pressure laminate, hardwood, or stainless steel, depending on the use—resistant to scratches, chemicals, and heat. It may include options for under-table storage like drawers or cabinets. The bench has adjustable legs or leveling feet for stability on uneven surfaces and is available in modular sizes. Often used in workshops, labs, maintenance areas, and production lines.</p> <p>Approx. size: 1500 mm (L) × 750 mm (W) × 850 mm (H) (Custom sizes available as per requirement). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Sturdy construction with wood, metal, or epoxy resin worktop, resistant to chemicals and stains. Equipped with ample workspace for equipment and materials. Adjustable height for ergonomic use, with options for storage like drawers or shelves. Available in various sizes to fit lab spaces. Approx. size: 1200 mm (L) × 600 mm (W) × 750 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Ergonomically designed stools for comfort, available in wood, metal. Revolving stools with smooth swivel mechanisms. Anti-slip footrests for safety. Suitable for use at lab desks or workstations. Approx. size: 400 mm (W) × 400 mm (D) × 800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Comfortable, durable chairs designed for long hours, with adjustable height and ergonomic backrests. Available in plastic, metal, or fabric. Non-slip base with wheels for easy mobility. Ideal for lab desks.</p> <p>Approx. size: 500 mm (W) × 500 mm (D) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Designed to safely contain fumes, vapors, and gases, with high-performance exhaust fans and filters. Available in various sizes with adjustable airflow settings. Made from corrosion-resistant materials. Includes safety mechanisms such as emergency ventilation. Approx. size: 1200 mm (W) × 600 mm (D) × 2200 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Flame-retardant materials for secure chemical storage. Lockable with multiple shelves and a vented design to prevent gas accumulation. Available in various sizes, often with adjustable shelves. Meets safety standards. Approx. size: 900 mm (W) × 450 mm (D) × 1800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Stainless steel or chemical-resistant sink with a drainboard for drying lab equipment. Includes faucet and hose connection for easy water access. Resistant to stains and corrosion from chemicals. Approx. size: 800 mm (L) × 500 mm (W) × 300 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

Multi-functional workstations with durable work surfaces resistant to chemicals and impacts. Includes storage options like drawers and shelves. Adjustable height for ergonomic use and integrated power outlets. Approx. size: 1500 mm (L) × 750 mm (W) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Space-saving shelves designed to hold laboratory equipment and materials. Available in adjustable sizes to fit specific spaces. Made from metal or plastic. Ideal for organizing frequently used items. Approx. size: 1200 mm (L) × 300 mm (D) × 600 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Large, durable sinks designed to withstand heavy use and chemical exposure. Includes faucet with easy drainage options. Available in wall-mounted or under-counter designs. Approx. size: 600 mm (L) × 500 mm (W) × 300 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Emergency eyewash station for quick decontamination. Made from stainless steel or durable plastic with a pressurized eyewash system. Meets ANSI standards. Approx. size: 400 mm (L) × 400 mm (W) × 600 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Workbenches with under-shelf storage for organizing lab tools and materials. Made from chemical-resistant materials. Adjustable height for ergonomic use. Approx. size: 1500 mm (L) × 750 mm (W) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Chemical-resistant waste bins for safe disposal of lab waste. Features a secure lid to prevent contamination. Available in various sizes for different waste types. Approx. size: 400 mm (L) × 400 mm (W) × 600 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
OFFICE FURNITURE	
Dimension: D 900 X W 2000 X H 700 - 1200 MM Material: Veneer Top & Panel Leg Finish/Colors: Various Note: Height Adjustable . An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	

<p>Dimension: D 1022 X W 5214 X TH 1100 MM</p> <p>Material: 17mm chipboard covered with veneer, MFC, 18mm MFC melamine with 2mm ABS edging.</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: D 1800 X W 4000 X TH 750 MM</p> <p>Material: Table tops are available in melamine or laminate. Die-cast Aluminium legs.</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: D 1200 X W 2400 X TH 740 MM</p> <p>Material: Top Available in MFC, Veneer (Oak and Walnut) with wooden legs</p>	
<p>Sturdy MS or wood frame with a smooth, laminated tabletop. Designed to accommodate a desktop monitor, keyboard tray, and CPU unit. Includes space for cables and storage options like drawers or shelves. Available in various sizes (e.g., 900 mm × 600 mm, 1200 mm × 600 mm). Compact and ergonomic design, suitable for offices, study areas, or home use. Optional features include a side cabinet or additional shelves for peripherals. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified</p>	
<p>An ergonomic chair designed for long hours of computer work, offering comfort, support, and adjustability. Features a cushioned seat with breathable mesh or fabric backrest to promote air circulation and reduce fatigue. Includes height adjustment, tilt mechanism, and 360° swivel for ease of movement. Some models also offer lumbar support and fixed or adjustable armrests. The base is typically made from strong nylon or metal with caster wheels for smooth mobility on different floor types. Ideal for office, home office, or workstation use.</p>	
<p>A stand or trolley designed for holding a computer monitor, CPU, and peripherals. Made from metal or plastic, with adjustable height options. Includes additional storage for keyboard, mouse, and other accessories.</p>	
<p>Approx. size: 600 mm (L) × 400 mm (W) × 800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified</p> <p>Compact MS frame with a powder-coated finish for durability. Designed to fit under desks, with 2 or 3 drawers for file and stationery storage. Includes smooth sliding channels and a central locking system for security. Approx. size: 400 mm (W) × 500 mm (D) × 600 mm (H), customizable to fit desk dimensions. Features include ergonomic handles and anti-tip mechanisms for stability. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified</p>	
<p>Material: High-quality mild steel (MS) frame with powder-coated finish for corrosion resistance</p> <p>Drawer Configuration: 3 drawers (1 for files, 2 for stationery) with central locking system</p> <p>Size: Approx. 400 mm (W) × 500 mm (D) × 600 mm (H) (customizable)</p>	
<p>MainMaterial: Leather/sponge/iron</p> <p>Headrest:Conjoined LumbarSupport:/ Armrest: Fixed Seat:PVCMaterial</p>	
<p>Seat:Leather/sponge/iron</p> <p>MainMaterial:Plastic/sponge/iron</p> <p>Headrest: Lifiable LumbarSupport:FixedArmrest: Fixed</p>	
<p>Seat:Breathable mesh Original sponge</p> <p>Dimension: D 460 X W 500 - 700 X TH 830 MM (With headrest)</p> <p>Material: Polypropylene</p>	
<p>Base: Five star polished aluminium or black (polyamide) with fiberglass</p> <p>This high-back revolving chair is designed for comfort and support during extended periods of sitting. It features an ergonomic design with adjustable height, lumbar support, and a high backrest that provides support for the entire back, including the shoulders and neck. The chair is typically made with breathable fabric or leather upholstery and has a sturdy swivel base, often equipped with caster wheels for easy movement. It is ideal for use in offices, conference rooms, or home offices. The chair also features adjustable armrests for added comfort.</p>	
<p>This mid-back revolving chair is designed to offer a balance between comfort and support. The backrest supports the lower and mid-back, ideal for moderate sitting hours. It features a swivel mechanism, allowing users to rotate 360 degrees, and is equipped with an adjustable seat height to ensure ergonomic alignment. Typically upholstered in fabric, mesh, or synthetic leather, it offers breathability and durability. The chair is often fitted with casters for easy mobility and fixed or adjustable armrests for added support. Suitable for office spaces, home offices, or meeting rooms.</p> <p>Approx. size:</p> <p>Seat Width: 450 mm</p> <p>Seat Depth: 450 mm</p>	

Material: Upholstered Seat Pad, Wooden Frame, One Piece Polypropylene Shell Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Main Material: Plastic/sponge/iron Headrest:/ Lumbar support: Fixed	
Main Material: Plastic/sponge/iron Lumbar support: Fixed Armrest: Fixed	
Dimension: D 660 X W 680 X H 900 MM Material: Base and armrest is Aluminium with Polyurethane foam cushion	
A basic office chair designed for comfort and durability, featuring a sturdy 4-leg base, ideal for various office environments. The chair includes fixed armrests for additional support, ensuring comfort during extended sitting. Made with a durable, breathable fabric or leatherette upholstery, this chair offers a simple design that fits into both formal and casual office settings. It provides a supportive backrest and comfortable seating for tasks requiring moderate sitting periods. The 4-leg frame ensures stability and support, and the chair is easy to maintain. Approx. size: Seat Width: 450 mm Seat Depth: 450 mm Seat Height: 450 mm - 500 mm Backrest Height: 800 mm Overall Height: 900 mm - 950 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted	
Dimension: D 520 X W 480 X H 780 MM Material: Base with solid wood + lacquer and plywood	
Made of high-grade SS 202/304 with a polished, rust-resistant finish Perforated SS seat and back for ventilation Integrated SS armrests and anti-slip leg stoppers	
Constructed using high-quality SS 202/304 with polished anti-corrosive finish Perforated stainless steel seat and backrest for breathability Features integrated SS armrests and rubber-tipped legs for floor protection	
Durable MS cantilever frame with powder-coated finish Seat and backrest in high-density foam with PU/leatherette or fabric upholstery Sleek metal armrests with cushioned or polypropylene tops (optional)	
Sturdy MS frame with powder-coated finish for rust resistance Tabletop made of laminated plyboard (18–25 mm thick) for durability One drawer made of MS sheet with smooth sliding channels and lockable option	
Robust MS frame with powder-coated finish for long-term use Tabletop made from laminated plyboard (18–25 mm thick) in wood grain or solid color Two MS drawers with smooth telescopic channels and central locking system	
Sturdy mild steel (MS) frame with powder-coated finish in standard colors Laminated plyboard tabletop (18–25 mm thick) with smooth edges and finish Three drawers made of MS, mounted on telescopic channels with centralized locking	

<p>A stylish and functional table designed for use in waiting areas, lounges, or offices. The tabletop is made of toughened or tempered glass, offering durability and a sleek appearance. The frame is constructed from metal, wood, or MDF with a polished or powder-coated finish for stability and aesthetic appeal. Often includes lower shelves or compartments for magazines or decorative items. Easy to clean and maintain, this table complements both modern and classic interiors.</p> <p>Approx. size: 1000 mm (L) × 500 mm (W) × 450 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A functional and durable center table suitable for offices, lounges, or reception areas. The top is made of high-quality plyboard finished with laminate, veneer, or melamine for a smooth and elegant look. The frame is constructed from sturdy MS (mild steel) or wooden legs, offering reliable support and long-term use. May include an under-shelf for storage of magazines or accessories. Designed for easy cleaning and low maintenance, it blends well with various interior styles.</p> <p>Approx. size: 1000 mm (L) × 500 mm (W) × 450 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A compact and space-saving table designed to fit neatly into room corners, ideal for use in homes, offices, or reception areas. Made from engineered wood, MDF, or plyboard with a laminated or polished finish for a clean look. Supported by sturdy wooden or metal legs for stability. Often includes one or two small shelves or compartments for decorative items, books, or utility storage. Its triangular or L-shaped design optimizes unused space while adding a functional and decorative element.</p> <p>Approx. size: 600 mm (L) × 600 mm (W) × 450 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: 1800 mm (L) × 800 mm (W) × 900 mm (H).</p> <p>Material: Fully upholstered sofa with steel rod base.</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: 1500 mm (L) × 800 mm (W) × 900 mm (H).</p> <p>Material: Non-Flammable foam, Upholstered sofa</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: 800 mm (L) × 800 mm (W) × 900 mm (H).</p> <p>Material: Fully upholstered sofa with steel rod base.</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Dimension: D 2*800 x W 1400 - 1600 MM</p> <p>Material: Powder-coated frame: Jet black, MFC, Sliding table tops</p> <p>Finish/Colors: Various. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Rack made of commercial board with both side Mica Laminated</p> <p>Shelves: 5</p> <p>Size: 2400H x 900W x 600D mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<p>Rack made of commercial board with both side Mica Laminated</p> <p>Two Doors</p> <p>Two Shelves with three compartments</p> <p>Size: 1200 mm x 1200 mm x 400 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Wholly made of CRCA Sheet</p> <p>Doors: 2</p> <p>Shelf with 2 big plain compartment and 3 half plain compartment</p> <p>Handle with Six Lever Lock</p> <p>Color: Ash grey</p> <p>Size: 1981.2 x 914.4 x 482.6 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Cabinet made of CRCA Sheet</p> <p>Six Pigeon hole locker</p> <p>Colour: Ash grey</p> <p>Overall Size: 914.4L x 482.6W x 1981.2H mm</p> <p>Epoxy polyester powder coated. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Frame made of MS</p> <p>Shelves Made of MS Sheet</p> <p>Back and Both side made of MS Sheet</p> <p>Open type Rack</p> <p>Shelves: 4 shelves</p> <p>Ground Clearance: 45 mm</p> <p>Color: As per Buyer Requirement</p> <p>Size: 3075H x 915W x 380D mm . An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Supplying of Display Racks 5 shelved made of MS sheets (6.6" x 2.9" x 1.2") including all cost and carriage of material upto site of work complete. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<p>Model QIC SRK-12A Material MS Rack Type Wall Rack Shelve 2,3,4,5,6,7 Shelves Size 7' x 3' x 18'' 7' x 3' x 15'' 7' x 3' x 15'' 7' x 3' x 12'' 7' x 3' x 12'' 7' x 3' x 12'' . An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Cabinet made of Mild steel Drawers: 2,3,4 Drawers 10 Lever cam lock with lock lever Load Bearing Capacity (each shelf): 35 kg Overall Size: 380W x 450D x 1830H mm Pre-treated and Epoxy Powder Coated. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Material wood No. of drawer 03 Locking System Centralized lock Drawer Size 18"D x 16"W x 12"H Dimension 18"D x 16"W x 36"H. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Material CRCA Steel Sheet Door Type Transparent glass door Shelf Configuration Four-door shelf Coating Epoxy Powder Coated Colour Grey Size 1742 mm (H) × 320 mm (D). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	
<p>Size : 78"(Height) X 36"(Width) X 19"(Depth) inch Finishing : Powder Coating Welded Construction , Crca Material Glass Door Cupboard With 4 Adjustable Shelves. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified. NABL Test Report of Raw Material used should be submitted</p>	

<p>Material Steel</p> <p>Special feature Adjustable, durable, space saving detachable and heavy duty</p> <p>Style Modern</p> <p>No of Shelves 05</p> <p>Section Size 5'3"H x 2'8"L x 1'4"D</p> <p>Dimension 42.7D x 85.3W x 161.5H cm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A compact and practical storage solution for shoes, made from metal, wood, or plastic. Comes with multiple tiers to store shoes in an organized manner. Can be wall-mounted or freestanding with easy assembly. Designed to be durable and space-efficient.</p> <p>Approx. size: 900 mm (L) × 300 mm (W) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Sturdy mild steel (MS) frame with powder-coated finish for rust and scratch resistance</p> <p>Approx. size: 900 mm (W) × 450 mm (D) × 1800 mm (H)</p> <p>6 individual locker compartments, each with its own lock and key</p> <p>High-quality individual locks with key or combination lock options</p> <p>Vented doors for proper air circulation</p> <p>Metal doors with perforated panels for easy access and visibility</p> <p>Each locker includes a shelf and a hanging rod for clothes</p> <p>Available in a variety of colors (e.g., grey, blue, or customized)</p> <p>Ergonomically designed metal or plastic handles. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A sturdy cabinet designed for storing audiovisual equipment like speakers, projectors, and multimedia devices. Made from wood, metal, or glass with proper ventilation for heat dissipation. Adjustable shelves to accommodate different equipment sizes. Available with lockable doors for security.</p> <p>Approx. size: 1200 mm (L) × 500 mm (W) × 1000 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<ul style="list-style-type: none">• Mobile Compactors/ shelving systems maximize existing storage space.• Eliminating aisles and compact several storage cupboards into a much smaller amount of space.<ul style="list-style-type: none">• The systems provide highest possible density for storing files and other documentary.• Shelfe are vertically adjustable in 1 inches increments.• Every single bay come with 4 pieces adjustable shelve.<ul style="list-style-type: none">• Customizable sizes as per client's requirements• Superior Quality and Performance• Robust Construction <p>Material MS/SS</p> <p>1BayDimension H2000 x W1150 x D800MM</p> <p>2BayDimension H2175 x W2300 x D800MM</p> <p>4BayDimension H2175 x W2440 x D915MM</p> <p>5BayDimension H2175 x W2860 x D915MM</p> <p>6BayDimension H2175 x W3270 x D915MM</p> <p>7BayDimension H2175 x W3700 x D915MM</p> <p>7BayDimension H2175 x W4120 x D915MM</p> <p>9BayDimension H2175 x W4540 x D915MM</p> <p>10BayDimension H2175 x W4960 x D915MM</p> <p>Thickness Chassis:2.5MM, LayerPanel:0.8MM</p> <p>Column:1.2MM, Track:20*20MM, Bracket:0.8MM; Door Panel:0.9MM, Side Panel:0.9MM</p> <p>Layer 4-10 Bay/ Can be Customized</p> <p>Load Capacity 100-4000 KG/Level</p> <p>Color As per client's requirement</p> <p>Feature Corrosion Protection</p> <p>Finish Powder Coating. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Powder-coated steel or anodized aluminum frame for durability. Smooth dry-erase surface for whiteboards or cork/velvet surface for notice boards. Available in standard sizes (600 mm × 900 mm, 900 mm × 1200 mm) or custom dimensions. Wall-mounted with brackets or hanging options for easy installation. Features include a magnetic surface for whiteboards or pin-up capability for notice boards. Optional accessories like marker trays, magnets, or pins available. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Made of Wood/Metal designed to organize and hold documents. Features multiple tiers for efficient document sorting and easy access. Available in sizes such as 250 mm (W) × 350 mm (D) × 100 mm (H) per tier. Can be stackable or wall-mounted for space-saving. Ideal for offices, desks, and workstations. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A stand designed to organize and display newspapers and magazines in an organized manner. Made from metal, wood, or acrylic, with multiple compartments for different publications. Space-efficient and easy to place in offices or public spaces.</p> <p>Approx. size: 600 mm (L) × 300 mm (W) × 1200 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

<div><div><div>A mobile stand designed for holding projectors, with height adjustable features for optimal viewing angles. Made from metal or durable plastic, with lockable wheels for easy movement and stability. Can be used in classrooms, offices, or auditoriums.</div><div>Approx. size: 600 mm (L) × 450 mm (W) × 1200 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>A decorative and secure unit designed for showcasing trophies and awards. Made from glass, wood, or metal with multiple shelves for display. Available with a lockable glass door to protect valuable items.</div><div>Ideal for offices, schools, or sports clubs.</div><div>Approx. size: 800 mm (L) × 400 mm (W) × 1800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>A table or stand designed to hold water coolers securely. Made from metal, wood, or plastic, with additional storage space for cups or bottles. Features proper ventilation to prevent overheating of the water cooler.</div><div>Approx. size: 600 mm (L) × 400 mm (W) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>Available in a variety of materials like plastic, mild steel (MS), or stainless steel (SS), designed for waste disposal. Features a smooth, easy-to-clean surface and a sturdy lid to minimize odor. Available in</div><div>different sizes for both indoor and outdoor use.</div><div>Approx. size: 400 mm (L) × 400 mm (W) × 600 mm (H) (for small units). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>School/Institute Furniture</div></div></div>	
<div><div><div>Constructed with a durable wood or metal frame and laminated surface. The adjustable version allows height customization for growing students. Suitable for classrooms or study areas. Approx. size: 900 mm (L) × 600 mm (W) × 750 mm (H) for single seater. Available in dual-seater configurations. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>Sturdy and comfortable seating made from metal, designed for long use. Ergonomically shaped backrest for support. Available in stackable or fixed frame options. Approx. size: 400 mm (W) × 400 mm (D) × 800 mm (H). Ideal for classrooms. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>Large tables designed for group activities, made from wood, MDF, or metal. Available in circular or rectangular designs, offering a collaborative workspace for students.</div><div>Approx. size: 1500 mm (L) × 900 mm (W) × 750 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	
<div><div><div>Stackable chairs designed for efficient storage. Made from plastic, metal, or wood, with ergonomic backrests for comfort during extended sitting.</div><div>Approx. size: 400 mm (W) × 400 mm (D) × 800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div><div>NABL Test Report of Raw Material used should be submitted</div></div></div>	

<div>main material: Solid wood / Iron / Plastic</div> <div>Packing Type: Corrugated Carton</div> <div>E0 solid core board of Albasia wood</div> <div>Multi-functional book holder and storage slots Stationary drawer organizer</div> <div>Side hook for hanging a school bag, silicone book blocking strip Hand crank lifting (490-720mm)</div> <div>Adjustable tilting surface (0°-50°) Matching W80×D60×H49-72. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>A podium designed for teachers to stand and address the class. Made from wood or metal, often with a storage compartment for materials.</div> <div>Approx. size: 600 mm (L) × 600 mm (W) × 1200 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Comfortable, durable seating designed for auditoriums or large lecture halls. Includes cushioned seats and backs for added comfort. Available in various configurations, with or without armrests.</div> <div>Approx. size: 600 mm (W) × 600 mm (D) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Magnetic dry-erase surface for whiteboards or chalk-friendly green slate for greenboards. Suitable for classroom teaching and presentations. Wall-mounted with included mounting hardware. Approx. size:</div> <div>1200 mm (L) × 900 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Magnetic dry-erase surface for greenboards. Suitable for classroom teaching and presentations. Wall-mounted with included mounting hardware. Approx. size: 1200 mm (L) × 900 mm (H). An bidder</div> <div>should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>A classic teaching and presentation surface used in classrooms, training rooms, and educational institutes. Made from a high-quality non-reflective matte surface, typically in dark green or black color, allowing clear visibility of chalk writing. The board is mounted on a durable backing like MDF or particle board and framed with an aluminum or wooden frame for stability. Scratch-resistant and easy to clean with a duster or damp cloth. Available in wall-mounted or stand-mounted formats depending on the space.</div> <div>Approx. size: 1200 mm (L) × 900 mm (H) (custom sizes available). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>A durable and stable structure designed to support boards in classrooms, offices, or training environments. Made from powder-coated MS (mild steel) pipes for strength and corrosion resistance. The stand is typically height-adjustable and may include caster wheels with locking mechanisms for easy mobility and secure placement. Suitable for both single and dual-sided boards, depending on the model. The frame includes board clamps or brackets for secure attachment, and the base is wide enough to prevent tipping during use.</div> <div>Approx. size:</div> <div>Width: Adjustable to fit boards up to 1200 mm – 1800 mm</div> <div>Height: 1500 mm – 2000 mm (adjustable). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	
<div>Space-saving design with hooks or shelves to organize student bags. Helps keep classrooms tidy and organized. Can be wall-mounted or standalone. Approx. size: 900 mm (L) × 300 mm (D) × 1500 mm</div> <div>(H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</div> <div>NABL Test Report of Raw Material used should be submitted</div>	

<p>Individual lockable units with shelves and a hanging rod for personal belongings. Made of durable metal or wood with ventilation. Secure design for student use. Approx. size: 450 mm (W) × 450 mm (D) × 1800 mm (H) per unit. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A sturdy and comfortable bench designed for quiet reading and study environments such as libraries, study halls, or institutions. Constructed with a robust MS (mild steel) or wooden frame for durability and stability. The seat is made from solid wood, plyboard, or laminated top, offering a smooth and easy-to-clean surface. Designed to seat two to three users comfortably with or without a backrest depending on preference. The design is minimalistic, allowing it to blend well in academic or professional spaces.</p> <p>Approx. size: 1200 mm (L) × 350 mm (W) × 450 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A comfortable and ergonomically designed chair ideal for prolonged sitting in libraries and study zones. Built with a strong MS (mild steel) or wooden frame to ensure stability and longevity. The seat and backrest are made from plywood, molded wood, or cushioned with fabric or leatherette upholstery, depending on preference. Designed to promote good posture during reading or studying, the chair is lightweight for easy rearrangement yet sturdy enough for regular institutional use. Optional features may include a slight tilt or contoured backrest for added support.</p> <p>Approx. size: Seat Height: 450 mm Seat Width: 450 mm Backrest Height: 900 mm (overall) Depth: 450 mm. An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A robust and spacious storage unit designed for organizing books, documents, and reference materials in libraries and study areas. Made from high-quality CRCA steel or powder-coated MS for durability and resistance to rust and corrosion. It features multiple adjustable shelves, typically 4 to 5 in number, allowing flexible storage. The almirah may have glass panel doors for visibility or solid doors for secure storage, with a locking mechanism for safety. Ideal for institutional and school libraries to ensure neat and efficient storage.</p> <p>Approx. size: 900 mm (L) × 450 mm (W) × 1800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A table designed for group meals, typically made from wood or metal. Seats multiple people and may come with chairs or benches for seating.</p> <p>Approx. size: 1500 mm (L) × 750 mm (W) × 750 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>Comfortable chairs designed for dining areas in hostels, usually made from wood or plastic with simple, sturdy construction.</p> <p>Approx. size: 400 mm (W) × 400 mm (D) × 800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A space-saving bed with two or more sleeping levels, typically made of metal or wood. Designed for student hostels, it offers sturdy construction with safety rails and ladders for upper bunks.</p> <p>Approx. size: 2000 mm (L) × 900 mm (W) × 1800 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	
<p>A standard bed designed for individual use, made from metal or wood with a comfortable mattress. Comes with storage options like drawers or an under-bed space for additional items.</p> <p>Approx. size: 2000 mm (L) × 900 mm (W) × 450 mm (H). An bidder should be ISO 9001, 14001, 45001 NABACB/ IAF Certified.</p> <p>NABL Test Report of Raw Material used should be submitted</p>	

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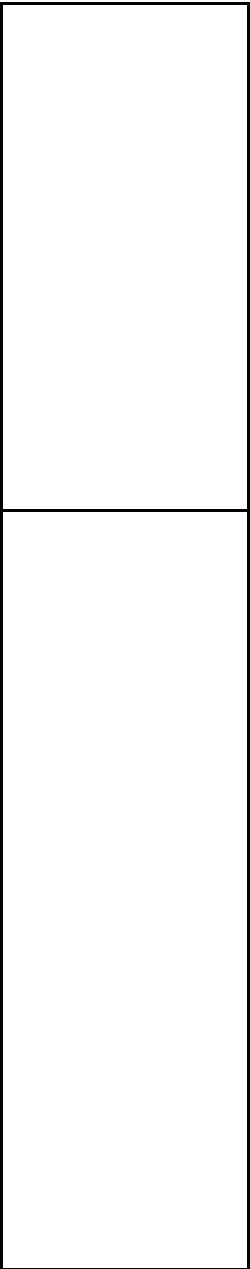
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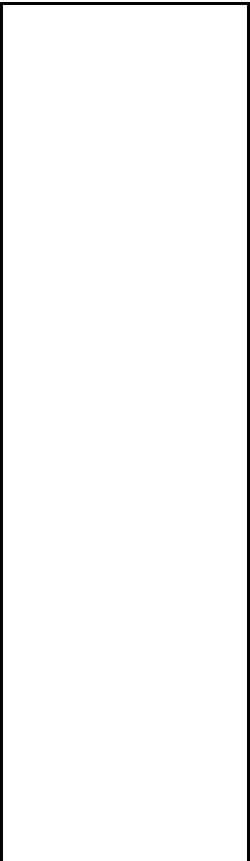
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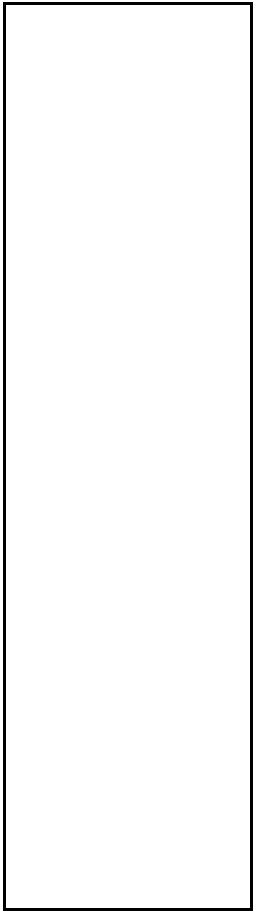
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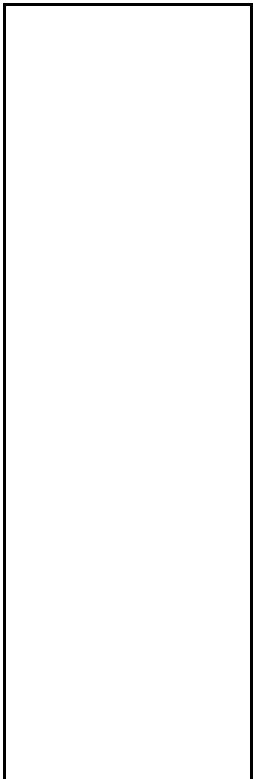
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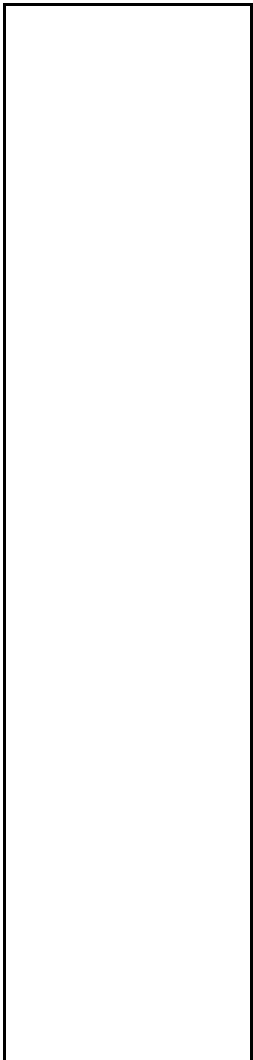


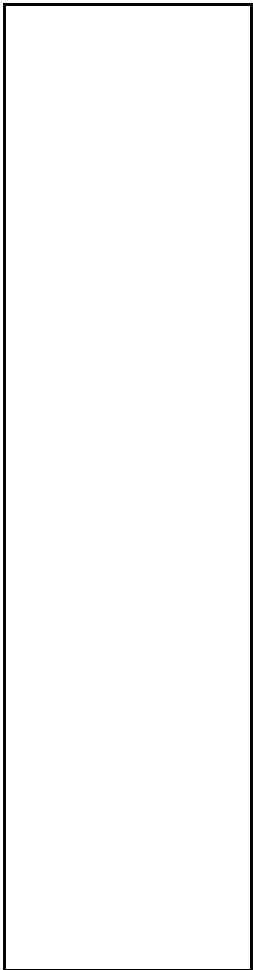
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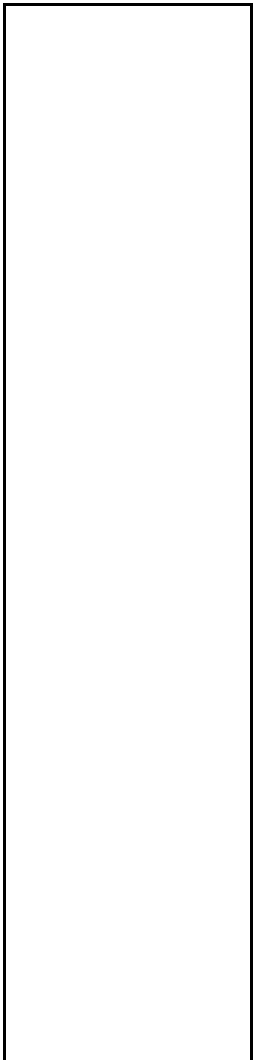


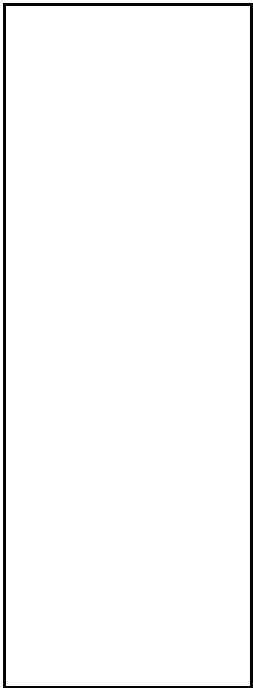


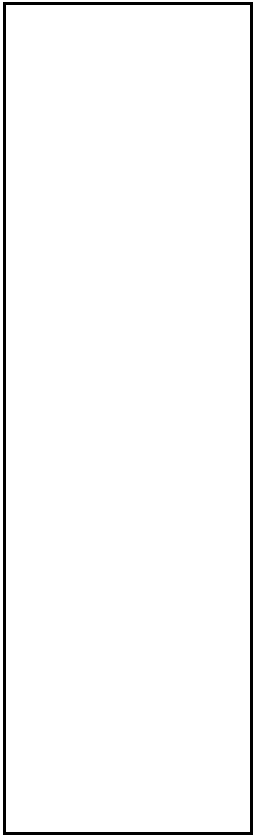


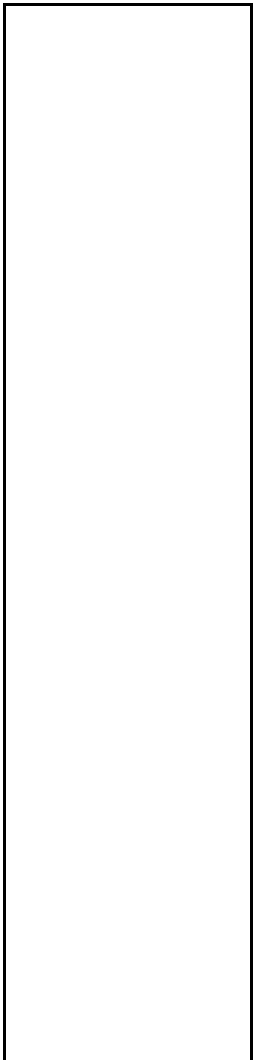


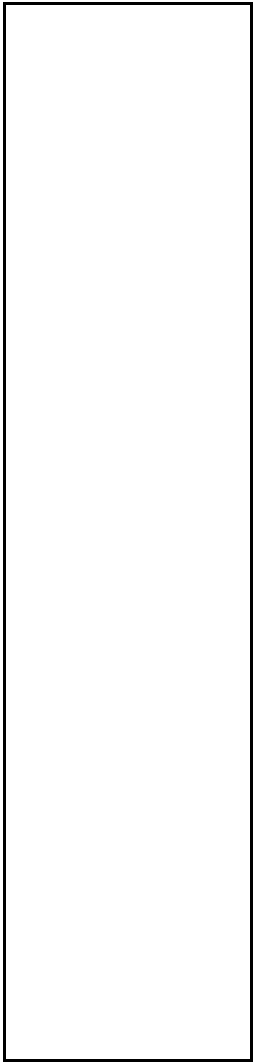


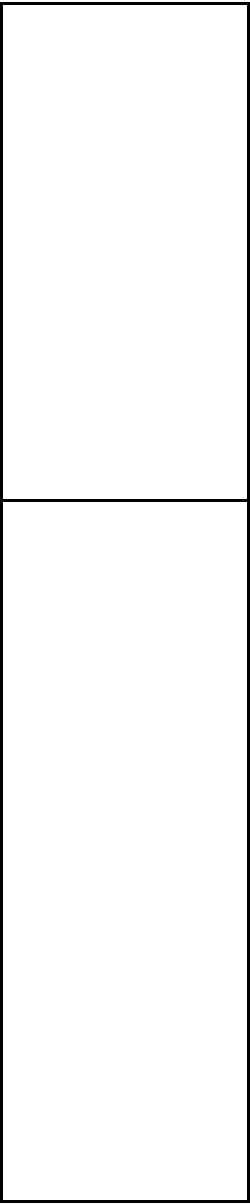












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PRICE BID/ FINANCIAL BID

Misc Disaster & Interior/Electronic Item etc

Sr. No.	Product Name	Product Specification	UQC	Rate as per unit quantity (In Rupees)
Sr No.	Items	Discription	NOS	
1	22" MONITOR MICROMAX MODEL: MM215FH76	Monitors/ LED	NOS	
2	LED MONITOR 22"	Monitors/ LED	NOS	
3	LED MONITOR 19" (WITHOUT HDMI)	Monitors/ LED	NOS	
4	LED MONITOR 43" (Industrial grade for 24x7 monitoring)	Monitors/ LED	NOS	
5	LED MONITOR 32"	Monitors/ LED	NOS	
6	LED MONITOR 19" WITH HDMI	Monitors/ LED	sqft	
7	CAT 6 CABLE with Connectors and Conduit	Cables and connecotrs	per metre	
8	2 Core Multi-Strand Cable - Per Metre	Cables and connecotrs	per metre	
9	2 Core Armoured Cable - Per Metre	Cables and connecotrs	sqft	
10	Junction Box	Cables and connecotrs	sqft	
11	BNC CONNECTOR GOLD PLATED	Cables and connecotrs	sqft	
12	DC PINS	Cables and connecotrs	sqft	
13	BNC CONNECTOR GOLD PLATED	Cables and connecotrs	NOS	
14	HD 16 Channel, H.265, Full channel @ 1080P resolution real-time recording, Dual-stream, HDMI and VGA outputs (1920×1080P), 1 audio in, 1 audio out, 2 SATA hard disk interface, up to 6TB capacity, 2 USB interfaces, up to 16 channel synchronous playback @ upto 1080P. (Metal Enclosure)	Channel	NOS	
IP Camera				

15	1.3MP Dome Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE, Built-in Micro SD/SDHC/SDXC card slot, up to 128G	CCTV and its accessories	NOS	
16	1MP Dome Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE	CCTV and its accessories	NOS	
17	1.3MP Bullet Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE	CCTV and its accessories	NOS	
18	2MP Dome Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE	CCTV and its accessories	NOS	
19	2MP Bullet Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE	CCTV and its accessories	NOS	
20	2MP Bullet Camera HD real-time video, 3D DNR & DWDR & BLC, IR LEDs: up to 30ml, IP67 housing, PoE	CCTV and its accessories	NOS	
21	1.3MP HD Dome camera, 2.8-12mm vari-focal lens, Up to 30m IR visibility, True day/night, 3D DNR & DWDR & BLC, IP66 rating, Vandal-proof housing, Built-in Micro SD/SDHC/SDXC card slot, up to 128G	CCTV and its accessories	NOS	
22	2 MP, HD Dome 2.8-12mm vari-focal lens, Up to 30m IR visibility, True day/night, 3D DNR & DWDR & BLC, IP66 rating, Vandal-proof housing, Built-in Micro SD/SDHC/SDXC card slot, up to 128G	CCTV and its accessories	NOS	
23	1.3MP, 1/2.8" CMOS sensor, F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux, 0 lux with IR, Optical Zoom:20x, Focus:4.7-94.0mm, Digital Zoom:16X, Pan range:360° endless; Tilt range: -15°~90°(Auto Flip), Pan Speed: 0.1° -80°/s, Tilt Speed: 0.1° -80°/s, 100m IR Distance, 12VDC & POE (802.3at, class4)	CCTV and its accessories	NOS	
24	PTZ Brackets	Brackets	NOS	
25	PTZ Joysticks	Brackets	NOS	
NETWORK VIDEO RECORDER (NVR)				

26	8 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 2 SATA interfaces, 8 CH	NETWORK VIDEO RECORDER (NVR)	NOS	
27	8 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 1 SATA interfaces, 8 CH synchronous Playback, 2 USB Port	NETWORK VIDEO RECORDER (NVR)	NOS	
28	16 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 2 SATA interfaces, 16 CH synchronous Playback, 2 USB Port	NETWORK VIDEO RECORDER (NVR)	NOS	
29	16 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 4 SATA interfaces, 16 CH synchronous Playback, 2 USB Port	NETWORK VIDEO RECORDER (NVR)	NOS	
30	32 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 2 SATA interfaces, 32 CH synchronous Playback, 2 USB Port	NETWORK VIDEO RECORDER (NVR)	NOS	
31	32 Channel NVR, Up to 6 Megapixels resolution recording, HDMI and VGA output at up to 1920×1080P resolution, Up to 4 SATA interfaces, 32 CH synchronous Playback, 2 USB Port	NETWORK VIDEO RECORDER (NVR)	NOS	
32	32Ch 4K Network Video Recorder with 8 HDD slot	NETWORK VIDEO RECORDER (NVR)	NOS	
33	32Ch 4k Deep Learning Network Video Recorder with 8 HDD slot	NETWORK VIDEO RECORDER (NVR)	NOS	
34	64Ch 4K Network Video Recorder with 8 HDD slot	NETWORK VIDEO RECORDER (NVR)	NOS	
VEHICLE SURVEILLANCE SYSTEM				

35	Vehicle Camera of 1 MP of IP 68 body, designed for mobile anti-vibration and regulating voltage mechanism, Night Vision of 0.1 lux	VEHICLE SURVEILLANCE SYSTEM	NOS	
36	Mobile DVR of shock absorband case with 1 HDD slot, 1 SD Card Slot with GPS & GPRS antenas	VEHICLE SURVEILLANCE SYSTEM	NOS	
Accessories				
37	EXTERNAL 1 Amp SWITCH MODE POWER SUPPLY(SMPS) - 1 Amp external power supply in plastic housing.	Accessories	NOS	
38	EXTERNAL 5 Amp SWITCH MODE POWER SUPPLY(SMPS) - 5 Amp external power supply in plastic housing.	Accessories	NOS	
39	EXTERNAL 10 Amp SWITCH MODE POWER SUPPLY(SMPS) - 10 Amp external power supply in plastic housing.	Accessories	NOS	
40	Network Switch	Accessories	NOS	
41	24 Port PoE Switch	Accessories	NOS	
42	8 port PoE Network Switch	Accessories	NOS	
43	4 port PoE Network Switch	Accessories	NOS	
44	8 port Network Switch	Accessories	NOS	
45	24 Port Poe with 4 Gigabite SFP - Dlink or Netgear	Accessories	NOS	
46	8 Port PoE Network Switch with 2 Gigabite SFP - Dlink or Netgear	Accessories	NOS	
47	Storage Hardisk	Accessories	NOS	
48	500 GB SATA Surveliance HDD	Accessories	NOS	
49	1TB SATA Surveliance HDD	Accessories	NOS	
50	2TB SATA Surveliance HDD	Accessories	NOS	
51	3TB SATA Surveliance HDD	Accessories	NOS	
52	4TB SATA Surveliance HDD	Accessories	NOS	
53	6TB SATA Surveililance HDD	Accessories	NOS	

Biometric Time & Attendance System				
54	Carapax TCP/IP based Fingerprint based Attendance Terminal + 128X64 Bicolor LCD Display + Capacative Touchsense Keypad with Power Supply. With Free Desktop Based ATTEDANCE Software for 100 Users.	Biometric Time & Attendance System	NOS	
ATTENDANCE MANAGEMENT SOFTWARE				
55	Desktop based Standalone Time Attendance Software with MS SQL database (upto 250 users). SQL Licence in Customer Scope. Single Software for Attendance Application	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
56	Desktop based Standalone Time Attendance Software with MS SQL database (upto 500 users). SQL Licence in Customer Scope. Single Software for Attendance Application	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
57	Desktop based Standalone Time Attendance Software with MS SQL database (upto 1000 users). SQL Licence in Customer Scope. Single Software for Attendance Application	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
58	Desktop based Standalone Time Attendance Software with MS SQL database (For Unlimited users). SQL Licence in Customer Scope. Single Software for Attendance Application	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
59	Command Control Software for 250 users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
60	Command Control Software for 500 users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
61	Command Control Software for 1000 users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
62	Command Control Software for 2000 users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
63	Command Control Software for 5000 users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
64	Command Control Software for Unlimited users	ATTENDANCE MANAGEMENT SOFTWARE	NOS	

65	Command Control Software - Additional license for extra 1 company For COMMANDCONTROL	ATTENDANCE MANAGEMENT SOFTWARE	NOS	
ACCESS CONTROL SYSTEM				
66	TCP/IP based Fingerprint based Single Door Controller + 128X64 Bicolor LCD Display + Capacative Touchsense Keypad with Power Supply.	ACCESS CONTROL SYSTEM	NOS	
67	TCP/IP based Fingerprint + Card based Single Door Controller with inbuilt EM Proximity Reader + 128X64 Bicolor LCD Display + Capacative Touchsense Keypad with Power Supply.	ACCESS CONTROL SYSTEM	NOS	
68	Proximity Reader (125KHz)(Wiegand – 26 bits)	ACCESS CONTROL SYSTEM	NOS	
69	Electromagnetic Lock – 600lbs	ACCESS CONTROL SYSTEM	NOS	
70	Electric Rim Lock – Yale	ACCESS CONTROL SYSTEM	NOS	
71	Mifare - Smart Card (Memory:1K)	ACCESS CONTROL SYSTEM	NOS	
72	Mifare - Smart Card (Memory:4K)	ACCESS CONTROL SYSTEM	NOS	
73	Proximity Cards - EM	ACCESS CONTROL SYSTEM	NOS	
74	Single Front Facia Plate consisting of Push Buttons(Door Release) & indicator LED to show the door status, Dimension(LXWXD) = 103mm X 35mm X 30mm)	ACCESS CONTROL SYSTEM	NOS	
75	Stainless Steel based compact Door Release Button with Dimension(LXWXD) = 103mm X 35mm X 30mm)	ACCESS CONTROL SYSTEM	NOS	
76	Electromagnetic Lock – 1200lbs	ACCESS CONTROL SYSTEM	NOS	
77	U Bracket to fix Electromagnetic lock on wooden doors	ACCESS CONTROL SYSTEM	NOS	
78	L Bracket to fix Electromagnetic lock on Glass doors	ACCESS CONTROL SYSTEM	per mtr	
GENERAL ACCESSORIES				
79	2" PVC Casing (Rate per metre)	GENERAL ACCESSORIES	per metre	
80	Galvanized Iron Pipe of 1.5" dia - Rate Per Metre	GENERAL ACCESSORIES	NOS	

81	GSM Dialler with Power Supply (SIM card to be provided by client)	GENERAL ACCESSORIES	NOS	
82	Landline Speech Dialler	GENERAL ACCESSORIES	NOS	
83	LIU 12 Port Unloaded	GENERAL ACCESSORIES	per metre	
84	Pigtail SC SM - 1 metre	GENERAL ACCESSORIES	per metre	
85	Patch Cord - 2metre	GENERAL ACCESSORIES	NOS	
86	TV Tuner Card	GENERAL ACCESSORIES	NOS	
87	1 KVA Online UPS	GENERAL ACCESSORIES	NOS	
Aganbadi furniture AND TOYS				
89	Crescent Table -Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
90	Plastic Chair-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
91	Playmat 600mm X 600mm X 10mm-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
92	Front Round Table-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
93	Plastic Chair-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
94	Junior Rocker-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
95	Trampoline 45"-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
96	Ultra Slide-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
97	Giraffe Ride-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
98	Monkey Tunnel-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
99	City Swing Car-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
100	2 Way Easel Board-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
102	Bee Ride on-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
103	Aeroplane Ride on-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	

104	Rocket Slide Combo-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
105	Smart Car-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
106	Tree House Jumbo-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
107	Super Giraffe Swing	Aganbadi furniture AND TOYS	NOS	
108	Basketball Set -Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
109	Tetter Totter-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
110	Play Junction 31" X 24"-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
111	Play Balls-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
112	Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
113	Multicolour Kids Chair-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
114	Adjustable shelf-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
115	Toy Shelf-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
116	Book Shelf-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
117	Super Giraffe Slide-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
118	Elephant Slide-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
119	Jumbo Stallion Rideon-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
120	Log Tetter Totter-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
121	Senior Rocker-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	

122	Ducky Tricycle-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
123	Pony 3 Way Rocker-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
124	Super Ultra Multipurpose Organiser-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
125	Made of premium plastic with stainless or powder coated nut-Blow mould in high quality PPCP plastic injection moulding	Aganbadi furniture AND TOYS	NOS	
TURNKEY PROJECT/INTERIOR WORK(size in Sq.Ft.)				
126	Construction of 115 mm th. Brick Masonry Wall in CM 1:4		Sqft	
127	Construction of 115 mm th. Brick Masonry Wall in CM 1:4 - in sqft Providing and constructing brick masonry of 115 mm thickness quality bricks of class designation 75 laid in 1:4 cement mortar. in sqft	Turnkey Interior work	sqft	
Construction of 230 mm th. Brick Masonry Wall in CM 1:6				
128	Construction of 230 mm th. Brick Masonry Wall in CM 1:6 in sqft Providing and constructing brick masonry of 230 mm thickness quality bricks of class designation 75 laid in 1:6 cement mortar. in sqft	Turnkey Interior work	sqft	
Cement Plaster (Single Coat)				
129	Providing & Applying single coat Plastering on wall 15 mm thick cement plaster in using screened coarse sand of approved quality on Brick masonry & concrete surfaces single coat in CM 1:4 proportions with rough finishing for applying tiling wall dado or suggested area. including All heights, scaffolding, watering, curing, hacking of masonry joints, cleaning etc.	Turnkey Interior work	sqft	
Cement Plaster (Double Coat)				

130	Providing & Applying double coat Plastering on wall 15 to 20 mm thick cement plaster in using screened coarse sand of approved quality on Brick masonry & concrete surfaces first base coat in CM 1:4 proportions with rough finishing and second coat in CM 1:2 in cement mala finished (with steel trowel) including scaffolding, watering, curing, hacking of masonry joints, cleaning etc.	Turnkey Interior work	sqft	
Water Proofing (Toilet Area)				
131	Providing supplying mixing & applying two coats of approved make ready to use acrylic polymer of moodified cement base ,flaxible water proofing slurry to a thickness of 3 mm over the bottom & sides of wall up to 300 mm ht (as per required) of toilet area , including preparation of surface finishing, curing etc all complete at levels as specified by the Architect preferably below brick bat coba & above brick bat coba as per manufacturer's specification. (including 300mm light weight filling As required & Only plan area shall be considered for Measurement) in sqft	Turnkey Interior work	sqft	

132	VITRIFIED TILE FLOORING -Providing & laying 600mm x 600mm flooring of 1st quality of Vitrified tiles. "City, Asian, Swastik " as per approved shade & sample. The tiles to be Laid in straight line in Proper line level & pattern on ahead of 1:4 cement mortar as per required 75mm to 80mm Sand & cement mortar Bedding.tiles Joints shall be grouted with cement or coloured cement to match shade to the tile. Tile must to free from colour & size variation and free of bends. & Cost included of Laying 12 to 15 mm Th. floor covering protection coat of POP over flooring work with bedding of polythene papar till handing over cleaning the surface the work to be handed over in a clean condition. in sqft	Turnkey Interior work	sqft	
133	VITRIFIED TILE FLOORING -Providing & laying 600mm x 600mm (Non Branded)	Turnkey Interior work	sqft	
134	VITRIFIED TILE FLOORING -Providing & laying 1200mm x 600mm flooring of 1st quality of Vitrified tiles. "City, Asian, Swastik " as per approved shade & sample. The tiles to be Laid in straight line in Proper line level & pattern on ahead of 1:4 cement mortar as per required 75mm to 80mm Sand & cement mortar Bedding.tiles Joints shall be grouted with cement or coloured cement to match shade to the tile. Tile must to free from colour & size variation and free of bends. & Cost included of Laying 12 to 15 mm Th. floor covering protection coat of POP over flooring work with bedding of polythene papar till handing over cleaning the surface the work to be handed over in a clean condition. in sqft	Turnkey Interior work	sqft	

135	VITRIFIED TILE SKIRTING-Providing and laying 75 mm wide Vitrified tile skirting of approved make, shade & sample. skirting on abed of 1:4cement mortar fixing & Joints shall be grouted with White cement & Colour cement paste. In RFT	Turnkey Interior work	sqft	
136	WOODEN FLOORING-Providing & Fixing wooden flooring of 8mmth.Pergo original or equal ant make wooden floor having in built 1 mm soundblock cs backing class of use 33/23 wear resistance ac 5 impact resistance ic 3 top surface treated with (aluminium oxide) surface plank size 1196mm x 144mm having smart look tounge and groove joints to secure long lasting joint the edge of tounge and groove of planks duly imprregneted with parafilm. floor as per installation procedure of the manufacture and accordance to the approval of the specification rate include all skirting and edge beading complete of pergo make or equivalent. in sqft	Turnkey Interior work	sqft	

137	WOODEN FLOORING Premium-Providing & Fixing wooden flooring of 8mmth.Pergo original or equal ant make wooden floor having in built 1 mm soundblock cs backing class of use 33/23 wear resistance ac 5 impact resistance ic 3 top surface treated with (aluminium oxide) surface plank size 1196mm x 144mm having smart look tounge and groove joints to secure long lasting joint the edge of tounge and groove of planks duly imprpregneted with parafilm. floor as per installation procedure of the manufacture and accordance to the approval of the specification rate include all skirting and edge beading complete of pergo make or equivalent. in sqft	Turnkey Interior work	sqft	
138	Vitrified Tiles Wall dado Toilet Area & Pantry	Turnkey Interior work	sqft	
139	Providing & laying wall dado of consisting of <u>600mm x 300mm mm or 300mm x 300mm</u> (AGL,Swastik City Make) approved shade & sample as per Detail Drawing. The tiles to be laid diagonally or in straight line in proper line level & tiles pattern as per detail on abed of 1:4cement Mortar & All joints to be grouted in white cement or color cement & the work to be handed over in a clean condition Complete as directed by designer.	Turnkey Interior work	sqft	
140	Granite Door Jambs	Turnkey Interior work	sqft	

141	Providing and fixing of 15 mm thk.Polished Black Granite door jambs (double frame with step rebate Max.150mm to 200mm wide) with champhered and machine polished edge externally and only machine polished edge internally. The rate shall be inclusive of providing and fixing necessary backing material.in RFT	Turnkey Interior work	sqft	
142	Granite Economic Range	Turnkey Interior work	sqft	
143	Granite Premium Range	Turnkey Interior work	sqft	
144	Granite Counter (Toilet area)	Turnkey Interior work	sqft	
145	Providing and Fixing Granite counter upto 600mm wide Prepolished 20mm thk. 1st quality Black Granite slab. Counter to be made out of sandwich type construction with base in kadappah / Kotah stone overlaid in Granite 75mm wide facia on front & exposed sides. Counter to be held verticaly Kotah stone Support & necessary cut outs in granite & kotah stone to take basin and to take necessary Pipes & cost including of required water line 12mm taps/ etc as per detail drawing. Rate also including of ready made aluminium profile shutters with louvered panel shutter operated on auto closing hinges & internal storage made from 19mm prelame ply with inividual locking arrangement & necessary hardware like SS handles/ ball catch. in sqft	Turnkey Interior work	sqft	
146	Granite Flooring for Staircase area	Turnkey Interior work	sqft	

147	Providing & laying granite slab in 20 mm thk granite for staircase corridor, tread, riser and skirting. Leading edges of threshold to be bull nosed as per approved shade & sample. The granite to be Laid in straight line in Proper line level & pattern on ahead of 1:4 cement mortar as per required Sand & cement mortar Bedding. tiles Joints shall be grouted with cement or coloured cement to match shade to the tile. Cost included for polishing granite and laying of 12 to 15 mm Th. floor covering protection coat of POP over flooring work with bedding of polythene papar till handing over cleaning the surface the work to be handed over in a clean condition. . in sqft	Turnkey Interior work	sqft	
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148	<p>PLAIN GYPSUM FALSE CEILING- Providing & fixing of suspended ceiling, which includes Gypsteel ultra CRP surface ribbed perimeter channels of size 0.55 mm thk. (having one flange of 20mm & another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall /partition with the help of nylon sleeves and screws, at 610mm centres then suspending Gypsteel Ultra CRP surface ribbed intermediate channels of size 45 mm (0.9 mm th with two flange of 15mm each) from the soffit at 1220mm centres with gypsteel ultra CRP surface ribbed ceiling angle of width 25mm x 10mm x 0.55mm thick fixed to soffit with GI cleat and steel expansion fasteners (mfg by Saint Gobain India Gypsum) then Gypsteel ultra ceiling section of 0.55 mm th. having knurled web of 51.5 mm and two flange of 26 mm each with lips of 10.5 mm are then fixed to the Gypsteel ultra intermediate channel with the help of connecting clip and in direction perpendicular to the Gypsteel ultra intermediate channel at 457.5 mm centres single layer of 12.5mm tapered edge Gypboard .(conforming to is 2095 part 11996) is then screw fixed to ceiling section with 25mm drywall screws at either with screw driver or drilling machine with suitable attachment.(Cost including for suspending</p>	Turnkey Interior work	sqft	
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149	ARMSTRONG GRID CEILING-Providing & Fixing Armstrong make grid ceiling system manufactured by Armstrong using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 45 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 45 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire over the formed grid complete. including light fixtures cutting gala in ceiling.. in sqft	Turnkey Interior work	sqft	
150	CARPET FLOORING-Providing and fixing of the polypropylene nylon blended loop pile carpet of 26 oz on the auditorium floor. Including fixing of grippers where ever necessary. Carpet to have 8 mm profeel underlay in aisles & gangway.Flortex make . in sqft	Turnkey Interior work	sqft	
151	Full Ht Wooden Partition Laminate Finished with Aluminium Frame	Turnkey Interior work	sqft	

152	Providing & fixing of full height (3000mm ht) wooden Partition using Aluminum tube frame work shall comprise of 50 mm x 25 mm Aluminum tube (Medium Gauge, Jindal Make) members at regular distance of 600 mm c/c both ways and both side covered with 8 mm th specified Ply on both side of partition finished with 1mm th laminate. Supporting Framing Cost of Partition above False Ceiling will be Inclusive of this Cost, No Extra Measurement will be Calculated for the same.& Door Opening Deduct in Partition quantity & Door will be measured and paid separately) . in sqft	Turnkey Interior work	sqft	
153	Wooden Partition with laminate/Glass	Turnkey Interior work	sqft	
154	Partly Glass Door (Wooden shutter Frame with laminate)	Turnkey Interior work	sqft	
155	Providing & Fixing of Single shutter Partly Glass door having 100mm x 50mm top teakwood stile & verticals with 100mm x 50mm bottom stile with all side approved laminate finish as per drawing & fixed 6 mm th toughened Glass with frosted film / or clear glass panel shall be fixed with beading patti finished in melamine polish or laminate with both side laminated finished with required beading for edge seal with polish, & laminated door jems line & Shutter to be fixed in door frame with 4 nos heavy duty hinges of approved brand with Approved SS matt finished 600mm long 25 mm dia handle on both side of door with necessary hardware like door stoper, Sterling make Door closer.. in sqft	Turnkey Interior work	sqft	
156	Laminated Plywood Paneling (12mm Thk.)	Turnkey Interior work	sqft	

157	Providing & fixing Wall paneling to consist of 12mm th plywood finished with 1mm Laminate with required frame work with teakwood beading patty or 12 mm plywood backing grove pattern at wall surfaces, Partition edge as per required & suggested Area.. in sqft	Turnkey Interior work	sqft	
158	ALUMINIUM PARTITION-Providing & Fixing of Aluminium Partition in heavy gauge & Anodised Section as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. in sqft	Turnkey Interior work	sqft	
159	12mm TOUGHENED GLASS PARTITION-Providing & fixing 12mm thk.Toughned Glass Partitionup to 2400mm ht Made from 12 mm Toughned Glass complete as shown in the drg.& design or as directed by Engg. In charge. including necessary hardware. filling of sealant etc. (Quantity measured ony elevated part at bottom of Ceiling level & Door Opening deduct in partition Qty Door will be measured and paid separately) . in sqft	Turnkey Interior work	sqft	
160	12MM TOUGHENED GLASS DOOR SINGLE SHUTTER -Providing & fixing 12mm thk.Toughned Glass Single shutter door including lock, stopper, floor spring, patch fitting with all necessary hardware. complete as per the drawing & design.. in sqft	Turnkey Interior work	sqft	

161	AUTOMATIC SLIDING TOUGHENED GLASS DOOR -Providing & Fixing of 12mm Plain Toughened Glass with Dorma make Automatic Operator and sliding system consists of Operator set includes Operator Profile, Track profile, consists of Electrical & Mechanical Components, Glass Clamping Rail, Light Barrier, Floor Guide, Program Switch with Key & EM Lock Dorma Make ES 200 -. in sqft	Turnkey Interior work	sqft	
162	LAMINATED FLUSH DOOR-Providing and fixing Solid flush door made out of 35mm with both side laminate finish with necessary fitting with door closer provision . All material is of approved brand. Size of door 900 x2100 Doors-Providing and fixing single leaf solid core flush door 40mm thick factory made, finished on both sides with 1.0mm thick laminate of approved shade as indicated in drawing. Shutter to be lipped on all sides with 12mm thick teak wood beading. Applicable hardwares to be considered for following doors according to requirement as per detailed drawings including below mentioned hardware-Door closer,SS Ball bearing Hinges ,SS foot operated Door stopper,SS Mortise Latch Lock / concealed dead lock,SS Mortise Handle.. in sqft	Turnkey Interior work	sqft	
163	WOODEN TABLE(Sq.Ft.)- Providing and fixing of wooden table, made of 19mm thick plywood with laminate finish of approved make as instructed by Manager/architect.. in sqft	Turnkey Interior work	sqft	

164	PLASTIC PAINT- Providing & applying 3 coats of 1st quality Plastic paint of approved shade with two coats of putty, two coats of approved primer, and three coats of approved plastic paint, including preparation of surface, scrapping, sand papering, scaffolding, all materials and labour, taxes etc complete. as approved by Engg.-in-Charge/ Designer Putty should be of asian, Paint should be Low Volatile Organic Compound level as per standered Applicable (24.14 to 55.62 Gr/Ltr) done.. in sqft	Turnkey Interior work	sqft	
165	TEXTURE PAINT-Textured spray coat paint shall be applied after preparing the surface to the satisfaction of the Architect. The application of textured paint shall be trawled for a head cut finish. The application shall be done in proper manner to obtain a uniform texture with two coats of plastic emulsion paint as per sl no 2 above. The texture paint used shall be of spectrum make.. in sqft	Turnkey Interior work	sqft	
166	POP Punning-Providing & Applying 12 to 15 mm th. P.O.P. layers on wall surface & surface of required or directed by engg. or in charge including hacking finishing smooth, with proper level & handed over a clean & neat condition complete the work should be done as per directed by engineer in charge. . in sqft	Turnkey Interior work	sqft	

167	<p>P/F SOLID PARTITIONS made out of Aluminum cross section / 2"x1 1/2" salwood section framework 2'-0" c/c both ways treated with antitermite solution, covered with 8 mm thk commercial ply wood / partly glazed with approved shape & shade 1mm thk laminate/mica fixing on inside of panel with 1.5 mm thk grooves in panel as per the design with provision of the openings in the panel for switch boards, box and cuts in frame for carrying conduits if necessary and fixing 1.0 mm laminate on the outside face of shade and colour as per Bank's colour scheme given in the tender specification with 8 mm glass to be given in the design.</p> <p>The open edges are to be blocked by teak wood bead of required size and design. All provisions to be made for all electrical, networking boxes onto partition framework at required heights/levels with necessary additional supports as directed.. in sqft</p>	Turnkey Interior work	sqft	
168	Roller Blinds/ Vertical	Turnkey Interior work		

169	Roller Blinds/ Vertical Providing & fixing of Perforated Rollar blinds (Vista Aerolux or equilant, with head Rail and fabric connector with minimum gap of 6/8 mm if required as per specified. Panama 5% Gffebric tighter yarn 78 TEX with weighted composition, Glass Fabric 29% , PVC-71%, Fabric openness factor is 5% with thickness 0.44mm with mass 345g/m2 yarns in warp/weft/cm 26/21, Fire rating is M2 , BS 5867 Colour Fastness minimum 7 (ISO 105B01), The control unit consists of clutch mechanism. The unit is made of high strength reinforced plastic. The clutch is of wrap spring design, high carbon steel springs are provided to transmit motion form the driven mechanism. Clutch is operated directionally by use of endless beaded chain to raise and lower the blind smoothly to decide height. . in sqft	Turnkey Interior work	sqft	
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170	Clutch never needs adjustment. Idler is high strength reinforced plastic, consisting of an outside sleeve and center shaft. Sleeve provide bearing surface for center shaft and rotate freely, providing smooth, quiet and long wearing operation. Head rail is an aluminum extruded rail on which control unit and idler are mounted with help of brackets. Bracket for mounting control unit and idler for heavy duty mechanism, brackets are power coated. Operating chain is made of 4.5mm plastic beads moulded on 2.2mm th. Polyester cord. The pitch of the beads is 6mm. The chains drives the sprocket fixed in the end control unit to close and open the blind. The pitch of chain corresponds to the sprocket in perfect match for trouble free operation.	Turnkey Interior work	sqft	
Frosted film				
171	Providing and Fixing frosted film of 3M Make approved shade electronically/computer plotter cut applied on glass partition in pattern of approved shade and color and without bubbles as directed by the Architect (3M Make), . in sqft	Turnkey Interior work	sqft	
ACP CLADDING-. in sqft				

172	LIGHT FIXTURES -Providing,Installation, testing & commissioning of standard light fittings and lighting accessories including lamp.The scope shall include, providing of all hardware such as nuts,anchor fastners, bolts, screws, cleats, clamps, PVC insulated wires / cables from Junction box to lighting fixtures, ball and socket 'arrangement with J.B., suspension conduit pipe for drop for flourescent fitting The cost for supports (wire ropes etc) shall be included in the cost. Contractor shall use Aluminium blanking foils for fixtures where by spillage of lights shall be visible through AC duct. All fixtures shall be with APFC type electronic ballasts of less than 10% THD content of intellux / Atco /Philips/ Vossloh make. All fixtures shall be with high lumen output lamps of Osram / Philiphs / GE. All fixtures shall be of either Philips / Wipro/NTL make for cat nos depicted below of one make as per approval. Emergency signage lights shall be from Prolite / Legrand or approved equivalent.. in sqft	Turnkey Interior work	nos	
173	2'X2' LIGHTS-Ceiling mounted concealed 38W 2'X2' LED light fixture. - PHILIPS/WIPRO/EQV	Turnkey Interior work	nos	
174	10W LED DOWNLIGHTER-Ceiling mounted 1 x 10W Led down light fixture- PHILPS/WIPRO/EQV MAKE	Turnkey Interior work	nos	
175	15W LED DOWNLIGHTER-Ceiling mounted 1 x 15W Led down light fixture- PHILPS/WIPRO/EQV MAKE	Turnkey Interior work	nos	
176	Exhaust Fan	Turnkey Interior work	nos	
177	Fan	Turnkey Interior work	nos	
178	Dismantling of outside floor - stone /tiles. in sqft	Turnkey Interior work	sqft	

179	Dismantling of outside top plaster . in sqft	Turnkey Interior work	sqft	
180	Cement Plaster on top area outside. in sqft	Turnkey Interior work	sqft	
181	Exterior Grade Putty. in sqft work on plaster work	Turnkey Interior work	sqft	
182	Exterior paint work - with base preparation . in sqft	Turnkey Interior work	sqft	
183	Scaffolding for top area work . in sqft	Turnkey Interior work	sqft	
184	paint . in sqft	Turnkey Interior work		
Full Ht Partly Glass & Partly Wooden Partition				
185	Wooden Door shutter Frame with laminate with/without Glass. in sqft	Turnkey Interior work	sqft	
186	Vitrified Tiles flooring	Turnkey Interior work	sqft	
187	Vitrified Tiles Skirting	Turnkey Interior work	sqft	
188	Vitrified Tiles Wall dado Toilet Area & Pantry	Turnkey Interior work	sqft	
189	Granite Door Jambs	Turnkey Interior work	sqft	
190	Full Ht Partly Glass & Partly Wooden Partition . in sqft	Turnkey Interior work	sqft	
191	Wooden Door shutter Frame with laminate with/without Glass	Turnkey Interior work	sqft	
192	Oil paint window/Grill. in sqft	Turnkey Interior work	sqft	
193	POP Punning. in sqft	Turnkey Interior work	sqft	
194	Plastic Paint. in sqft	Turnkey Interior work	sqft	
195	Suspended Gypsum Board Ceiling. in sqft	Turnkey Interior work	sqft	
196	Armstrong Ceiling. in sqft	Turnkey Interior work	sqft	
197	Frosted film. in sqft	Turnkey Interior work		
FILE STORAGE CABINETS: . in sqft				
198	Laminated Plywood Paneling (12mm Thk.). in sqft	Turnkey Interior work	sqft	
199	Cement Plaster . in sqft	Turnkey Interior work	Rmt	
200	Construction of 115 mm th. Brick Masonry Wall in CM 1:4 . in sqft	Turnkey Interior work	Rmt	
201	Water Supply of U PVC Piping in RMT	Turnkey Interior work	nos	
202	Toilet Seat:	Turnkey Interior work	nos	
203	Washbasin:	Turnkey Interior work	nos	

204	URINALWITH FLUSH VALVE :	Turnkey Interior work	nos	
205	Gun Metal Valve	Turnkey Interior work	nos	
206	Concealed Stop Cock	Turnkey Interior work	nos	
207	Angle cock	Turnkey Interior work	nos	
208	Pillar Cock	Turnkey Interior work	nos	
209	Health Faucet	Turnkey Interior work	nos	
210	Paper Holder (for Toilet)	Turnkey Interior work	nos	
211	Soap Dispensor 500 ML Push type	Turnkey Interior work	nos	
212	Bib Cock	Turnkey Interior work	nos	
213	Nahani Trap	Turnkey Interior work	nos	
214	Mirror Frame SQFT	Turnkey Interior work	nos	
215	Toilet Seat:	Turnkey Interior work	nos	
216	Recessed mounted 600 X 600 mm LED light fixture	Turnkey Interior work	nos	
217	Recessed mounted 15 watt LED down Light	Turnkey Interior work	nos	
218	T5 light 1200 mm / 600 mm long of 28 watt complete as per design	Turnkey Interior work	nos	
219	Small Wash Basin	Turnkey Interior work	nos	
220	POINT WIRING Providing and fixing Primary light point - (Circuit wiring upto 6m length considered after 6m wiring to be measure separately)	Interior work	nos	
221	Providing and fixing Secondray light point(Maximum three points to be looped from primary) (Circuit wiring upto 6m length considered after 6m wiring to be measure separately)	Interior work	nos	
222	Plug point /celing Rose Point (for wall fans/Exhaustfan)	Interior work	nos	
223	6 AMP. POINTS ON SAME BOARD(Half point) :	Interior work	nos	
224	16 A POINTS	Interior work	Rmt	
225	Wiring Long Point circuit 2 x 1.5 sq.mm. wire with 1.5 sq.mm. earthing wire from DB to Switch board/Extra length n RMT	Interior work	Rmt	

226	Wiring Lighting circuit 2 x 2.5 sq.mm. wire with 1.5 sq.mm. earthing wire from DB to Switch board/extra length n RMT	Interior work	Rmt	
227	Wiring Lighting circuit 2 x 4 sq.mm. wire with 1.5 sq.mm. earthing wire from DB to Switch board/extra lengt In RMT	Interior work	nos	
228	LIGHT DISTRIBUTION BOARD	Interior work	nos	
229	U.P.S. DISTRIBUTION BOARD (INCOMER)	Interior work	nos	
230	UPS DIST. BOARD OUTGOINGS.	Interior work	nos	
231	SPECIAL POINTS: TO WORKSTATIONS/TABLES	Interior work		
232	EARTHING-Chemical Earthing	Interior work	rmt	
233	Supplying and laying 25 X 3 mm copper strip direct on wall/ in ground with screws and washer including soldering / welding etc if required..IN RMT	Interior work	rmt	
234	Supply and laying of 6.0 sqmm PVC insulated copper wire from earth station to main panel board in 20 mm GI Pipe including all materials, accessories etc complete.IN RMT	Interior work	rmt	
235	L.T.CABLES :IN RMT Supply,laying ,testing and commissioning of the following 1100 volt grade pvc insulated Al / Cu. Conductor armored cable inner and outer sheathed , along with the two run of G.I.earth wire i/c termination with brass gland and Al. lugs etc. complete as required.4 C x 16.0 sqmm armored copper cable with 10 SWG 2 Nos G.I. wire for Electric room /Ups room IN RMT	Interior work		
236	Data cabling work for computer networking starting from mounting rack at suitable position of banking hall with UTP CAT-6e LAN Data cable in 2	Interior work	nos	
237	supply, installation, testing and commissioning of 24-port Patch Panel	Interior work	nos	

238	supply, installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	Interior work	nos	
239	Single outlet modular type I / O's Outlets (RJ– 45) with suitable size PVC modular boxes complete asrequired	Interior work	nos	
240	supply, installation, testing and commissioning of factory manufactured CAT-6e patch chord complete with 2 no. connectors etc. complete as reqd. -1 mtr. Long. RMT	Interior work	nos	
241	supply, installation, testing and commissioning of factory manufactured CAT-6e patch chord complete with 2 no. connectors etc. complete as reqd. -2 mtr. Long. RMT	Interior work	nos	
242	TELEPHONE POINT : Supplying, Installation, testing and commissioning of the telephone point with the followings -	Interior work	nos	
243	a. Two pair, 0.61 mm dia. telephone cable tinned copper conductor, P.V.C. insulated and sheathed , fire retarding, anti termite, color coded twisted pairs and rip cord in 25 mm dia PVC conduit IN RMT	Interior work	nos	
244	b. Single outlet with shutter modular type Telephone Outlets (RJ – 11) with suitable size PVC modular boxes complete as required .	Interior work	nos	
245	14 a Providing and fixing 50pair KRONE make telephone tag block with 20 pair module with termination and crimping complete and making good the surface as required/directed.	Interior work	rmt	
246	b Providing and fixing 10 pair armoured tinned copper telephone cable in 32 mm PVC conduit from telephone IN RMT	Interior work	sqft	
247	pvc flooring	Interior work	sqft	
248	pvc flooring	Interior work	sqft	

Interior Work				
249	HD Projector: 4000ANSI Lumens High brightness, full HD 1080P Resolution, USB reader for PC-less Presentations and networked presentation. MSPL 2MH733, BENO	Interior work	nos	
250	Projector Stand: Ceiling Mounted stand. NOS	Interior work	nos	
251	Projector Screen: 120" mortised projector screen NOS	Interior work	nos	
252	Amplifier: Yamaha, MA2120 Speaker with 6 multiple input NOS	Interior work	nos	
253	Speaker: Yamaha, VXL16 wall mounted passive, slimliner speaker of 180 watt NOS	Interior work	nos	
254	Cable: Supply, Installation, Testing and Commissioning of Speaker Cable – 1.5 Sqmm (48/0.20mm) x 2 core cable ATC copper conductor PVC insulated, core twisted, outer jacketed with Vasiform Type PVC Sheath. RMT	Interior work	rmt	
255	HDMI Cable 3 meters. Makes Kramer RMT	Interior work	l/s	
Installation Charge				
AUDIO CONFERENCE				
256	CONFERENCE CHAIRMAN UNIT Model:CCS700 (CCSD-DL Make): Boss NOS	Interior work	nos	
257	CONFERENCE DELEGATE UNIT Model:CCS700 (CCSD-DL Make): Boss NOS	Interior work	nos	
258	CONTROL WITH RECORDER & AMPLIFIER Model: CCSD-CURD Make: Boss NOS	Interior work	nos	

259	MIXER AMPLIFIER: SITC of 240W mixer amplifier with following features: u Inbuilt Bluetooth for audio streaming u Supports audio playback from USB pen drive u 4 microphone/line inputs, plus music source input u Insert feature to use as a pre/power amplifier u Optional 2-tone chime generation for input 1 Technical Specifications: Frequency response 80 Hz to 18 kHz (+1/-3 dB @ -10 dB ref. rated output) Distortion <1% @ rated output power, 1 kHz Bass Control Max. \pm 8 dB Treble Control Max. \pm 8 dB Model: PLE-1ME240-3IN Make: Boss/Eqv NOS	Interior work	nos	
260	SPEAKER: SITC Of - 15W ceiling mount Dual cone covering full range speaker with excellent speech & music reproductio , Max Power: 22.5 W, Rated Power: 15 Watts, Power Tapping: 15 W – 7.5 W – 3.75 W, Model: LC1-PC15G6-6-IN - Make: Boss/eqv NOS	Interior work	rmt	
261	Cable: Supply, Installation, Testing and Commissioning of Speaker Cable – 1.5 Sqmm (48/0.20mm) x 2 core cable ATC copper conductor PVC insulated, core twisted, outer jacketed with Vasiform Type PVC Sheath. RMT	Interior work	rmt	
262	HDMI Cable 3 meters. Makes Kramer/Eqv RMT	Interior work	sqft	
263	PVC Flooring - Providing & laying upto 1.5/2mm PVC flooring SQFT Thin	Interior work	sqft	
264	PVC Flooring - Providing & laying upto 1.5/2mm PVC flooring SQFT Non Branded	Interior work	sqft	
265	PVC Flooring - Providing & laying upto 1.5/2mm PVC flooring SQFT Branded Thick	Interior work	sqft	

266	VINYL FLOORING - Providing and laying flooring with 1 mm thk vinyl flooring of approved make sq.ft and sample in pattern as per instruction of Architect of make LG or Equivalent SOFT	Interior work	sqft	
267	PCC Flooring - Providing & laying of PCC floor - to proper level and slope upto 50MM-75MM SQFT	Interior work	sqft	
268	PLAIN GYPSUM FALSE CEILING PATTA - Same as above gypsum ceiling patta upto 4" to 12" width/Height - Measurement in RFT SQFT	Interior work	sqft	
269	GRID CEILING DUNE TILES -Providing & Fixing Armstrong make grid ceiling (system manufactured by Armstrong using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 45 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 45 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire over the formed grid complete. including light fixtures cutting gala in ceiling.. in sqft	Interior work	sqft	
270	WOODEN CEILING Laminated Plywood CEILING	Interior work	sqft	
271	Providing & fixing Wooden Ceiling to consist of 12mm th plywood finished with 1mm Laminate with required frame work with teakwood beading patty or 12 mm plywood backing grove pattern at wall surfaces, Partition edge as per required & suggested Area.. in saft	Interior work	sqft	
272	PINE WOOD CEILING	Interior work	sqft	

273	Providing & fixing Pine Wood Ceiling to consist of Pine Wood 8 mm to 12 mm Th with required frame work as per required & suggested Area.. in sqft	Interior work	sqft	
274	ALUMINIUM PARTITION ANODISED MID -Providing & Fixing of Aluminium Partition in 18 gauge & Anodised Section Size 1.75 x1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. in sqft	Interior work	sqft	
275	ALUMINIUM PARTITION POWDER COATED MID -Providing & Fixing of Aluminium Partition in 18 gauge & Powder Coated Section Size 1.75 x1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. in sq	Interior work	sqft	
276	ALUMINIUM PARTITION ANODISED H -Providing & Fixing of Aluminium Partition in 16 gauge & Anodised Section Size 1.75 x1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. in sqft	Interior work	sqft	
277	ALUMINIUM PARTITION POWDER COATED H -Providing & Fixing of Aluminium Partition in 16 gauge & Powder Coated Section Size 1.75 x1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. in sq	Interior work	sqft	

278	Aluminium Door Powder Coated MID - Providing & Fixing of Aluminium Door in 18 gauge & Anodised Section Size 3.25 x 1.75 & 1.75 x 1.75 as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. Nos	Interior work	sqft	
279	Aluminium Door ANODISED MID - Providing & Fixing of Aluminium Door in 18 gauge & Anodised Section Size 1.75 x 1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. Nos	Interior work	sqft	
280	Aluminium Door Powder Coated H - Providing & Fixing of Aluminium Door in 16 gauge & Anodised Section Size 1.75 x 1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. Nos	Interior work	sqft	
281	Aluminium Door ANODISED H - Providing & Fixing of Aluminium Door in 16 gauge & Anodised Section Size 1.75 x 1.75 Inches as per the required detail drawing & design or directed by the client including Glass, Prelaminated board & all required fittings complete in all respect.. Nos	Interior work	sqft	
282	Door Frame - Providing and fixing of Solid wooden Frame for Door/Window upto 100mm thick SOFT	Interior work	sqft	
283	Aluminium Window with Glass - Providing & fixing of aluminium frame window with 5mm clear glass & necessary hardware - Section size 2.50 x 1.50 Inches 18 guage materail SOFT	Interior work	sqft	

284	Aluminium Window with Glass & with Jali - Providing & fixing of aluminium frame window with 5mm clear glass & necessary hardware Section size 2.50 x 1.50 Inches - 18 guage materail SQFT	Interior work	sqft	
285	Acoustic wall panelling : Providing and supplying HIMALYAN/equiv glass substrate 25mm thick and wrapped on the front side with an acoustically transparent and fire-resistant fabric with an option of colours as per the choice of the Architect/ Person in-charge providing a minimum sound absorption level of 0.70 - 0.9 NRC to be affixed to wall. SQFT	Interior work	sqft	
286	WPC PANELLING Providing and fixing wall paneling made in 30mm thick WPC as per site requirements SQFT	Interior work	sqft	
287	Premium with polish Providing & fixing Wall paneling to consist of Pine Wood 8mm to 12 mm Th with required frame work as per required & suggested Area.. in sqft	Interior work	sqft	
288	Providing & fixing Wall paneling to consist of Pine Wood 8mm to 12 mm Th with required frame work on wood with 9mm ply as per required & suggested Area.. in sqft	Interior work	sqft	
289	Wooden PU Polishng	Interior work	sqft	
290	Wooden PU Polishng	Interior work	sqft	
291	PVC Wall Panelling - Providing & fixing of 5mm PVC wall panelling as per site requirements SQFT	Interior work	sqft	

292	TEXTURE PAINT -Textured spray coat paint shall be applied after preparing the surface to the satisfaction of the Architect. The application of textured paint shall be trawled for a head cut finish. The application shall be done in proper manner to obtain a uniform texture with two coats of plastic emulsion paint as per sl no 2 above. The texture paint used shall be of spectrum make.. in sqft	Interior work	sqft	
293	Dismantling of wooden Partitions/Aluminium partition//gypsum partition- in Sqft Area	Interior work	sqft	
294	Dismantling of Brick work/floor tiles/kota stone/Plaster- in Sqft Area	Interior work	sqft	
295	Scaffolding for Height work - In sqft Area	Interior work	sqft	
296	Dismantling of Wall tiles/Plaste/- in Sqft Area	Interior work	sqft	
297	Dismantling of Plumbing pipe & Fixtures SQFT	Interior work	nos	
298	MALBA SHIFTING - PER TRUCK LOAD	Interior work		
299	PORTABLE CABIN WORK	Interior work	sqft	
300	Roof Puf Panels: Supply of 50+35 mm thick Roof Puff sandwich panel with rigid Puf Injected CFC free polyurethane foam as insulation cladded with corrugatedsheet on top side off white color & PPIG sheet on other side havingcolor Off White with RMP coating & protective guard film and PUF Density 40+_2kg/cubic meter	Interior work	sqft	
301	Wall Puf Panels: Supply of 50+35 mm thick Puff sandwich panel with rigid Puf Injected CFC free polyurethane foam as insulation cladded with PPIG Sheet on both sides having color off white with RMP coating & protective guard film and PUF Density 40+ 2kg/cubic meter	Interior work	sqft	

302	PPGI FLASHINGS- U Channel, L-Connector (Inner/Outer), Base U-Tray, Gutter, Roof side Corners cover U shape, Rings etc	Interior work	sqft	
303	Aluminium Door Providing /fixing Aluminium Door of size 2.10x0.80 mtr with all accessories complete at site.	Interior work	sqft	
304	Alumnium Window with Fixed Glass (WITH JALID)	Interior work	sqft	
305	Installation of PUF PANELS: Installationof Puf Panels with Accessories (POP Rivets, Silicon Sealent, Fastners)	Interior work	sqft	
306	2" Floor PCC Works using grade 1:2:4 include RCC work as per site requirment.	Interior work	sqft	
307	3D AcrylicLogo:- Providing & installation 3d acrylic back lit Logo in wall with vinyl cut out with required adhesive or accessories. As per CLIENT DESIGN	Interior work	no	
308	DECORATIVE NAME PLATE WITH LIGHTING FOR ROOM PER NO	Interior work	sqft	
309	Wallpaper; Providing & fixing wall papers pasted with approved Adhesive solution without any bubbles or unevenness below the TV Cabinet of approved design and pattern, excluded of base (putty-primer).	Interior work	nos	
310	Pedestal flower pot with Flower as per the locally available materials 2'-6" Marble Pedestal flowerpot (750mm tall): Providing and fixing artificial leaves plant with flowerpot of 750mm hight. Flowerpot to be made of marble of approved design as per the shown in image or approved by engineer in-charge, Washable plant made of synthetic leaves with plastic stem of approved colour.	Interior work	sqft	

311	Providing and fixing acoustic wall panel in combination of wood Based.panels with lineal perforations and Fiber Glass Acoustical Wall Panel (insize 7 feet highx 450mm wide) manufactured from high density biosolubleresin bonded glass wool absorb or with a series of textile fabric,plain glass tissue backer and fabric wrapped edges. The wooden slatspanels shall be non FR grade with melamine laminate panels 2440mmx 128mm x16mm wiTh 2mm slats at 15 mm pitch, Toungue and Grooveedges for seamless mounting. The back of the panels fixed wtihaoustical fleece for Sound Absorption. Panel is to be fixed onframework with screw fixed horizontal or vertical to wall at every600mm with centre & edge bracket in tongue & groove system onframework. The cavity of framework should be inserted with rock woolframework. The cavity of framework should be inserted with rock wooldirection of Engineer in charge Make-DEXUNE/ARMSTRONG	Interior work	sqft	
312	Providing & fixing iron door MS iron sheet heavy duty 16SGW, iron angle frame 35X35mm and internal cross support to sheet, interlocking together their entire length & joint together at ends lock, handle, hinges with two l drop etc complete with suitable coat of red oxide paint.	Interior work	sqft	

313	Providing and fixing manually operated rolling shutter of approved make and type fabricated with 18 gauge section M.S Flats with galvanized pressed steel side guides of one piece construction including providing the grill in the middle of rolling shutter of 0.60m high of approved design and shape pressed steel bottom rail with interlocking arrangement for steel laths, brackets extra strong door suspension pipe shaft with high tension coil type spring made out of spring steel wire, locking arrangement, holdfast, handles, MS cover hood on top necessary accessories and fixing with 1:1:5:3 Cement concrete including painting with synthetic enamel paint three coats over a coat of primer with putty etc. complete in all respect.	Interior work	nos	
314	Providing and fixing stainless steel sink 1 number Nirali Make or equivalent as per approval of size approx. 18inch X 24 inch or as available per approval in platform complete including all required cutting, filling, preparation for installation, connecting waste coupling, waste pipe, adhesives/ sealers/ fillers etc.	Interior work	nos	
315	S.S. Clothes Hook with 5 hooks on one plate	Interior work	rmt	

316	Providing and fixing in position 15mm Class 'B' CPVC pipe of approved ISI branded complete with fittings Tees, Bends etc, except controls such as cocks and valves fitted and fixed to the walls with G.I. Approved clamps or buried underground including making necessary chases and holes in walls and floors or trenching etc. complete with making good or refilling including painting of pipes if required Makes: Prince, Supreme, Astral.	Interior work	rmt	
317	Providing and fixing in position 20mm Class 'B' CPVC pipe of approved ISI branded complete with fittings, Tees, Bends etc, except controls such as cocks and valves fitted and fixed to the walls with G.I. Approved clamps or buried under ground including making necessary chases and holes in walls and floors or trenching etc. complete with making good or refilling including painting of pipes if required Makes: Prince, Supreme, Astral	Interior work	rmt	
318	Providing and fixing in position 25mm Class 'B' CPVC pipe of approved ISI branded complete with fittings, Tees, Bends etc, except controls such as cocks and valves fitted and fixed to the walls with G.I. Approved clamps or buried under ground including making necessary chases and holes in walls and floors or trenching etc. complete with making good or refilling including painting of pipes if required Makes: Prince, Supreme, Astral.	Interior work	rmt	

319	Providing and fixing 75 mm PVC pipes for soil waste/rain water/drainage disposal of superior Indian make such as Kisan, Premium, Supreme, Prince or Kasta i/c jointing with rubber ring, adhesive lubricant solvent cement with PVC clips, bends, joints, bends with doors, etc. fittings as per site requirement with testing etc. complete.	Interior work	rmt	
320	Providing and fixing 100 mm PVC pipes for soil waste/rain water/drainage disposal of superior Indian make such as Kisan, Premium, Supreme, Prince or Kasta i/c jointing with rubber ring, adhesive lubricant solvent cement with PVC clips bends, joints, bends with doors, etc. fittingsas per site requirement with testing etc. complete.	Interior work	sqft	
Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, Walls :				
321	Providing & applying Enamel Paints to Doors, Windows, Grills, Metallic Surfaces, walls, etc. Removing, scrapping & cleaning the existing enamel paint on doors, windows, grills, metallic surfaces, etc. paint by scrapping, sand papering and scrubbing. Then first coat of primer to be applied. After this necessary leveling shall be done with putty & second primer coat shall be applied.The grills, metallic surfaces, etc. shall be finished with after scrapping, applying red oxide & finish with minimum 2 coats of enamel paint in two different shade).	Interior work	nos	
322	CEILING FAN:Single phase heavy duty grease filled double ball bearing, aerodynamically designed heavy gauge aluminium blades, copper wounded and impregnated silicon stamping motors	Interior work	nos	
	Air-Conditioning Works			

323	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR RATING OF BEE AIR CONDITIONERS 1.5 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %, single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying,Air Circulating, auto mode, auto swing, anti bacteria filtering,	Interior work	nos	
324	Supply, installation, testing and commissioning of Higher Efficient models of SPLIT AC, THREE STAR RATING OF BEE AIR CONDITIONERS 2.0 Ton Machines confirming to latest Indian Standards and suitable for operation on 230 Volts + 10 %,single Phase, 50 Hz AC supply with rotary compressor, Refrigerant and capable to perform cooling, dehumidifying,Air Circulating, auto mode, auto swing, anti bacteria filtering,	Interior work	nos	
325	Supply and installation of soft & prime quality of min. 22 G Copper pipe for " Split AC only" with class "o" Nitrile insulation of minimum 12mm for split air conditionerincluding interconnection power/ communication cable	Interior work	nos	
326	Drain Pipe (If Required additional) Applicable to both ACs(Cassette & Split AC). Supply and laying of heavy gaugePVC drain piping of 40mm with insulation as per site	Interior work	nos	
327	Providing & fixing of 4 KVA Voltage stabilizer with time delayoption including all accessories with installation at site (For 1Tr /1.5Tr Split AC & 1.5 Tr Cassette AC) Make:-Microtek,	Interior work	nos	

328	Providing & fixing of 5 KVA Voltage stabilizer with time delay option including all accessories with installation at site	Interior work	sqft	
329	MS work Providing and fixing of PPGI COLOUR coated Sheet on roof and side wall including all labour and material .	Interior work	sqft	
DOOR /WINDOW				
330	Providing and fixing new ms door including all hardware	Interior work	sqft	
331	Providing and fixing new ms window including all hardware	Interior work	sqft	
332	Providing and fixing 5" wide Pelmet with 18mm thk IS:303 commerical Plywood including t.w lippings on all edges of the plywood and finished on both sides etc complete as per the instructions.	Interior work	sqft	
333	Finished in 1.0mm thk approved laminate on both sides	Interior work	sqft	
334	Finished in 4.0mm thk approved veneer with melamine polish on both sides	Interior work	sqft	
335	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size, with top and bottom rail of T-iron 40x40x6mm, with 40mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer and 2 or more coats of approved synthetic enamel paint of approve shade and make to give and even shade	Interior work	sqft	
336	Sun Control film	Interior work	sqft	
337	Providing and fixing designer etching frosted film of approved make and shade (3M, Llumar or approved equivalent make by the Bank) to the glass complete as instructed by Architect	Interior work	nos	
338	Artificial Plants	Interior work	nos	

339	Providingandsupplying artificialplant sapprovedbyArchitects uchasmossandincludingnec essarystandforholdingtheplants as per the approved sample.	Interior work	nos	
340	LED 105"/SAMSUNG/HIKVISION /SONY/OR EQUIUVELENT.	Interior work	nos	
341	LED 75"SAMSUNG/HIKVISION /SONY/OR EQUIUVELENT.	Interior work	nos	
342	Panasonic LH-98QM6HVS 98" 4K UHD(3840 X 2160) resolution, 500 Nits Brightness Android LED display with built in 2.4 Ghz Wi-Fi, 1.1 Ghz Built in Quad core processor, 2 GB DDR3 RAM, 16 GB Memory, with HDR 10, Dolby Audio, Built in Wi-Fi and Chromecast, Built in web browser, HDMI CEC, HDMI ARC, Built-in Bluetooth Ver.4, 20W built in speakers, HDMI 2.0 X 4, AV X 1, USB 2.0 X 1, RJ45 X 1, Headphone Out x 1, SPDIF Out x 1, 3 Years Warranty	Interior work	nos	
343	Panasonic LH-86AT6VS 86", 4K Multi touch interactive display, Up to 10 point touch in PC mode, Built in 2 GB RAM and 8 GB ROM Android 9.0 OS, HDMI X 4, VGA X1, USB 2.0 X 4, Touch USB X 1, Anti Glared (AG), 4mm Tempered Glass, USB- Auto play, Auto-switch on Failover, Control button lock, HDMI Wake-Up	Interior work	nos	
344	LG 110"UM5J inch 110” Screen Resolution 3,840 • 2,160 (UHD) Operation Time 16 Hours / 7 Day Brightness 500 nit (Typ.) Bluetooth Built-in Bluetooth Wi-Fi Built-in Wi-Fi (FW Update Only) Speaker 10 W + 10 W	Interior work	nos	
	Roller Blinds			

345	<p>MSPL-INT 72ROLLER ZEBRA BLIND</p> <p>Providing & fixing of Perforated Rollar blinds/Zebra (Vista Aerolux or equilant, with head Rail and fabric connector with minimum gap of 6/8 mm if required as per specified. Panama 5% Gffebric tighter yarn 78 TEX with weighted composition, Glass Fabric 29% , PVC-71%, Fabric openess factor is 5% with thickness 0.44mm with mass 345g/m2 yarns in warp/weft/cm 26/21, Fire rating is M2 , BS 5867 Colour Fastness minimum 7 (ISO 105B01), The control unit consists of clutch mechanism. The unit is made of high strength reinforced plastic. The clutch is of wrap spring design, high carbon steel springs are provided to transmit motion form the driven mechanism. Clutch is operated directionally by use of endless beaded chain to raise and lower the blind smoothly to decide height. . in sqft</p>	Interior work	sqft	
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346	MSPL-INT73Roller Blinds Providing & fixing of Perforated Rollar blinds (Vista Aerolux or equilant, with head Rail and fabric connector with minimum gap of 6/8 mm if required as per specified. Panama 5% Gffebric tighter yarn 78 TEX with weighted composition, Glass Fabric 29% , PVC-71%, Fabric openness factor is 5% with thickness 0.44mm with mass 345g/m2 yarns in warp/weft/cm 26/21, Fire rating is M2 , BS 5867 Colour Fastness minimum 7 (ISO 105B01), The control unit consists of clutch mechanism. The unit is made of high strength reinforced plastic. The clutch is of wrap spring design, high carbon steel springs are provided to transmit motion form the driven mechanism. Clutch is operated directionally by use of endless beaded chain to raise and lower the blind smoothly to decide height. . in sqft	Interior work	sqft	
347	MSPL-INT74VERICAL BLIND Vertical Blinds made of glass fibre fabrics in width 5” (or 4”). Minimum overlapping of ¾” in fabric. Top aluminium anodized rail of 1.4 mm thickness. 2 inch wide channel with front lamination of same fabric. Runners having stainless steel hooks with built-in shock spring and self aligning slip clutch. End control box composed of double gear system. Stainless steel spacers. Botton weight fully plastic covered linked with plastic bead chain. Product manufactured by M/S.SUNDRAPE, Germany being marketed by M/S The Protectors.	Interior work	sqft	
348	MSPL-INT KORIAN MARBLE OF 8mm-10mm thickness	Interior work	sqft	
349	CURTAIN IN PIECES Made in high quality faric of approved make	Interior work	nos	

350	MSPL - PR -1PROFESSIONAL DISPLAY	Interior work	nos	
351	MSPL - PR -2Amplifier	Interior work	nos	
352	MSPL - PR -3Mic	Interior work	nos	
353	MSPL - PR -4Speakers	Interior work	nos	
354	MSPL - PR -5Accessories	Interior work	nos	
355	MSPL - PR -6Connectors	Interior work	sqft	
356	MSPL MS 1Rolling Shutters in sqft	Interior work	sqft	
357	Collapsible Gate - Providing and Fixing MS Collapsible Gate with all necessary hardware	Interior work	sqft	
358	MS Grill Work : Providing And Fixing of MS grill work for passage and window as per site requirements - for safety purpose...In SQFT	Interior work	sqft	
359	RISING OF MAIN STAGE CONSTRUCTION OF MAIN STAGE:- Providing and fixing MS Structure made by 2"x2" angel and tube up to 1.5' hight. Finished with 19 mm ply.	Interior work	sqft	
360	Providing & fixing of MS Work - Grill/framing etc	Interior work	sqft	
361	MSPL MS 6GLASS WOOL IN SQFT Providing & fixing of readymade mineral wool slabe from Rockwool India Ltd. as per Is 8183 having density of 48kg / M³ with thickness of insulation is 50mm with Factory back Aluminium foil packed in non woven fabric bag in dry partitions as per required & suggested area insulation work is complete as per Architect suggestion KG	Interior work	sqft	
362	MSPL MS 7THERMOCOL SHEET IN SQFT Providing & Fixing of thermocol sheet	Interior work	nos	
363	MSPL MS 8LOGO IN SQFT Providing & fixing of logo work	Interior work	sqft	
364	MSPL MS 9SHED Proding & fixing of Shed	Interior work	Per seat	

365	Conference tabel per seat providing and placing conference table made of MDF/ particle board of per seat size width 600mm	Interior work	Per seat	
366	Conference tabel per seat providing and placing conference table made of MDF/ particle board of per seat size width 750mm	Interior work	Per seat	
367	Laboratory furniture per feet table providing and placing laboratory table made of MDF/ crca of per seat size width in mm/ft with storage system with granite top	Interior work	Per seat	
368	Laboratory furniture per feet table providing and placing laboratory table made ofwith granite top MDF/ crca of per seat size width in mm/ft with leg space	Interior work	nos	
369	Dust bindust bin	Dust Bin	nos	
370	Single pillow in cotton standard size	Bed Sheet/blanket/quilt double singel bed		
371	AMPETHEATER ITEMS			
372	Dynamic Vocal Microphone	Theater items	nos	
373	Supply, installation, testing & Comissioning of Dynamic Vocal Microphone with Frequency Response 50 to 15,000 Hz or better,should have Polar Pattern Cardioid.	Theater items	nos	
374	Wireless Handheld Microphone	Theater items	nos	
375	Supply, installation, testing & Comissioning Wireless Handheld Microphone with Premium audio quality, Up to 30 mW RF-output power, 8 hours battery life or better, Switching bandwidth up to 42 MHz, Wideband FM Modulation / Bandwidth, Audio bandwidth of 470 - 516 MHz, T.H.D of 0.9 % and SNR (A-weighted)> 110 dB(A)	Theater items	nos	
	Dynamic Instrument Microphon			

376	Supply, installation, testing & Comissioning of Dynamic Instrument Microphone with Frequency Response 40 to 15,000 Hz or better,Polar Pattern Cardioid.	Theater items	nos	
Microphone drum kit				
377	Supply, installation, testing & Comissioning of Microphone drum kit Includes 1x dynamic instrument microphone for Kick drum Mic, 2 x Condenser Instrument Microphone as Overhead Mics, 4 x dynamic instrument microphone as Tom & Snare Microphones, complete with standard accessories.	Theater items	nos	
	DI Box with Input Impedance			
378	Supply, installation, testing & Comissioning of DI Box with Input Impedance 1 MOhm (pad at 0dB), 47 kOhm (pad at -20dB or -40dB) or better,Max Input +9dBu (pad at 0dB), +29dBu (pad at -20dB), +49dBu (pad at -40dB)Output Transformer Balanced,Max Output+8dBu into 600 Ohms or greater.	Theater items	nos	
379	Supply, Installation, Testing & Commissioning of 32 Mic Inputs, 31 Output busses digital mixing console with 5" touchscreen or better display for quick control, 8 XLR/1/4" Combi-jacks, 40 DSP input channels, 4-band Fully Parametric EQ on each channel and bus, 8 VCAs + 8 Mute groups, 26 motorized faders (24 input + LR/Mono), 4 fully customizable Fader Layers, 20 sub-group / aux busses, 4 mono/stereo matrix busses, 32x32 USB audio interface	Theater items	nos	
12-Inch Powered Loudspeaker				

380	Supply, installation, testing & Comissioning of 12-Inch Powered Loudspeaker for Stage Monitor with Woofer Size 12” and Tweeter Size 1”,Freq Range -10 50 Hz - 20 kHz or better, Dispersion: 90° x 60° or more,Max SPL: 126 dB with Power Rating: 1000 Watts.	Theater items	nos	
381	Supply, installation, testing & Comissioning of 15-Inch Powered Loudspeaker for Top Speaker with Woofer Size 15” and Tweeter Size 1”,Freq Range (-10) 42 Hz - 20 kHz or better, Dispersion: 90° x 60° or more,Max SPL: 127 dB with Power Rating: 1000 Watts.	Theater items	nos	
382	Supply, installation, testing & Comissioning of 18-Inch Powered Subwoofer with Woofer Size 18” or better,Freq Range (-10) 35Hz - 180Hz or more,Max SPL 134dB @1m with Power Rating 1300 W with complete accesories.	Theater items	nos	
	18-Inch Powered Subwoofer			
383	Supply, installation, testing & Comissioning of 18-Inch Powered Subwoofer with Woofer Size 18” or better,Freq Range (-10) 35Hz - 180Hz or more,Max SPL 134dB @1m with Power Rating 1300 W with complete accesories.	Theater items	nos	
	12-inch Powered PA Speaker with Bluetooth			
384	Supply, installation, testing & Comissioning of 12-inch Powered PA Speaker with Bluetooth, Frequency response: 65Hz - 18kHz (-10) or better,Max SPL: 126 dB Power Rating: 1000W ,Dispersion: 90° H x 60° V or better.	Theater items	nos	

385	12-inch Powered PA Speaker with Bluetooth Supply, installation, testing & Comissioning of 12-inch Powered PA Speaker with Bluetooth, Frequency response: 65Hz - 18kHz (-10) or better,Max SPL: 126 dB Power Rating: 1000W ,Dispersion: 90° H x 60° V or better.	Theater items	nos	
386	Ear Monitors with Audio Frequency Supply, installation, testing & Comissioning of In Ear Monitors with Audio Frequency Response 38 Hz–15 kHz or better,Total Harmonic Distortion<0.5% (typical) or better,Operating Range Environment dependent 90 m (300 ft),should have Up to 90 dB signal-to-noise ratio or better.	Theater items	nos	
387	Boundary layer Mics Supply, installation, testing & Comissioning of Boundary layer Mics with Frequency Response 50–17000 Hz or better.Sensitivity@ 1 kHz, open circuit voltage Cardioid –30 dBV/Pa/Supercardioid –28 dBV/Pa/Omnidirectional –22 dBV/Pa or better.Maximum SPL 1 kHz at 1% THD, 1 kΩ load Cardioid 119 dB/Supercardioid 118 dB/Omnidirectional 111 dB or better.	Theater items	nos	
388	Hanging Mics with Polar Pattern Supply, installation, testing & Comissioning of Hanging Mics with Polar Pattern Cardioid,Frequency Range 50 Hz to 17 kHz or better,Maximum SPL 124.2 dB SPL or better,Sensitivity-35.0 dBV/Pa 17.8 mV/Pa,Signal-to-Noise Ratio66.0 dB (1 kHz, at 1 Pa/94 dB SPL) or better	Theater items	nos	

389	Gooseneck microphone Supply, installation, testing & Comissioning of Gooseneck microphone with Polar Pattern Cardioid,Frequency Response 70–16000 Hz or better,Maximum SPL (1 kHz at 1% THD) 120 dB SPL or better,Signal to Noise Ratio(referenced at 94 dB SPL)67 dB,Dynamic Range 93 dB oe better.	Theater items	nos	
390	Portable Audio Meter Supply, installation, testing & Comissioning	Theater items	nos	
391	Microphone CABLE Supply, installation, testing & Comissioning	Theater items	nos	
392	SNAKE CABLE Supply, installation, testing & Comissioning	Theater items	nos	
393	5 KVA UPS Supply, installation, testing & Comissioning	Theater items	nos	
394	MEDIUM MIC STAND Supply, installation, testing & Comissioning	Theater items	nos	
395	BIG MIC STAND Supply, installation, testing & Comissioning	Theater items	nos	
396	Connectors Supply, installation, testing & Comissioning	Theater items	nos	
397	32 Mic Inputs, 31 Output busses digital mixing console Supply, Installation, Testing & Commissioning of 32 Mic Inputs, 31 Output busses digital mixing console with 5" touchscreen or better display for quick control, 8 XLR/1/4" Combi-jacks, 40 DSP input channels, 4-band Fully Parametric EQ on each channel and bus, 8 VCAs + 8 Mute groups, 26 motorized faders (24 input + LR/Mono), 4 fully customizable Fader Layers, 20 sub-group / aux busses, 4 mono/stereo matrix busses, 32x32 USB audio interface.	Theater items		
398	THEATERS ITEMS	Theater items	nos	

399	<p>High Quality LED Parcan Light SITC of 150W High Quality LED Parcan Light complete with, Lamp source 3200K CCT Colour temperature CRI & TLCI Values above 95 COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 3 channel control Beam Angle of 11° / 25° / 35° Total Power Consumption of 160W High quality output replacing 1000W Halogen Par Flicker Free 100% for Tv & Film Cameras 11.7KHz Refresh Rate, Linear Dimming 0 ~ 100% Fuse and Internal safety protections Strobe option Adjustable 1~25 times/Sec Variable Fixture provided with Yoke of Manual Adjustment 5 Pin XLR for DmX , Black powder coated body. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 LM79 Certificates from NABL Accredited laboratory. Brand embossed impact on the light body for</p>	Theater items	nos	
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400	<p>Zoom Profile Spot Ligh SITC of 300W LED Profile Spot 19 Degree Light complete with, 3200K CCT Colour Temperature COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) CRI & TLCI above 95 Strobe option Adjustable 1 ~ 25 times / Sec 4 Kinds of dimming curves, Black finish housing Manual Focus with 4 Beam shaping cutters Efficient and well-designed Lamp reflector Efficient Copper tube based Heat Sink for Heat Dissipation Sleek and Unique Designed Light weight body Fixture provided with Yoke of Manual Adjustment DmX 512 dimming with 1 or 3 Channel modes IP20 protection having Lux @ 3 Mtr above 11412 suitable to illuminate the key presenter or talent on stage. illuminate the key presenter or talent on stage. RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-</p>	Theater items	nos	
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401	Zoom Profile Spot Ligh SITC of 300W LED RGBWAL 18° to 38° Zoom Profile Spot Light complete with, COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) 3000K ~ 8000K Colour Temperature Rotary, Key, DMX control of dimmer Strobe option Adjustable 1 ~ 25 times / Sec	Theater items	nos	
402	RDM, DMX, Master-slave control mode 4 Kinds of dimming curves, Black finish housing Manual Focus with 4 Beam shaping cutters Efficient and well-designed Lamp reflector Intelligent temperature control Flicker free with selectable PWM Efficient Copper tube based Heat Sink for Heat Dissipation Sleek and Unique Designed Light weight body Fixture provided with Yoke of Manual Adjustment DmX 512 dimming with 1/4/6/10 DMX Channel Control modes IP20 protection, suitable to illuminate the key presenter or talent on stage. RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2- 13:2014	Theater items	nos	

403	SITC of 200W LED Blinder Light 30 Degree complete with 3200K CCT 2x100W Chip On Board LED Lamp source COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) DmX 512 dimming with 2 /6 Channel modes CRI & TLCI Value > 95 Strobe option Adjustable 1 ~ 25 times / Sec Variable Beam Angle 30 Degree Total Power Consumption of 210W 11.7KHz Refresh Rate In built preset's for effects Fuse and Internal safety protections Active Cooling with Low Noise Fan	Theater items	nos	
404	NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	Theater items	nos	

405	RGBLCA LED Spot Light SITC of 240W RGBLCA LED Spot Light LED life expectancy: 50,000 hours Advanced optical system to ensure clear and large-range wash effect Beam Angle: 25° RGBLCA excellent color mixing and rainbow effect, Preset program in stand-alone mode Smooth dimming with 16-bit resolution and 4 selectable curves Flicker free management, 4 touch buttons Display: TFT display Control: Master/Slave, Stand alone, IR remote, RDM. DMX modes: 6,10 Temperature intelligent protection to ensure LED service life Input voltage range: AC 100-240 V, 50/60 Hz Power consumption: 240 W Power connection: Neutric PowerCON In & Out Data connection: Neutrik 5pin XLR Socket IP rating: IP20 Dimensions: L 323x W 261 x H 150 mm	Theater items	nos	
406	SITC of 180W LED CCT tuneable Light complete with CCT Tuneable Lamp source LED source from Lumi led / Seoul / Nichia or reputed make (LM80 to be provided) Having CRI TLCI Values above 95 High precision steady colour	Theater items	nos	

407	No heat, DmX 512 dimming with 6 Channel Beam Angle 15°/ 25° / 45° 0 ~ 100% Smooth dimming, Powder coated Black finish housing Rigidly built pressure die-casted Aluminium body LED Easy view display Flicker Free for high FPS Smooth fade in and Fade out Data DmX through 5 Pin XLR's Total Power Consumption of 180W Sound Active Mode Control IP20 protection. 65dB ~ 130dB Sound sensing capacity Power In and Out Connections RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Accredited laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598- 1:2015, EN61437-2-13:2014 Brand embossed impact on the light body for genuine product	Theater items	nos	
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408	SITC of 400W LED Follow Spot Light with COB LED source from Citizen/ Philips/ Osram/ Cree or reputed make (LM80 to be provided) Daylight 400W COB 5700K White LED source Having 5 Colors inbuilt, Beam Angle : 10~16 Degree Fader based intensity control, Dimming and irish effects. CRI, TLCI value above 90+ 4 color wheel + open Dual Lenses for Variable Beam Black Powder coated finish Mountable on Stand Manual Control Panel - Faders, Pre-set buttons built in Colour Filters inbuilt 50,000 Hours Burning life	Theater items	nos	
409	Power Consumption 400W IP20 Rating of Protection MS & Extruded Aluminium Body RDM Control options with latest technology (RDM ID to be specified) Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014	Theater items	nos	

410	SITC of 300W LED Cyclorama Wash Light with LED source from Lumiled / Seoul / Nichia or reputed make (LM80 to be provided) 60 Degree or better beam spread 48 LED Emmitters having RGB+WW Source Seamless CCT Tuning from 3000K ~ 7000K R,G,B + WW direct access through knobs for manual operation 10 Presets for CCT Selection Luxeon LED High Lumens per watt RGB Colour mixing and presets control Asymmetric Reflector on LED's Uniform Spread with RGB LED control 14+ DmX Channel operation Barndoor arrangement for Light spill control Nuetrick Power loop in and Out 100V AC Input power along with Fuse protection No Noise 0 dB operation RDM Control options with latest technology (RDM ID to be specified) LM79 Certificates from NABL Acrediated laboratory Certification having BIS compliant to IS 10322 (Part 5/ Sec 1):2012 CE Certification compliant to EN60598-1:2015, EN61437-2-13:2014 Brand embosed impact on the light body for genuine product	Theater items	nos	
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411	SITC Aluminium O Type clamp made up of high grade aluminium having thickness not less than 5mm suitable for round tubes of dimension varying from 40 to 55mm outer diameter, provided with fixture mounting 25mm M8 bolt and wing nut, minimum 100KGs of safe working load, 40mm bolt and wing nut for pipe locking.	Theater items	nos	
412	SITC of Light Fixture dual safety Chain made up of GI wire rope Bundled and twisted together Having load bearing capacity above 200 Kgs Sleeve on the rope. Carabiner Clip	Theater items	nos	
413	SITC of Suspender cum clamps designed made out of MS material 150mm x 150mm x 5mm MS Base plate Threaded rod, Black powder coated finish All the materials under gone through 7 tank process with various chemical treatment to keep them rust free Suitable to hold various type grid & other rigging systems.	Theater items	nos	

414	SITC of Fixed stage side Ladder as per the design, Size of 600mm x 2400mm, Manual movable Made out of 40NB 48 OD Mild steel pipe dual barrel Dual Barrel Arrangement Dual Construction Powder coated with Matt black Texture Single Construction with Cross connecting pipes Cross connecting Pipes at every 600mm Ladder can be moved along the track or adjusted as required, Spud & Trolley, Pivoted or Fixed Suspenders as per site conditions	Theater items	nos	
415	SITC of Lighting Stand: "T" Stand used to hang ligh fixture in front of the stage with height adjustable option with T bar at the top to mount multiple fixtures, 3 Section stainless stand provided with T Bar arrangement, Dual Bars, Easy lift mechanism above 8 ft.	Theater items	nos	

416	<p>SITC of Power Distribution Electrical panel having a Incomer of 32 A. Floor mount / rack mount / wall mount.</p> <p>Miniature circuit brakers of single poles shall be fixed of different ratings from 6/10/16/25A as per the lighting fixtures.Wiring inside the module for power, control protection and instrument etc. shall be done with use of 1100 V confirming to IS 694 and IS 8130</p> <p>All welding slag grounded off and welding pits wiped smooth with plumber metal.Power panels shall be designed in such a way that the internal space is sufficient for hot air movement, and the electrical component does not attain temperature more than 40 degree Celsius.Fabricated panel shall be supported with ms angles of size 25mm x 25mm with an 1.8mm thickness sheet to hold the structure.</p> <p>Nuetral separation made using incomer of L&T or Schneider make, Voltmeter, Ammeter display for reading visualization Individual MCB control for 16 outgoing circuits RYB Phase indicators internally wired using IS certified wires and cables Terminal for both incoming and outgoing cable shall be suitable for 1100 volts grade, aluminum/copper conductor PVC insulated and sheathed, armoured cable and shall be suitable for connections. Provided with ivery connectors for the internal terminations and</p>	Theater items	nos	
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417	SITC of High quality power junction box 4 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Mouldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall / floor fixing	Theater items	nos	
418	SITC of High quality power junction box 2 way made up of MS Sheet metal fabricated housing. Snap fit fixing /15 (1.5mm) Total Max Rating 10A, 250V A.C 20°C to +70°C Operating Temp Mouldings: Nylon, Flammability Rating UL94V-0 Black powder coated, fibre glands of suitable size fitted with Powercon or IEC connector Box 10A. Clamp arrangement for fixing or Raul plug arrangement for wall/floor fixing	Theater items	nos	
419	SITC of High quality Dimming In junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Male socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	Theater items	nos	

420	SITC of High quality Dimming Out junction box 1 way made up of MS Sheet metal fabricated housing High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding Black powder coated, fibre glands of suitable size fitted with 5 Pin DmX XLR Female socket Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	Theater items	nos	
421	SITC of DmX Loop Junction Box having 1 No. of DmX 5 Pin XLR Female Socket & 1 No. DmX XLR Male Socket fitted on to a sheet metal fabricated compact Junction box powder coated with matt black texture finish paint. High temperature resistant insulator material All metal housing offers best overall RF protection & electromagnetic shielding. Clamp arrangement for fixing or Raul plug arrangement for wall /floor fixing	Theater items	nos	
422	SITC of Internal Earthing System with copper bare conductors all along the cable trays, metal parts and Installation Hardwares	Theater items	nos	

423	SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x150 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid.	Theater items	nos	
424	SITC of Black Powder coated cable trays made out of MS Sheet fabricated for a size of 40 x 75 x 40mm & 1.6 mm thickness undergone through 7 tank process with various chemical treatment to keep them rust free with perforation for heat dissipation provided with lid.	Theater items	nos	
425	SITC of DmX Male Female Connectors 5 Pin having rubber sheath protection for Cross connecting DmX wiring connections	Theater items	nos	
426	SITC of DmX Male Termination Connector 5 Pin soldered with required capacity of resistor for signal defaming	Theater items	nos	

427	DmX Touch Screen based controller having 7” Multi touch screen option 2 DmX Outlets 5 Pin XLR’s, 512 Channels each, Optically isolated outputs, 4 Smooth Encoders for control operation of attributes, Backlit keys, 12 Fader Stacks, 600+ Playbacks, 350+ Group saving, 350+ Presets, User defined shape effects, Macro saving options, External Midi timecode options, Internal clock, Shortcut user interfaces, Master fader, Blackout Key under Master fader, Numerical keypad for the light command entry inbuilt embedded within controller, USB interface, Scene saving options, Show saves and load save features, custom built user interface library for fixture files.	Theater items	nos	
428	SITC of Opto isolated RDM enabled DmX splitter unit provided with, 8 Isolated outputs Slow blow safety fuse 5 Pin XLR for output interface Dual mode to select 2 universe operation DmX Input through 5 Pin XLR Connector Control Protocol RDM and DMX 512 Powder coated compartment finish Mounting brackets for grid mount.	Theater items	nos	
429	SITC of FRLS Copper unarmoured Flexible cable IS694 having 3 Core each of 1.5 Sq mm size.	Theater items	nos	
430	SITC of 5 Core DmX Cable with Sheathed housing on the cable, well designed insulation, low noise suitable to transmit DmX signal.	Theater items	nos	

431	Outdoor LED Video Wall of approx. 3.84 m x 2.88 m or 12.6 ft x 9.45 ft (Diagonally 189 inches) Supply, Installation, Testing and Commissioning of Outdoor LED Video Wall of approx. 3.84 m x 2.88 m or 12.6 ft x 9.45 ft (Diagonally 189 inches), Should have 4.44 mm Pixel Pitch or better, LED Type: SMD or better, Max. Brightness 5000 Nits (cd/m2) or better, Refresh Rate \geq 3840 Hz or better, Grayscale: 16 bit or better, Viewing Angle(H/V) of 160/160. Should have Aluminum type cabinet and IP65 and IP54 ingress protection. Should be supplied with LED Processor complete with including floor mounting structure.	Theater items	nos	
432	Outdoor LED Video Wall of approx. 2.88 m x 1.92 m or 9.45 ft x 6.3 ft (Diagonally 136 inches) , Supply, Installation, Testing and Commissioning of Outdoor LED Video Wall of approx. 2.88 m x 1.92 m or 9.45 ft x 6.3 ft (Diagonally 136 inches), Should have 4.44 mm Pixel Pitch or better, LED Type: SMD or better, Max. Brightness 5000 Nits (cd/m2) or better, Refresh Rate \geq 3840 Hz or better, Grayscale: 16 bit or better, Viewing Angle(H/V) of 160/160. Should have Aluminum type cabinet and IP65 and IP54 ingress protection. Should be supplied with LED Processor complete with including wall mounting structure.	Theater items		
	Theaters items			
433	Supply, installation, testing & Comissioning of 12-Inch Powered Loudspeaker for Stage Monitor with Woofer Size 12” and Tweeter Size 1”,Freq Range -10 50 Hz - 20 kHz or better, Dispersion: 90° x 60° or more,Max SPL: 126 dB with Power Rating: 1000 Watts.	Theater items	nos	

434	Supply, installation, testing & Comissioning of 15-Inch Powered Loudspeaker for Top Speaker with Woofer Size 15” and Tweeter Size 1”,Freq Range (-10) 42 Hz - 20 kHz or better, Dispersion: 90° x 60° or more,Max SPL: 127 dB with Power Rating: 1000 Watts.	Theater items	nos	
435	Mixer with 32 channel,24 Mic Inputs with 48V Phantom Power and HPF per Channel;32 Line Inputs (24 mono and 4 stereo);6 AUX Sends + 2 FX Sends;4 GROUP Buses + ST Bus;2 Matrix out;1 Mono out.	Theater items	nos	

436	<p>Digital Mixer with 32 + 1 fader configuration. Input channels: 40 mono, 2 stereo, 2 return.</p> <p>Bussees: 20 Aux (8 mono, 6 stereo), Stereo, Sub, 4 matrix. Local I/O: 32 mic/line + 2 stereo line in, 16 out. Recallable “D-PRE” Microphone Preamplifiers provide an ideal sonic foundation. Intuitive user interface optimized for touch panel operation. Traditional Overview and Selected Channel Interfaces “1-knob COMP™” & 1-knob EQ™ make it easy to dial in the ideal sound. “QuickPro Presets™” provide instant access to pro sound setups. “GainFinder™” supports precision gain setup. “DCA Roll-out” enhances group control.</p> <p>“SENDS ON FADER” buttons instantly bring the specified AUX or FX bus levels up on the faders for easy verification and adjustment. Seamlessly integrated remote control and offline editing via an Apple iPad® or other computing device. Direct 2-track recording to USB storage devices, or serious multitrack recording to a DAW via USB. Multitrack recordings can be used for “virtual sound checks” when performers aren’t available. 1 expansion slot for NY64-D audio interface card. Other features: 8 Powerful Processing/Effect Units, User Defined Knobs, User Defined Keys, 8 DCA groups, and more.</p>	Theater items	nos	
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437	Supply of wall mount Dimmer 12 CHANNELS ,Power Input: 210V-240v,12 channel modular digital dimmer,Dimensions (WXDXH)=560X170X760MM,Rugged construction ensures long life even under the most demanding conditions.,Single, three phase operation.,MCB breakers,Individual channel test controls,Wattage: 48kw	Theater items	nos	
438	Supply, Installation,Testing and Commissioning of DMX Splitter 1 in 8 out The XLR connectors are mounted directly on the board.2. Connectors can be on the front or on the back. 3. Daisy chain of the input signal.4. Switch for DMX line termination.5. In 1 to 10 unit.	Theater items	nos	

439	Supply, Installation,Testing and Commissioning of Avolite Panel with Internal Flash Drive, similar in functionality to a hard disk but faster and more rugged. Provides enough storage for:The entire Fixture Library of more than 3,000 files Over a hundred show files. Removable external Memory Stick. Cache the entire Fixture library of more than 3,000 files Improved method of Fixture selection for Patching New Locate Fixture button Fixture Selects (selecting the top row of faders) 2048 Channels. 240 Intelligent Fixtures. 240 Dimmer Control Channels. Theatrical Plotting and Playback functions. Shape Generator for instant creation of patterns and effects. 15 Playback Masters controlling 450 memories, chases or cue lists. MIDI and Bass, Mid, Treble sound to light triggers. Colour VGA output fitted as standard.	Theater items	sqft	
440	UPVC DOOR AND WINDOW /VEIKA/PLASTONE & EQUIVALENT MAKE	Interior work	sqft	
441	UPVC DOOR AND WINDOW /FENESTA/INCRAFT/PROMINANCE & EQUIVALENT MAKE	Interior work	nos	
442	Providing and fixing of Acrylic letters logo	Interior work	nos	
443	Toilet Seat:	Interior work	nos	
444	Providing & Fixing Toilet Seat Complete - somany/cera/hindware Nos - Basic Model	Interior work	nos	
	Washbasin:			
445	Providing & Fixing Wash basin complete - somany/cera/hindware Nos - Basic Model	Interior work	nos	

446	Providing and fixing stainless steel sink 1 number Nirali Make or equivalent as per approval of size approx. 18inch X 24 inch or as available per approval in platform complete including all required cutting, filling, preparation for installation, connecting waste coupling, waste pipe, adhesives/ sealers/ fillers etc	Interior work	nos	
447	Gun metal Valve: Providing supplying & Fixing of Gun metal valve with ISI Make " Zoloto/Cera/Somany or equivalent as per site required	Interior work	nos	
	Stop Cock			
448	Providing supplying & Fixing of "Somany/Cera/Hindware or equivalent make" stop cock As per required for water line.	Interior work	nos	
	Angle cock			
449	Providing supplying & Fixing of Angular stop cock with wall flange as per required Toilet area Nos - Basic Model - Somany/Cera/Hindware or equivalent make	Interior work	nos	
	Health Faucet			
450	Providing and fixing Health Faucet with flexi pipe and connections to angular valve as per directed by designer.Nos - Basic Model Somany/Cera/Hindware or equivalent make	Interior work	nos	
	Paper Holder (for Toilet)			
451	Providing & Fixing of Paper holder including toilet paper roll holder with Papars as per Approved sample .Nos - Basic Model Somany/Cera/Hindware or equivalent make	Interior work	nos	
	Soap Dispensor 450ML			

452	Providing & Fixing of 450 ML Mini Liquid soap Dispenser including fixing & Soap pouch etc Nos - Basic Model Somany/Cera/Hindware or equivalent make	Interior work	nos	
	Bib Cock			
453	Providing and fixing of Bib cock (As per approved) with connecting it to source with 10-12mm piping,Bib tap ,elbows, tees etc.Including Teflon tape etc , Basic Model Somany/Cera/Hindware or equivalent make	Interior work	nos	
	Nahani Trap			
454	Providing and fixing heavy duty PVC Nahani trap	Interior work	nos	
	Mirror Frame			
455	Mirror : Providing Mirror for toilet 5mm thick with 6mm ply covered with bidding IN SQFT	Interior work	nos	
456	Providing and fixing stainless steel (Grade 304) railingmade of Hollow tubes, channels, plates etc., includingwelding, grinding, buffing, polishing and making curvature(whenever required) and fitting the same with necessarystainless steel nuts and bolts complete, i/c fixing the railingstainless steel bolts etc., of required size, on the top of thefloor or the side of waist slab with suitable arrangement asper approval of Engineer-in-charge, (for payment purposeonly weight of stainless steel members shall be considered	Interior work		
	SYNTHETIC ENAMEL PAINTING			

457	Scrapping the existing paint & providing & Applying new Painting two coats (including priming coats) on new steel and other metal surface with enamel paint of approved brand and manufacture (Asian Paint/Berger Rangoli/J&N Paint/Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matters etc. complete as directed by The Bank.	Interior work	sqft	
458	NEW GRILL DOOR (M.S CNC CUT DESIGNER DOOR) Providing and fixing New Grill Door M.S CNC Cut Designer Door in built up tubular (round, square or rectangular hollow tubes etc.) including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers, accessories and 2 coats of enamel painting etc. complete. for finished item of work at site as per the directions of Bank.(Approximate weight 4kg/sqft) Design as approved by the Bank	Interior work	nos	

459	<p>WASH BASIN COUNTER: Providing and fixing Wash basin Counter in 20mm thick machine cut , mirror polished Granite slabs of approved shade and colour in length upto 1800 mm, embedded into the wall upto 25mm set in cement mortar 1:4, with exposed edges comoflanged with 20mm thk granite of same colour including dressing the nosing the sides to the required shape and cutting for wash basin etc.as directed with sizes as per drawing for wash basin counter, laid over 40 mm thk comoflanged granite, polished of same colour including dressing the nosing and sides to the required shapefor the supports in the center with comoflanged granite as per the drawings. Rate to include final mirror polish after installation. Vertical supports in granite shall be of 35mm thk. Granite to be approved by Bank.The rate shall be inclusive of all the material ,labour, hardware, transportation necessary required for the complete execution of the item as directed by the Bank.</p>	Interior work	nos	
460	<p>SS Sink : Supply and fixing of Nirali Elegance Stainless Steel sink of Overall Size : 1145 mm x 510 mm (45 inch x 20 inch) AISI 304 GRADE STAINLESS STEEL required fixtures. The scope of work is inclusive of provision of Bottle trap with coupling, hose pipe etc complete in all respects as directed by Bank. Make: NIRALI</p>	Interior work	rmt	

461	Supply & fixing in position of approved make and quality type B, SWR PVC soil waste and vent pipes jointed with good quality of lubricant for sunken slab and walls. The scope work is inclusive of all necessary fittings, specials like bends, tees, offset junctions, pan connections, cowls and suitable clamps etc complete in all respects as directed by the Bank	Interior work	rmt	
462	75 mm Dia	Interior work	rmt	
463	100 mm Dia	Interior work	rmt	
464	7 Supplying and fixing 100 mm dia inlet - 75 mm (3") outlet PVC floor traps 1st quality ISI marked with C.P grating fixing with white cement as per the site requirements with standard practice including CP cockroach trap with grating, black painted for all floors including cost and conveyance of all materials to site, labour charges etc, complete for finished item of work	Interior work	sqft	
465	WALL DADOING Supply and fixing of Kitchen Dadoing wall tiles of 1st quality glazed vitrified tiles of 300mmx600mm size or approved size of approved colour, design and make over a base plaster of 15mm thick on the brick work and 12 mm thick cement plaster 1:4 levelling course with approved matching colour with tiles at all levels with all required tools, plants, materials and labour required to complete the work in all respects as directed by Architect. The Basic cost of the tile is . The rates all be inclusive of all the material, labour, hardware, transportation necessary required for the complete execution of the item as directed by the Bank	Interior work	nos	
466	DISMANTLING & DISPOSAL OF MALBA	Interior work	sqft	

467	REMOVAL OF THE EXISTING DOOR in the director's cabin and then filling it with the brick work along with the surface finished in plaster.	Interior work	sqft	
468	REMOVAL OF EXISTING Window (w1 and w2) and filled up with the bricks which will then be finished with the laminate as per approved by the architect.	Interior work	sqft	
50 - 75 MM THICK SCREED CONCRETE FLOORING				
469	Providing & laying average of 50~75 mm thick with power trowelled smooth finish screed concrete flooring using M15 Grade Ready Mix (RMC) concrete to line and level as per the finalized bill works. The screed concrete floor has to be laid in panels of Maximum size 3 mtrs x 3 mtrs by the alternative bay method. The construction joint shall be cut using diamond bit wheel for a width of 3 to 4mm and a depth of 30mm within 20 to 30 hours of concreting, no delay shall be acceptable. On curing and drying of the concrete the construction joints have to be filled with Nitomortor 30 manufactured by FOSROC Chemicals (India) Pvt. Ltd.,. The rate to include necessary Base cleaning, chipping of loose mortar /concrete, water wash of the mother slab/ existing concrete surface to the satisfaction of Architect / PMC with , consolidation, levelling, power trowelling smooth finishing and curing etc., complete with lead and lift to all levels as directed by the architects / engineer in charge in line with the technical specification. to receive carpet.	Interior work	sqft	
ALUMINIUM ANODISED SKIRTING				

470	Supply and installation of 50 mm high proprietary anodized aluminium skirting section of Jeb, Alloy or approved equivalent make fixed to the existing masonry walls, columns, partitions etc., including chipping the masonry wall so as to get flush with masonry/partition surface with grooves to pattern, installed as per manufacturers specifications adhering to the detail drawings. The cost to include supply and installation of skirting section with capping strip and corner stake accessories as specified by the manufacturer adhering to the detailed drawings.	Interior work	sqft	
471	ANTI TERMITE TREATMENT - Providing & Injecting anti termite treatment for entire area (Pest control) with Durmat and creating a chemical barrier all around columns, walls, all corners, top surface, junction of wall and floors as per manufacturer specification's and ISI standards including a 3 years guarantee under suitable undertaking on stamp paper etc, complete as directed	Interior work	sqft	
	Mineral Fibre Ceiling Tiles with Silhouette Grid			

472	Providing & Fixing of Mineral Fibre Acoustical Suspended Ceiling System with (Bevelled Tegular) Edge Tiles With 15mm Exposed GRID. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.9, Light Reflectance ≥85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 / Class 1 (BS 476 pt - 6 &7) , suitable for Green Building application, with Recycled content of 63%. The tile shall be laid on Silhouette profile grid system with 15mm white flanges incorporating a 6mm central reveal in white/black colour and with a web height of 38mm and a load carrying capacity of minimum 11.25 Kgs/M2 & pull out strength of 100Kgs. Silhouette, Main Runners & Cross Tees to have mitred ends & “birdsmouth” notches to provide mitred cruciform junctions. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension	Interior work	sqft	
GYPSUM BOARD FALSE CEILING				

473	<p>Providing and fixing suspended false ceiling which includes providing and fixing GI perimeter channels of size 0.55 mm. Thk. having one flange of 20 mm and another flange of 30 mm and web of 27 mm along the perimeter of the ceiling, screw fixed to brick wall/ partition with help of nylon sleeves and screws, at 610 mm centers. The suspended GI intermediate channels of size 45 mm,0.9mm thk with two flanges of 15 mm each from the soffit at 1220 mm centers with ceiling angles with ceiling angle of width 25mm x 10mm x 0.55mm thk fixed to soffit with GI cleat and steel expansion fasteners. Ceiling section of 0.55 mm thk having web of 51.5 mm and two flanges of 26 mm each with lips of 10.5mmare then fixed to the intermediate channels with help of connecting clips and in direction perpendicular to the intermediate channel with centers 12.5 mm tapered edge gypboard (Confirming to IS-2095-1982) is then screw fixed to ceiling section with 25 mm dry wall screws at 230mm centers. Screw fixing is done mechanically either with screw driver or drilling machine with suitable attachment.</p>	Interior work	sqft	
474	<p>Cove and Verticals :- P&F gyp board on frame, which includes filling and finishing the board edges with jointing compound, paper tape. Complete as per drawings and directions specified by the architect. Area - All Area </p>	Interior work	sqft	
475	<p>PLYWOOD PELMET FOR WINDOWS/GLAZING</p>	Interior work	sqft	

476	Providing and fixing pelmet made in 19 mm plywood to enable fixing of blinds along the window and other area with necessary 50 x 50mm salwood /19mm thick plywood supports system at regular intervals as directed by the Architects. The plywood edges shall have pvc beading as per the detail drawings. The exposed teakwood surfaces shall be stained to shade as directed by Architects and polished melamine	Interior work	sqft	
477	250 x 600mm high in Laminate finish	Interior work	sqft	
	PARTITION AND PANELLING WORK			
478	Providing and fixing in position using proprietary make JEB (SAPPHIRE ALUMINIUM PRODUCTS) Aluminium fully glazed partition made in 12mm thick toughened glass panels held in position as per the detail drawings. The glass shall be held at top throughout the length with 25 x 25mm Proprietary aluminium sections fixed to 25 x 25 mm Aluminium framework at the false ceiling level and fixed at floor level at bottom with 75mm x 25mm Aluminium Sap proprietary aluminium sections in the floor after neat machine groove cutting in the floor including necessary foam to cushion the glass and sealed with approved non staining silicone sealant as per the detailed drawing. Jeb series SAP 047, 44, 45 with required wedge and stakes as per the manufacturers specifications/detailed drawings. The edges of the all glass panels shall be machine polished. The glass joints shall be of butt/Champhered type and finished with non staining servex seal as approved by the Architect.	Interior work	sqft	

102MM THICK PLAIN GYPSUM BOARD PARTITIONS				
479	102mm thick Gypsteel Ultra™ C stud partition which includes 2 layers of tapered edge 12.5 mm thick Gypsum board with screw fixed with drywall screws of 25mm, 50mm at 300mm centres to either side of 48mm Gypsteel Ultra™ C stud (0.5mm thick having one flange of 34mm and another flange of 36mm made of GI Steel) placed at 610mm centre to centre in 50mm Gypsteel Ultra™ floor and ceiling channel (0.5mm thick have equal flanges of 32mm made of GI steel), which is anchored to the floor & true ceiling using suitable anchor fasteners. The boards are to be fixed to the framework with joints staggered to avoid leakage through joints. A Gypsteel Ultra Noggin Channel of width 70mm (0.5mm thick having two flanges of 40mm each) is to be fixed using Gyproc metal to metal flat head screw at horizontal joints of the boards with Gyproc drywall screws of 25mm, 50mm at 600mm c/c at center and 300mm c/c at periphery of the board. Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with Gyproc Jointing compound, Gyproc Joint Paper tape and two coats of Drywall Top Coat (as per recommended practices of Saint- Gobain Gyproc India) . The junction of the partition with masonry & all penetration through the	Interior work	sqft	

480	The partitions shall have 50x50mm and 75mm wide, 12mm thick exterior grade HDF corner guards finished Autocoat paint with grooves to pattern as per the detail drawings. The partition shall also have 75mm high proprietary anodised aluminium skirting as per manufacturers specifications at the bottom on both the sides flush with gypsum board surface with grooves as per the detail drawings. The anodised aluminium channel of required size shall be embedded in grooves with edges neatly finished with India Gypsum make veneer gyp-plaster as per the detail drawings. This also includes necessary cut out required for A/C Duts, cable trays, other services which pass through the partitions and seal the gap with Gypboard and seal the joint with Acoustic/Fire seal as directed by the Architects.	Interior work	sqft	
ABOVE FALSE CEILING				

481	98mm thick Gypsteel Ultra™ C stud partition which includes 2 layers of tapered edge 12.5 mm thick Gypsum board with screw fixed with drywall screws of 25mm, 50mm at 300mm centres to either side of 48mm Gypsteel Ultra™ C stud (0.5mm thick having one flange of 34mm and another flange of 36mm made of GI Steel) placed at 610mm centre to centre in 50mm Gypsteel Ultra™ floor and ceiling channel (0.5mm thick have equal flanges of 32mm made of GI steel), which is anchored to the floor & true ceiling using suitable anchor fasteners. The boards are to be fixed to the framework with joints staggered to avoid leakage through joints. A Gypsteel Ultra Noggin Channel of width 70mm (0.5mm thick having two flanges of 40mm each) is to be fixed using Gyproc metal to metal flat head screw at horizontal joints of the boards with Gyproc drywall screws of 25mm, 50mm at 600mm c/c at center and 300mm c/c at periphery of the board. Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with Gyproc Jointing compound, Gyproc Joint Paper tape and two coats of Drywall Top Coat (as per recommended practices of Saint- Gobain Gyproc India) . The junction of the partition with masonry & all penetration through the	Interior work	sqft	
LAMINATE PANELLING				

482	LAMINATE - 1 Providing and fixing designer laminatn wall and column paneling on framework made in 2" x 2" thick sal wood sections, placed at 2'-0" c/c in both the directions in different horizontal levels as per detail drawing. The framework shall be claded with 12mm thick plywood on one side and finished with 1mm thick designer laminate of approved shade and colour and grain direction as directed over hard wood frame work of size 50mmx25mm fixed to the wall including providing necessary grooves & cutout for electrical boxes etc all complete as per design & drawings Basic rate of Laminate -Rs 2500 /- sheet	Interior work	sqft	
483	LAMINATE - 2 Providing and fixing designer laminate wall and column paneling on framework made in 2" x 2" thick sal wood sections, placed at 2'-0" c/c in both the directions in different horizontal levels as per detail drawing. The framework shall be claded with 12mm thick plywood on one side and finished with 1mm thick designer laminate of approved shade and colour and grain direction as directed over hard wood frame work of size 50mmx25mm fixed to the wall including providing necessary grooves & cutout for electrical boxes etc all complete as per design & drawings Basic rate of Laminate -Rs 2500 /- sheet	Interior work	sqft	

484	LAMINATE - 3 Providing and fixing designer laminate wall and column paneling on framework made in 2" x 2" thick sal wood sections, placed at 2'-0" c/c in both the directions in different horizontal levels as per detail drawing. The framework shall be claded with 12mm thick plywood on one side and finished with 1mm thick designer laminate of approved shade and colour and grain direction as directed over hard wood frame work of size 50mmx25mm fixed to the wall including providing necessary grooves & cutout for electrical boxes etc all complete as per design & drawings Basic rate of Laminate -Rs 2500 /- sheet	Interior work	sqft	
485	Soft Board Panelling : P&F paneling over adequate leveled frame formed of 12mm thick celotex board wrapped in fabric with all 4 sides of celotex panel finished with wooden margin of appropriate size. All grooves to finished with laminate/veneer/fabric all around to match the main fabric paneling, unless specified otherwise. panelling to include veneered skirting as required. base rate as per boq inclusive of all taxes. basic rate of Fabric Rs 450/-	Interior work	sqft	
486	Lacquered glass Panelling: Providing and fixing saint gobain Lacquered glass as per approved shade. Glass to be non toughened 6mm thk. glass mounted on backing ply of appropriate thickness. Glass to be fixed with neutral silicon adhesive of adequate bond strength, to laminated strips affixed to the backing ply. Glass to be finished with edge treatments as per full height glazed partition.	Interior work	sqft	

487	Providing & fixing of 19mm thick ply boxing between interior & glazing with the help of screw as required & instructed by architect / engineer in charge. Boxing has to be finish with paint approved by architect. Rate shall be include with all material shifting, temporary stand & scaffolding where ever required as per instruction by architect & PMC (Required material test certificate along with supporting document) Rate shall be include with material movement & shifting for all the floors. Ply has to be from green ply or equivalent.	Interior work	sqft	
	POSTFORMED CILL COPING			
488	Fabricating, Supplying and Fixing in position 25mm thick, 300-350 mm wide with upto 450mm height Postformed cill to shape anchored in the wall with Hold fast etc., complete, as per architectural drawings & finishes.	Interior work	sqft	
	GYPSUM PANELING			
489	Providing and fixing in paneling on framework made in 2" x 2" thick sal wood sections, placed at 2'-0" c/c in both the directions as per detail drawing. The framework shall be cladded with 4mm thick plywood on one side and finished with 12.5mm thick gypsum board with edge binder of India Gypsum make. The gypsum surfaces shall then be finished in paper tape, two coats of under coats and finally painted with Plastic paint of approved make and shade. The edges of the grooves shall be neatly finished with India Gypsum make veneer gyp-plaster as per the detail drawings and manufacturers specifications.	Interior work	sqft	
DOORS				

490	DOORS - TYPE (GD) ALUMINIUM SLIDING GLASS DOOR (Size 1000 x 2400 mm)	Interior work	sqft	
491	Providing fabricating and fixing Aluminium Glazed door made of 10mm toughened glass of approved make, supported on proprietary (SAPPHIRE ALUMINIUM PRODUCTS) sections of Single Leaf Jeb Wideline Door frames formed out of 90x 25mm Thk sections using JEB 112A, 113, 116 & 008 as Door jamb with required accessories.The glass door shall be held with anodised aluminium section of Single leaf JEB Wideline door shutter using 75 x 45mm SAP 422 for the hinge and the lock stiles and SAP 425 & 428 for the top & bottom stiles with spigots and other required accessories. The 100% of the glass shall be fixed with 3M film for frosted/ etched effect to the pattern as indicated in the detail drawings. This also includes providing necessary MS powder coated girders, supporting angles to hold the frame above the false ceiling as per the manufacturers specification adhering to the detailed drawings.	Interior work	sqft	
492	GLASS FIRE SAFETY DOOR (Size 2000 x 2400 mm)	Interior work	sqft	
493	FIRE SAFETY DOOR WITH GLASS PANEL (Size 2000 x 2400 mm)	Interior work	sqft	
494	FLUSH DOOR (1000 X2400)	Interior work	sqft	
495	FROSTED/ETCHED FILM	Interior work	sqft	
496	Providing and fixing 3M frosted/etched film of approved texture and pattern to Glass surface as per the detailed drawings and as directed by the Architects.	Interior work	sqft	
497	3M DIGITAL VINYL GRAPHIC FILM ON GLASS	Interior work	sqft	

498	Providing and fixing 3M digital vinyl film of approved texture and pattern to Glass surface as per the detailed drawings and as directed by the Architects.	Interior work	sqft	
499	Room Signages : Room Signages with braille language : Providing and Fixing Internal signages for Rooms - with braille language - made out of 2 mm thick SS Plate with Brush steel finish grade 316 or any other equivalent material, overall size to be 450mm X 150mm. Complete with adhesive/ 3M double sided tape etc	Interior work	sqft	
500	General Luminous Fire Exit Signages: Providing and installing Double sided glow signs- fire exit signage at locations indicated by the architect including all exit points and direction signage. Size of Glow signage to be 300mm X 100mm.	Interior work	sqft	
501	Push/ Pull signages for all glass doors - Providing and installing Push / Pull signages made out of colored vinyl . Size of the signage - 150 x 40mm.	Interior work	sqft	
502	Providing and fixing in position Roller blind (of specified make as per list of approved manufacturer) . The control end cap accomodate gear and ball chain pully.GSM --- -370, Thickness -0.35, Polyester -100%, Acrylic Coated, Width - 2.55 m	Interior work	sqft	
503	Entrance Floor Mats-- Providing and installing trapper floor matting (Heavy duty) as per manufacturer specification Source :- Euronics Basic cost Rs 220/- per sft FOR at site	Interior work	nos	

504	Providing and fixing fully charged ABC powder type (Mono-Ammonium Phosphate - MAP 90) portable fire extinguishers conforming to IS:15683, fixed to wall with brackets complete with initial charge. (Note: The cost for stand of fire extinguisher shall be included in this rate)	Interior work		
505	a) Capacity 2 Kg.	Interior work		
506	b) Capacity 6 Kg.	Interior work	nos	
507	Aluminium sink in the pantry	Interior work		
DEMOLITION WORKS				
508	Dismantling R.C.C. work, and disposing malba	Interior work	sqft	
509	Dismantling cement flooring (including terrazzo flooring) and subflooring and disposing malba	Interior work	sqft	
510	Dismantling of internal and external plaster from walls, ceilings including removal of malba.	Interior work	sqft	
511	Dismantling of exisiting roofing and terracing including removal of malba.	Interior work	sqft	
512	Dismantling of exisiting brickwork including plaster/ wall tiles if any and removal of malba	Interior work	sqft	
513	Dismantling of exisiting doors, window frames, shutters, dry wall, false ceiling, and partition walls and stacking of reusable material for owner and disposal of non usable material.	Interior work	sqft	
514	CONCRETE WORKS/RCC Works	Interior work	sqft	
515	CEMENT CONCRETE SCREEDING :- Providing and laying M-15 cement concrete screeding for flooring, tamped, spaded , trowelled as directed laid to water levels or proper slopes as directed with necessary shuttering, curing etc, complete at all heights and levels.	Interior work	sqft	

516	Providing, laying compacting and curing plain cement concrete upto 4" th. in under floors and including cost of all materials, labour, machineries tools and tackles and processes all complete.	Interior work	sqft	
517	With 1:3:6 (1 cement : 3 coarse sand : graded crushed stone coarse aggregate 1 in. and down)	Interior work	sqft	
518	Providing and laying RCC in Suspended floors, roofs, balconies, shelves/ counters, stair waist slabs, folded plate stairs and landings, lintel and floor beams, girders (deep beams), transfer beam, slab, column heads, RCC bands, cantilever projections, slab of tank, ramp, platform etc.	Interior work	sqft	
519	M20	Interior work	sqft	
520	M25	Interior work	sqft	
521	Providing and laying on sunken areas broken light weight concrete blocks of approximately 600 kg per cum, density laid, consolidated, finished smooth, including finishing & grouting the top layer	Interior work	sqft	
WATERPROOFING				
522	Tapecrete Waterproofing	Interior work	sqft	

523	Providing, applying & testing water proofing treatment of RCC sunken / roof slab (toilet, water tank etc.) comprising of the following operations. Cleaning RCC surfaces and plastering of RCC/Brick walls with 12 mm cement mortar 1:4 (1 cement : 4 coarse sand) mixed with CICO admixture as per manufacturer's as required with making corner fillet (Gola) 25 x 25mm size at the junction of walls and slab by cement sand mortar 1:4 mixed with Acrylic base polymeric compound. Pipe joints sealing specifications. Three coats of tapecrete - (first layer of tapecrete to be @ 0.253 kg/Sqm, the second & third layer to be @ 0.126 kg/Sqm) each admixed with grey cement over a coat of neat cement slurry admixed with chemical CH-9 and sealing all corners, joints, junction or pipes and masonry etc. with Epoxy putty all complete as per manufacuter's specification and drawing. 12 mm thick protective plaster 1:4 (1 cement : 4 coarse sand) over treated surface etc. complete. (Quoted rate to include grouting of RCC surface for any cracks/fissures).	Interior work	sqft	
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524	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscocity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :	Interior work	sqft	
525	on horizontal surface with 3 mm thick AAP membrane	Interior work	sqft	
526	on vertical surface surface with 3 mm thick AAP membrane	Interior work	sqft	

527	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out aft	Interior work	sqft	
	False Flooring			

528	<p>The Access raised floor shall be medium grade bare panel of vinyl flooring antistatic finish and also point load of 3.6 KN and UDL of 1350 KN/m2; panels manufactured from steel with lightweight wooden/cementitious core in the size 600 X 600 X 35 mm.</p> <p>The bottom of the panel shall be embossed in hemispherical shape to give strength and flexural rigidity. The entire panel shall be finished with electrodeposition of cathodic epoxy paint on the exposed surface for lifetime protection and shall be Zinc Whisker free.</p> <p>Pedestals design shall confirm speedy assembly and removal for relocation and maintenance. Pedestal base to be permanently secured to portion on sub-floors, pedestal assembly shall provide easy adjustment of leveling and accurately aligned panel to ensure lateral resistance. It shall be designed to avoid any rattle or squeaks. It consists of 100x100x2mm thick galvanized base and head assembly consisting of 75mmx75mmx3.5mm embossed ribbed head with four holes with PVC locator for panel location and sound insulation. The panels shall be corner locked to the pedestals for complete rigidity and stability.</p> <p>Pedestal shall be permanently fixed to sub floor by application of epoxy or fastners to achieve Finished Floor Height (FFH) of 200mm</p>	Interior work	sqft	
Transition profile				

529	Providing and fixing pre-approved bought out transition profiles of SS for joints on the floor between flooring of two different materials. The transition profile to have flanges to overlap over both the materials on either side as per sample approved by the architect. Approx width of 32 mm OR a straight SS strip 8mm thk, 20mm in height.	Interior work	sqft	
	Approved make: Bottom line or equivalent	Interior work		
	ALUMINIUM and UPVC WORKS			
	Aluminium			
530	Supply and installation of powder coated aluminium partition using profile 63mm x 38mm (1.6mm thick) for framework, 83mm x 45mm with 10mm (fixed) and 6mm (door) clear toughened glass, lock, handle and all necessary hardware.	Interior work	sqft	
531	Supply and installation of powder coated aluminium four track sliding door in DOMAL profile (Jindal / equilent), 6 mm thick toughened glass alongwith E P D M rubber gasket and all necessary hardware	Interior work	sqft	
532	Supply and Installation of multitrack sliding system to display artwork on the panels using 19mm thick blockboard in laminated finish + margin on the side, as per architect. Boards to move on 1” G channel, along with sliding runner, having each panel size of 7’ x 3’. Extra to be paid for artwork as per actual.	Interior work	sqft	
UPVC				

533	P/F factory made White UN-PLASTICIZED Poly Vinyl Chloride (uPVC) Partitions or Windows/Doors (as per approved list of makes or approved by Architect/ Consultant) at all levels made out of extruded three chambered profile frames with hermetically sealed double glazed glass customized in min 56mm wide system i/c all fittings and fixing at site and sealing of gaps as per the designs & specifications narrated below and as per direction of Engineer-in-charge, all complete.	Interior work	sqft	
	Duco Paint			
534	Providing and applying three or more coats of duco paint of Asian Paints or equivalent as approved by architect-in-charge, and rubbing to give a smooth finish on new and old surfaces over a coat of approved primer including the cost of preparing the surfaces with filling materials (putty), along with sand papering wherever required, scaffolding etc. complete.	Interior work	sqft	
	Enamel Paint	Interior work	sqft	
535	Providing and applying three or more coats of enamel paint of Asian Paints or equivalent as approved by architect-in-charge, and shade to give a smooth finish on new and old surfaces over a coat of approved primer including the cost of preparing the surfaces with filling materials (putty), along with sand papering wherever required, scaffolding etc. complete. (done with machine)	Interior work	sqft	
Texture Paint				
536	Providing and applying Stucco Paint as per architects choice, appropriate priming of the surface and required coats need to be provided (basic rate 125Rs/sft)	Interior work	sqft	

537	Finishing wooden surfaces with clear laquer polish of approved brand to give an even shade including preparing and priming surface with filling material etc.	Interior work	sqft	
538	Finishing wooden surfaces with 4 coats of touch wood clear polyurethane polish including surface preparation and staining to desired shade complete	Interior work	sqft	
539	Melamine Polish on woodwork, 1 or more coats, as approved by architect	Interior work	sqft	
Metal Ceiling				
540	ACOUSTIC CEILING TILE (WHITE) :- Providing & Fixing of Armstrong Mineral Fibre Acoustical Suspended Ceiling System with Dune Max (Sabbia) COMPLETE.SILHOUTTE" grid and shadow angle of size 600x1600x18mm laid on 24mm hot dipped galvanized steel suspension system. The tile should have thickness of 18mm and humidity resistance of 95% RH, average NRC 0.7, sound attenuation of 20db, light reflectance >84%. Thermal conductivity k= 0.036 w/mk, colour white , fire performance 0/class I (BS-476) Installation to comprise main runner spaced at 1200mm maximum centres. The last hanger at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runner at 600mm centres to form 1200x600mm module. Perimeter trim to be Armstrong wall angle of size 19x19x3000mm, secured to wall at 450mm maximum centres.	Interior work	sqft	
	Sounds Baffles			

541	Providing and hanging SS Blades Straight 400 x 1800 x 40mm - Traffice white sound absorbing baffles from the ceiling of armstrong make with required support/hanging system as approved by architect	Interior work	sqft	
542	Providing and hanging SS Blades Curved 400 x 1800 x 40mm - Traffice white sound absorbing baffles from the ceiling of armstrong make with required support/hanging system as approved by architect	Interior work	sqft	
Paneling				
543	Providing and Fixing of Laminated wooden slats Panelling for Interior fit outs of approved make over 12 mm thick commercial grade ply in straight and curved shape. Cost to include making cutout to accommodate strip lights.	Interior work	sqft	
Mirror paneling				
544	Providing and fixing 6mm thk mirror paneling on a 12mm thk WATER GRADE PLY BASE (mirror to be of Saint gobain/Modi make or manufacture, as specified by Architects/Clients). The mirror panel to be hanged on the wall with screws and flattened hooks as per design and mirror to be stuck with silicon/fevicol and detail all complete as per the instructions of the architect.	Interior work	sqft	
Wooden hand printing block paneling				
545	Providing and fixing hand printing wooden blocks (average size 100 x 100mm) with fevicol to on 12mm thick MDF base fixed on backing of gypsum board fixed on the wall. Price per piece of print block is 100Rs	Interior work	sqft	
Acoustic Wall Panelling				

546	Providing and fixing Armstrong Optra Fabric Acoustical Wall panel – 600 x 600mm & 600 x 1200mm with required fixing system as per architects (price for 2’ x 2’ and 2’ x 4’ is the same)	Interior work	sqft	
Trap Doors				
547	Providing and fixing Trap doors to house AC ductable units, made out of 50mm x 12.5mm TW frame and 19mm thk marine ply consisting of openable panels. The shutter to be finished in 1.0mm thk laminate of approved shade and color, on inside and outside, and all wooden members shall be finished in melamine polish. Cost to include heavy duty hinge, tower bolts other necessary hardware	Interior work	sqft	
548	Size:, 300mmx300mm,	Interior work	sqft	
549	Size:, 600mmx600mm,	Interior work	sqft	
550	Size: 1200mmx900mm,	Interior work	sqft	
551	Drywall – G.I Framework for Partitions (48mm) + 12mm MDF	Interior work	sqft	

552	<p>P/F G.I Frame for Partitions 48mm Gypsteel Ultra™ C stud (0.5mm thick having one flange of 34mm and another flange of 36mm made of GI Steel) placed at 610mm centre to centre in 50mm Gypsteel Ultra™ floor and ceiling channel (0.5mm thick have equal flanges of 32mm made of GI steel), which is anchored to the floor & true ceiling using suitable anchor fasteners or metal screws with nylon plugs. Gypsteel fixing channel of 99mm width (0.9mm thick having two flanges of 9.5mm each) has to be provided at the horizontal joints of the two boards screw fixed to the studs using metal to metal flat head screws. Hardwood with plywood will be provided as additonal support for taking load of LCD, overhead storage, shelves, fix door frames, skirting etc wherever required. GI Framework will be cladded with two layers of 12 mm gypsum on oneside and one layer of gypsum and 1 layer of ply/ MDF on otherside.</p>	Interior work	sqft	
553	<p>Glass Wool Insulation - Providing and placing 50 mm thick glass wool insulation of 32 kg/ cum. density neatly packed in black fleece bag (Non Woven Tissue) bags of various sizes and shapes,bags shall be fully stiched all round with 25 mm double leaf fold, sealing the rockwool fibre fully. The bags to be stuffed in the cavities of Gyp. partitions from floor up to RCC slab above, cross stiched from one side with GI frame work of partition by 24 g GI wire to keep bags in possition. Suggested Brand : Twiga / Eay</p>	Interior work		
	MAKE: St Gobain - Gyproc / RONDA			

554	Do as above but instead of MDF skin use double skin of gypsum sheet on bothside for above false ceiling partitions,including Glass wool insulation	Interior work		
	Pelmets			
555	Providing & fixing pelmet size of 150 x 150 for projector in 19mm blockboard finished with 4mm gypsum as per architects design/details/ instructions. Cost to include framework for mounting pull down screen / as required, all complete	Interior work	sqft	
	Toughened Glass Partition for Urinals			
556	Providing and fixing 12mm think toughened frosted glass partitions and fixed to the wall of max size 1200 x 600mm.	Interior work	sqft	
Evacuation Signage				
557	Providing and Fixing evacuation signage plan on coated paper of size 450mmx600mm and framing it all around with a glass cover	Interior work	sqft	
Graphic panels (Installed area to be measured and paid for)				
558	On solid surfaces	Interior work	sqft	
559	Opaque graphic film in vinyl of about 2 mil thickness in solid colours for decorative applications. Cost to include color printing, design & installation, designing and samples , drafts for client approvals all complete as per design detail	Interior work	sqft	
560	Make - 3M	Interior work	sqft	
Text cut out of vinyl				

561	Providing and fixing colored Text as per approved design of 3M film over painted / glass partitions as per detail and instructions of the architect. Cost to include color printing, design & installation, designing and samples , drafts for client approvals all complete as per design detail	Interior work	sqft	
562	Make - 3M			
AV & CONFERENCE ROOM WITH AUTOMATION				
563	Newline (Or Equivalent) 55" FHD Interactive Panel , Built in 2 Cameras (1080p) , 4 Array Microphone 20 W Built in Speaker. (Small Conference room / Director General Cabin)	audio/vedio work	nos	
564	4K OPS (Core i5 7 Gen , 8 GB Ram , 12 GB SSD Windows 10 Professional	audio/vedio work	nos	
565	Samsung or Equivalent 49" 4 K Display Panel	audio/vedio work	nos	
566	HDMI TX over IP with POE	audio/vedio work	nos	
567	HDMI RX over IP with POE	audio/vedio work	nos	
568	4k HDMI Cable	audio/vedio work	nos	
569	Crestron® 3 Series is an enterprise-class control system for residential, commercial, and government applications. Featuring the 3-Series® control engine, the 3-series forms the core of any modern networked home or commercial building, managing and integrating all the disparate technologies throughout your facility to make life easier, greener, more productive, and more enjoyable.	audio/vedio work	nos	
570	Crestron Din 8SW8	audio/vedio work	nos	
571	Lutron Wall Mount Keypad 10 Button HQWISNB	audio/vedio work	nos	
572	IR Probe (Lutron)	audio/vedio work	nos	

573	lind-mount backcan for quick and easy install Combined 70V/100V and low impedance direct operation • 20 Watts at 8Ω nominal setting • 15W multi-tap at 70V/100V 68 Hz – 17 kHz bandwidth with wide 130° coverage White or black (-BK) JBL Control 12 CT or Equivalent	audio/vedio work	nos	
574	Four-channel, 300W @ 4Ω Analog Power Amplifier, 70V/100V ,Bluetooth and USB JBL VMA 1120 or Equivalent	audio/vedio work	nos	
575	"Universal stereo input adaptor, converts any output to line level. Also converts 100v to low impedance and provides isolation which avoids ground loops" BUZZSTOP MKIII or Equivalent	audio/vedio work	nos	
576	100" Motorised Projector Screen	audio/vedio work	nos	
577	Epson or Equivalent 3000 + Lumens Projector with Mount	audio/vedio work	nos	
578	BVSA	audio/vedio work		
FLOORING				

579	Providing and laying in position 15mm - 18mm thick Engineered wooden flooring at desired locations as per the patterns/ designs of the consultants of Pergo, Tarkett, Eurofloor, Quickstep, Armstrong, Beautex, Egger. The samples shall be approved by the consultants prior to laying. The engineered wooden floor shall have inner core of hardwood and softwood veneer. The top layer wood veneer shall be treated using 6 coats of UV hardened laquer 3.5mm thick / natural oil. The wooden floor shall be laid over a company made underlay felt and underlay foam leveller. The sides of the engineered wooden flooring shall be firmly secured against uplift with the use of company made skirting and edge profiles. The profile sections shall be approved by the engineer-in-charge prior to use. in complete.	Interior work	sqft	
580	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement.	Interior work	sqft	
581	40 mm thick	Interior work	sqft	
582	Supply & Installation of heavy gauge high class tufted Carpet with foam backing of aapproved quality, brand,shade and patterns, all complete as per direction of Engineer-in-charge	Interior work	sqft	

583	PLAIN CEMENT CONCRETE Providing and laying in position cement concrete of specified grade on all floors including the cost of centering and shuttering item includes preparing & cleaning of surface and carriage of material to all floors as per instruction of bank engineer/Architect	Interior work	sqft	
584	1:3:6 (1cement : 3coarse sand : 6graded stone aggregate 20mm nominal size	Interior work	sqft	
585	Cinder concrete (1cement : 10 cinder of 12mm size and down grade) for toilet sunken slabs.	Interior work	sqft	
586	Providing and laying Ceramic Anti Skid floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make(Kajaria, Johnson, Somany, NITCO / RAK), in all colours, shades, laid on 20 mm thick or more Cement Mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc.	Interior work	sqft	
587	Providing and fixing 300x600 ceramic tiles dado on walls in two or more colours as per design (Kajaria eternity series or Johnson Rivestimenti) in toilets and kitchen. The tiles to be fixed with white cement including base plaster. The joints in the tile to be filled with white cement mixed in colour pigment to match the colour of tiles	Interior work	sqft	

588	Providing & fixing as per design 16-18mm thick pre polished Granite Flooring in corridor in design (base price Rs.170-180/ S.Ft.) in two or more colours including borders as per detail drawings complete. The stone to be fixed with cement mortar 1:3 (1 cement:3 coarse sand) as per design. The item also includes polishing the Floor after finshing work to give granite polish finish Complete to the satisfaction of Bank / Architects	Interior work	sqft	
589	Providing & fixing Matt finished 304 grade 16 Gauge Stainless steel Railing & Handrail as per detail drawings, with Balustrate & Hand rail size 40mm dia. or rectangular size & intermediate pipes of 3 Nos. with 25mm dia between posts placed at every 900 mm fixed to ground with proper fastner to staircase railing,complete with S.S caps etc. Item includes dismantelling & removing existing Railing by cutting and repairing of all civil works to the satisfaction of Bank's Engg/ Architect.	Interior work	sqft	
590	Providing and laying machine cut mirror polished imported Itallion marble stone in two or more colours as per design on walls) fixed over plaster base 12 MM thick in cement mortar 1:3 (1 cement & 3 coarse sand) and joined with white cement slurry @3.3 kg/sqm including pointing with admixed with pigment to match with colour of stone including rubbing,, curing and polishing etc. same as above for Granite wall cladding. Bottochino,Perlato, Rosso verona, Fire Red or Dark Emperadore etc . Item includes making of V/ Square grooves between joints as per design.	Interior work	sqft	

591	Providing and fixing 12 MM Acrylic finish Corian sheet in two or more colours on base of 12 MM BWR ply over a frame of Mirandi wood 50 x 50 MM thick fixed to wall with proper screws and fixing material as per design/ detail drawings in curve shape (Design work on wall)and instruction of Architect/ Bank Engg.	Interior work		
FITTINGS				
592	FITTINGS 9.01 Providing and fixing European type single piece with soft closing lid WC (Make: CERA , JHONSON , PARYWARE) WC for GM toilets , with C.P brass hinges and rubber buffers, Item includes cistern & glossy chrome push plate with All fittings & C.I. / M.S. brackets, 40 mm flush bend, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.	Interior work	nos	
593	Providing and fixing European type 2 piece with soft closing lid WC (Make:KOHLER Odean series , Jaquar or equivalent) WC for toilets , with C.P brass hinges and rubber buffers, with cistern with glossy chrome push plate with All fittings & C.I. / M.S. brackets, 40 mm flush bend, including painting of fittings and brackets, cutting and making good the walls and floors wherever required	Interior work	nos	
594	Providing and fixing iNDIAN WC (Make: Paryware WC Orissa Pan) , with C.P brass hinges and rubber buffers, with 10 ltr capacity PVC cistern with glossy chrome push plate with fittings & C.I. / M.S. brackets, 40 mm flush bend, including painting of fittings and brackets, cutting a	Interior work	nos	

595	Providing and Fixing Counter top Wash basin for toilet with basin of Perryware /Cera make 600x 460 MM . Complete with fixing on wooden storage (to be paid seperately) & with Bottel trap and all waste couplings etc as per the satisfaction of Architect/ Engineer In Charge	Interior work	nos	
596	Providing and fixing vitreous china FLAT BACK URINAL(Cera/Jhonson/Parryware New Magnum Series C 0575), standard size CP brass PIPE, and clamps (All in CP brass) with bottel trap & waste fitting, including painting of fittings and, cutting and making good the walls and floors wherever required.	Interior work	nos	
597	Providing and fixing URINAL Sensor, Electronic Flushing system (Cera/Jhonson/Parryware C 8132). Complete with all concealed wiring and connection	Interior work	nos	
598	Providing and fixing stainless Steel kitchen Sink with drain board (JAYNA Niralli, Neelkanth or equivalent size 1040 X 510MM Glossy as per I.S. 13983 with C.I. brackets, waste jali, bottle trap etc. including painting of fittings and brackets, cutting and making good the walls and floors wherever required..	Interior work	sqft	

599	FIRE DOORS - providing and fixing with all frame, panic bar, and accessories as below. Providing and fixing of Hollow metal fire rated doors as per IS 3614 . Pressed Galvanized steel with the following specification. ReBW Rended fire door should have been tested earlier of similar design at CBRI for maximum rating of 2hrs. Individual Test certificates should also be provided. Doors should be finished in Thermosetting Powder Coating desired RAL Shades. Approved manufacturer Navair/ Shati Hormann or equivalent subject to architect's approval. And should be ISO Certified company. Door frame shall be double rebate profile of minim	Interior work	nos	
600	Intracrive Display Size 55 inches Diagonal Size 1m 63cm (55") Resolution 3,840 x 2,160 Pixel Pixel Pitch (HxV) 0.372 x 0.372 (mm) Brightness (Typ) 350 nit Contrast Ratio 4,000:1 SAMSUNG LH55OBBEBGCLXL	Interior work	nos	

601	<p>Block distracting sounds and voices with Polycom NoiseBlock and Acoustic Fence technology.</p> <p>Its simple in use plug-and-play USB connectivity.</p> <p>Automatic group framing and speaker tracking.</p> <p>Enjoy compatibility with nearly every video platform, including Microsoft Teams, Skype for Business, Zoom, GoToMeeting, and more</p> <p>Managing and deploying easier at scale with remote management over Wi-Fi Polycom Studio</p>	Interior work	nos	
602	<p>Supply, Installation, Testing and Commissioning of Outdoor LED Video Wall of approx. 3.84 m x 2.88 m or 12.6 ft x 9.45 ft (Diagonally 189 inches), Should have 4.44 mm Pixel Pitch or better, Cabinet size should be 960 x 960 or better, Resolutuion of cabinet should be 216 x 216 or better. Max. Brightness 5000-6000 Nits (cd/m2) or better, Refresh Rate \geq3840 Hz or better, Grayscale: 16 bit or better. Should have SMD type LED or better and IP65/IP54 ingress protection.</p> <p>Approved Make: Absen</p>	Interior work	nos	
603	<p>Supply, Installation, Testing, and Commissioning of Die Cast Aluminum type cabinet and structure for the above video wall as per the site requirement and Should be supplied with a videowall processor for the above video wall.</p>	Interior work	sqft	

604	Designing, providing & fixing theme & conception based Architectural Feature work made up of GRC 25 mm (composite Mixture of white cement, alkali resistant fiber, silica sand, water with admixtures, pigmented cured with acrylic thermal plastic) arch /artistic pillars / window sill / keystone / cornice band / pediment / curved atrium ceiling of museum building etc. Any pattern as per conception design including preparing the moulds for casting , making the grc composite material , applying the material in moulds , demoulding the cured GRC elements from moulds,grinding and finishing the demoulded GRC elements, fixing at site using ss screws, anchors viz a viz, finishing the groves , and joints with GRC mixture.	Interior work	sqft	
	Suspended Spider Glazing			

605	Design supply & installation of suspended Spider,Glazing system designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/ beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings.The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof.	Interior work	sqft	
606	SS RAILING	Interior work	rmt	
607	S-S RAILING 304/202 Grade(with toughned glass)	Interior work	emt	
	AV WORK			
608	SITC of 65" 4K UHD display having 350 nits brightness, Contrast Ratio 4000:1, Orientation : Landscape / Portrait, Connectivity: HDMI 2.0 x3, USB 2.0 x 2 , Built in Wifi, Built in speaker 10W 2ch, Operation hour: 16/7.Sony	audio/vedio work	nos	

609	SITC of 20x Optical Zoom PTZ camera having Full HD@60fps resolution for crystal clear clarity, 2.07 MP, 16:9, 1/2.8 inch high quality HD CMOS sensor simultaneous output from both USB 2.0, 3.0, and HDMI ports.ATDSC	audio/vedio work	nos	
610	SITC of USB based microphone omnidirectional microphone, built in 4 microphone array structure,360 degree omnidirectional pickup, deep echo cancellation.ATDSC	audio/vedio work	nos	
611	SITC of Cable manager having 2x power, HDMI, USB Connectivity.	audio/vedio work	nos	
612	SITC of 4x2 Matrix switcher with 4K60 4:4:4 / HDR 18G, ARC, audio de-embedding, Down Scaling, IR, TCP/IP, & RS232 Control LibertyAV	audio/vedio work	nos	
613	SITC of Web conferencing PC for Soft VC i5 or better with wireless keyboard & mouse.Dell/HP/Lenovo	audio/vedio work	nos	
614	SITC of Cables & connectors.	audio/vedio work	nos	
615	98 inch Interactive Display Model No 98TR3PJ/LG MAKE	audio/vedio work	nos	
616	55 inch Display Model No 55UR640SLG MAKE	audio/vedio work	nos	
617	43 inch Display Model No 43UR640S LG MAKE	audio/vedio work	nos	
618	Providing and fixing stand for display of size 150 x 68.5 x 16.5 cmLG MAKE	audio/vedio work		
619	PROFILE LIGHTS			
620	Installation, Testing and Commissioning of Linear LED Strip-lights 15W for its installing in False-ceiling Coves together with requisite driver etc. complete as required. CROMPTON make or equivalent GE/ Philips / Wipro / Havells make	Interior work	rmt	
AC WORK				
621	1.8 TR 3 Star Inv Hot and Cold AC	Interior work	nos	

622	1.5 TR 3 Star Inv Hot and Cold	Interior work	nos	
623	Installation Charges for Hi Wall Split AC's	Interior work	rmt	
624	Supply and fixing of following sizes of refrigerant pipe made out of hard drawn copper including accessories, jointing/brazing etc.	Interior work	rmt	
625	Providing and fixing Suitable sizes of rigid/flexible PVC pipe with all required accessories and suitable clamps etc for drain pipe	Interior work	rmt	
626	Providing and fixing wall mounted Out Door Unit stand for air conditioning and with all accessories etc.	Interior work	rmt	
627	Supply and laying following sizes of FRLS PVC insulated flexible copper conductor cable for Control / Communication i/c providing and laying of 20 mm ISI marked medium class pvc conduit on surface. 4C X 2.5 Sqmm	Interior work	rmt	
628	Chiselling of walls and replastering for running of copper,PVC pipes with necessary clamps	Interior work	rmt	
AUDITORIUM INTERIOR WORK				
STAGE AND AUDIENCE FLOORING				

629	Engineered Wood Wooden Flooring:- Providing and fixing 13 to 15mm thick Engineer wooden flooring of approved pattern make and shade as given by the Engineer-in- charge and as per manufacture"s specification confirming to European Standard BS EN 14904. Top layer of plank shall be made of minimum 3mm natural Veneer of any shade, finish, pattern and texture. Surface of Top layer shall be pre finished with several layer of UV hardened Acrylic lacquer, which shall be free from urea Formaldehyde and solvents. Flooring plank shall be interlocked using in a glue less floating manner. Engineered wood planks shall be a composition of 3 layer of Pine wood with direction of each layer oriented at right angle to the adjacent layer of natural strain in lacquer and non bevelled/ bevelled in length and width as specified. Wooden flooring shall be FSC (forest stewardship council) & green guard certified	auditorium work	sqft	
	AUDITORIUM WALL PANELLING	auditorium work	sqft	

630	Accoustical Wooden Panelling:- Providing and Fixing of Akous wood grooved panel having system NRC up to 0.88 with lineal perforation. The high grade HDDMR panels shall be melamine laminate of size 2440mm x128mm x 18mm with 2mm groove at 14mm pitch, Tongue and Groove edges for seamless mounting having density of 800kg/m3(base panel confirming to IS 12406 and laminated panel confirming to IS 14587). The back of the panels are perforated with a nonwoven fabric covering of 0.2mm for providing Sound absorption via the acoustic impedance method. Panel is fixed by using GI Framework 2400mmx50mmx0.50mm spaced at 600mmx600 c/c & 12 mm WPC framework spaced at 400mm centers with suitable brackets and the system is backline with 50 mm Rockwool insulation@48kg density and along with all accessories example: chicken mesh and all.	auditorium work	sqft	
AUDITORIUM ACCOUSTICAL FALSE CELING TILES				

631	<p>Providing & Fixing of Fiber Acoustical Suspended Ceiling System Glass Fiber Micro look/Square EDGE TILES WITH 15mm black silhouette Exposed Groove Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.90, Colour Black & white, Light Reflectance >84% with Fire Resistance in module size of 595x595x 15 mm. The grid should be of 15mm grid sections i.e. the Main Runner 3000mm in 38 mm web height, 1200 mm & 600 mm Cross Tees in web height of 26mm with thickness 0.3mm. Installtion to be comprise main runner spaced at 1200mm centre securely fixed to the structural soffit using suspension system at 1200mm maximum centre. The First/Last suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. 600 x 600mm module to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be wall angles of size 3000x19x19mm, secured to walls at 450 mm maximum centres and as per the drawing and the work complete in all respects to the satisfaction of Engineer in-charge. accessories consisting of HLC Sleeve Anchor Fasteners of thread size 6.5mm x</p>	auditorium work		
AUDIO VIDEO WORK:-				

632	Supply, Installation, Testing and Commissioning of Interactive display panel which shall have Screen Size of 98 inches. It shall have response time of <4ms or better. It shall have an aspect ratio of 16:9. It shall have native resolution of 3840X2160 or more. It shall have brightness of 540cd/m2 or more. It shall be 20 Points touch or more. It shall get operated by Pen or Finger. It shall have HDMI x3, USB3.0, USB2.0 Interface, RJ-45 Interface. It shall have inbuilt Wi-fi, Hotspot and Bluetooth. It shall have Audio Out. It shall be 15Wx2 speakers or more. It must have inbuilt Android 12 upgradable to Android 14.0 or better. It must have 8GB and 128GB storage or better. It shall have a typical Power consumption of 500 Watts or less. It shall have features of Spotlight, Curtain, Google Search over Whiteboard.Approved Make : Samsung / LG /Akai/	auditorium work	nos	
633	Supply, Installation, Testing & Commissioning of Free Standing/Floor Mounted Digital Podium built of 1.6mm CRCA Steel sheet, screw less chasis, polymer powder coated, Wooden Top, All directional wheels with lock, Display feature- Highly Sensitive, Built- in interactive Capacitive touch Monitor with Tilt facility, Screen size- 22"(interactive type), Color LED, scratch resistant, antiglare & overlay tampered vandal resistant glass(3mm) , Space & technical provision for additional devices like laptop, Visualizer, keyboard, mouse etc.	auditorium work	nos	

634	Supply, Installation, testing and commissioning of 2-way Wall Mount Speakers which shall have 5.25" LF Driver and 1"HF Driver. It shall have frequency response of 60 Hz to 20,000. It shall have 4 Ohm impedance as well as 70V,100V tapping. The speaker shall have a maximum SPL of 104dB. The Speaker shall have 60 Watts or more Dynamic Power (Lo Impedance). It shall have a Transformer tapping of 30,15,7.5 Watts &4/8 ohm or more.	auditorium work	nos	
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635	Supply, Installation, testing and commissioning of amplifier which shall be 500 Watts or more Mixing Amplifier. It shall have Microphone frequency response of 80Hz- 17000Hz or better. It shall have a Line Frequency Response of 80 Hz-18000 Hz or better. It shall have minimum impedance load bridged of 4 ohms per channel. It shall have 4 or more balanced microphone inputs. It shall have up to 48V phantom power individually for four microphone inputs with On/Off. It shall have 2 or more line inputs. It shall have 1 Line output or better. It shall have input sensitivity of $\pm 5 \text{ mV} / 600\Omega$ for balanced Microphone inputs. It shall have input sensitivity of 350mV/10k Ω for unbalanced Aux input. It shall have an output sensitivity of 1000mV/470 Ω for record output. It shall have 100V line as well as 4 to 16 ohm impedance output. It shall have THD of >0.1% at 1 KHz, 1/3 rated Power or better. It shall have Microphone input overload of fifteen db or greater. The microphone inputs shall override over other audio inputs by 30 dB attenuation via switch. It shall have a gain control of $\pm 2.5\text{mV}$ to $\pm 75\text{mV}@ 30\text{dB}$. It shall have a cross talk of $\geq 50 \text{ dB}$ or better. It shall have high temperature, overload and short circuit protection. It shall get operated from AC as well as DC.Approved Make : Bose / Powersoft / AdonisAV.	auditorium work	nos	
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636	Supply, Installation Testing and Commissioning of Wireless Handheld Microphone which shall have Frequency Modulation. It shall have a S/N ratio of ≥ 110 dBA or better. It shall be able to use 40 or more Frequency Channels simultaneously. It shall have THD of $\leq 0.5\%$ or better. It shall have frequency response of 40 to 18,000 Hz (-3 dB) or better. It shall have Squelch Control. It shall have Balanced XLR Audio output and Unbalanced Audio Output. It shall have Operating Time of 8 Hours or more. It shall have Cardioid Polar Pattern. It shall be supplied as 1 receiver, 2 Handheld transmitter, 1 power adaptor, 1 AA batteries, and 2 receiver antennas complete in all respect.Approved Make : Audiotechnica / AdonisAV / Shure	auditorium work	nos	
637	Supply, Installation, Testing and Commissioning of Wireless lapel Microphone which shall have Frequency Modulation. It shall have a S/N ratio of ≥ 110 dBA or better. It shall be able to use 40 or more Frequency Channels simultaneously. It shall have THD of $\leq 0.5\%$ or better. It shall have frequency response of 40 to 18,000 Hz (-3 dB) or better. It shall have Squelch Control. It shall have Balanced XLR Audio output and Unbalanced Audio Output. It shall have Operating Time of 8 Hours or more. It shall have maximum receiving distance of 50MTR or more. It shall be supplied as 1 receiver, 2 bodypack transmitter, 2 clip on Microphone, 1 power adaptor, 1 AA batteries, and 2 receiver antennas complete in all respect.Approved Make : Audiotechnica / AdonisAV / Shure	auditorium work	nos	

638	Supply, Installation, testing and commissioning of 4X4 Digital Signal processor with inbuilt AEC. Mic/Line Inputs-4 Channels,Line Outputs-4 Channels,Input Interface-Balanced 3-Pin Phoenix Mic/Line Interface,Output Interface-Balanced 3-Pin Phoenix Line Interface,Control Interface- RS-232, RS-485, RJ-45(10/100 Base-T Ethernet Connector for IP-Based PC Software, Host Control & Third-Party Controller). UC Interface-1x USB Type-A Audio Interface.Approved Make : QSC / AdonisAV / Xilica	auditorium work	rmt	
639	Supply and laying of 2 core 14 AWG speaker cable	auditorium work	rmt	
640	Supply and laying of 55' HDMI Active Optical Cable Type A to Type A. It shall support resolutions of up to 8k@60 Hz or better. It shall have a Power Consumption of 250mV or better. It shall have a dynamic bend radius of 40mm or better. It shall have a static bend radius of 20mm or better. It shall support eARC & CEC. It shall be HDMI 2.1 or better. It shall support HDCP 2.2 or better. It shall have an outer diameter of 4.4mm or less. It shall be highly resistant with RF and EMI interference. It shall work without the use of External Power Supplies.Approved Make : Kramer / AdonisAV / Extron	auditorium work		
ELECTRICAL WORK:-				

641	Wiring for light point/ fan point/ exhaust fan point/ call bell poin.t with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface I recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	auditorium work	nos	
642	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	auditorium work	rmt	
643	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.	auditorium work	rmt	
644	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	auditorium work	rmt	
645	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	auditorium work	rmt	
646	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	auditorium work	nos	
647	Supplying and fixing suitable size GI box with modular plate and cover in Front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connection etc. as required.	auditorium work	nos	

648	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 8 way (4 + 24), Double door	auditorium work	nos	
649	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single Pole	auditorium work	nos	
650	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required	auditorium work	nos	
651	63A	auditorium work	nos	
652	Supply, Installation & testing & Commissioning of Path finder/Foot Lamp Light Fixtures 6-7 Watt.	auditorium work	nos	
653	Supply, Installation & testing & Commissioning of Recessed/Surface version Round 12W LED fixture with DALI dimmable driver output 1000-1350 lumens , having color temperature 5300- 5500K, color - white, suitable for 220-240V, 50 Hz AC supply complete with earth connection & connector etc.	auditorium work	nos	
654	Supply, Installation,Testing & Commissioning of Dimmable Lighting system control panel with suitable dali controller, power supply & key pad/touch screen to increase & decrease the intensity of light for Auditorium Hall.	auditorium work	nos	

655	Power Points Provision for Auditorium sittings:-	auditorium work	nos	
656	A) 12 Way SPN DB	auditorium work	nos	
657	B) 40A DP MCB	auditorium work	nos	
658	C) 6-10A MCB	auditorium work	nos	
659	D) Submmain DB (2x10+1x6sqmm Cu wire with conduit)	auditorium work	nos	
660	E) Circuit Wiring (2x2.5+1x2.5sqmm Cu wire with conduit)	auditorium work	nos	
661	F) 5 Amp Switch Socket Outlet	auditorium work	nos	
662	G) Raceway Chennal Behind Seats	auditorium work	nos	
	LIVE STREAMING WORK			
663	ITC of PTZ camera shall have 1/2.8 HD CMOS sensor or better. It shall have an option of Auto or Manual White Balance. It shall have S/N Ratio of >55db. It shall have 20x optical zoom or	auditorium work	nos	

664	<p>better. It shall have 12X digital zoom or better. It shall have USB 3.0 port for unified communication applications, HDMI/DVI Port for Hardware Equipments & IP interface for monitoring. It shall have RJ-45 network interface for Monitoring applications. It shall support TCP/IP, HTTP Port & RTSP Port shall be configurable. Support configurable site addressing while streaming with Time stamp. It shall support Dual H.264 and H.265 Streams with Option of Full HD, HD and SD resolution. It shall support Video format on USB as well as HDMI of 1080p 60/50 fps, 1080i60/50,1080p30/25,720p 60/50/30/25 fps. Shall have atleast 4 Infra Red Identities. At least one preset shall get recalled whenever camera is powered on. The same shall be removed or saved multiple times. It shall support 60 fps on both USB 3.0 as well as HDMi interface or better. It shall have an RS 232C port as well as RS-422/485 Port for Communication. RJ-45 Control port with TCP/IP Controlling. It shall have at least 200 Position Presets through keyboard or third party controller and at least 9 position presets through IR remote or better. It shall have 68° or better field of view. It shall have a Pan Rotation Angle of -170degrees to +170 degrees or better. It shall have a Tilt Rotation Angle of -30 degrees to + 90 degrees or better. It shall be supplied with IR remote control, Control Cable, Mounting bracket</p>	auditorium work	nos	
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665	<p>STC of The camera shall have 1/2.7 HD CMOS sensor or better. It shall have an option of Auto or Manual White Balance. It shall have S/N Ratio of >55db. It shall have 12x optical zoom or better. It shall have 12x digital zoom or better. It shall have USB 3.0 port for unified communication applications, HDMI/DVI Port for Hardware Equipments & IP interface for monitoring. It shall have RJ-45 network interface for Monitoring applications. It shall support TCP/IP, HTTP Port & RTSP Port shall be configurable. Support configurable site addressing while streaming with Time stamp. It shall support Dual H.264 and H.265 Streams with Option of Full HD, HD and SD resolution. It shall support Video format on USB as well as HDMI of 1080p 60/50 fps, 1080i60/50,1080p30/25,720p 60/50/30/25 fps. Shall have atleast 4 Infra Red Identities. At least one preset shall get recalled whenever camera is powered on. The same shall be removed or saved multiple times. It shall support 60 fps on both USB 3.0 as well as HDMI interface or better. It shall have an RS 232C port as well as RS-422/485 Port for Communication. RJ-45 Control port with TCP/IP Controlling. It shall have at least 200 Position Presets through keyboard or third party controller and at least 9 position presets through IR remote or better. It shall have 83° or better field of view. It shall have a Pan</p>	auditorium work	nos	
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666	SITC of Video Mixing Unit with UC application which shall have 4 HDMI Inputs. It shall have 2 HDMI Output. It shall have USB typeC or 3.0 interface for UC applications. It shall support resolutions of 1080p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98, 1080i 50/ 59.94/ 60, 720p 60/ 59.94/ 50/ 30/ 29.97/ 25/ 24/ 23.98, 576i 50, 576p 50, 480p 59.94/ 60, 480i 59.94/ 60 on	auditorium work	nos	
667	HDMI Input. It shall support resolutions of 1080p 60/ 59.94/ 50/ 48/ 47.95/ 30/ 29.97/ 25/ 24/ 23.98; 1080i 60/ 59.94/ 50 on HDMI output 1 and 1080p 60/ 59.94/ 50/ 48/ 30/ 29.97/ 25/ 24/ 23.98; 1080i 60/50 on HDMI output 2. It shall support resolutions of up to 1080p on UC interface. It shall have RS-232 or RJ-45 control interface. It shall have control operation through buttons, RJ-45 or USB. It shall support data rate up to 10.2 GBps over HDMI or better. It shall support following Image format: png, bmp, jpg, gif, jpeg, ppm, pbm, tif, jps, tga. It shall support following Logo format: png, bmp, jpg, gif, jpeg, ppm, pbm, tif, jps, tga. It shall support following Logo size: 10×10 pixel to 600×600 pixel. Audio Mixing: HDMI ×4 and MIC/ Line level ×2, PIP, POP. It shall support 9x2 or more patterns including, mute,freeze. It shall be supplied with Power Adaptor and USB cable.CE, RoHs, FCC, ISO 9001:2015 (Quality Management), ISO 14001:2015 (Environment Management, ISO 27001:2022 (Information Security Management), ISO 50001:2018 (Energy Management).Approved Make:Sony/AdonisAV/Panasonic	auditorium work	nos	

668	SITC of 72' HDMI Active Optical Cable Type A to Type A. It shall support resolutions of up to 8k@60 Hz or better. It shall have a Power Consumption of 250mV or better. It shall have a dynamic bend radius of 40mm or better. It shall have a static bend radius of 20mm or better. It shall support eARC & CEC. It shall be HDMI 2.1 or better. It shall support HDCP 2.2 or better. It shall have an outer diameter of 4.4mm or less. It shall be highly resistant with RF and EMI interference. It shall work without the use of External Power Supplies.CE, RoHs, FCC, ISO 9001:2015 (Quality Management), ISO 14001:2015 (Environment Management, ISO 27001:2022 (Information Security Management), ISO 50001:2018 (Energy Management).Approved Make:Extron/AdonisAV/Crestron	auditorium work	nos	
669	SITC of Processor: Core i7 Processor / 8-core processor Operating system: Windows or IOS Network connectivity: RJ45 & Wifi	auditorium work	nos	
670	Connectivity: USB, HDMI/DP, Audio In/Out Memory: 16GB	auditorium work	nos	
671	Storage: 512 GB SSD Configurable to 1TB Resolution: Support 4K UHD Graphics: AMD Radeon PRO / NVIDIA Video Editing Software: Supplied with licenses software for Video editing & Broadcasting (Adobe Premier Pro or Avid) Monitor: 2 Nos of 24" 4k UHD LED Back light monitor with HDMI / DP Input Monitor Mounting : Dual Monitor Arm Mount Desk Stand with viewing adjustment. Wireless Keyboard & Mouse : Wireless Keyboard & Mouse to be supplied.	auditorium work	sqft	

672	<p>Providing & casting in-situ reinforced cement concrete 150 mm thick (6 inches)for wall/columns/ as per details/ drawings/ design(The rate to include cost of re-baring/Hilti/drilling and joining with existing beam or lintel including shuttering, steel , concrete, inserts, cutout for ventilator, hacking, curing, bonding chemical / slurry all complete, design)</p> <p>Grade of concrete to be considered shall be M20 (1:1.5:3) & steel rod to be considered as 10 mm dia steel @150 mm (6 inch) c/c both way in two layers both directions. The thickness of walls to be 150 mm without plaster. 300mm x300mm RCC column to be provided near the strong room door for mounting strong room door. Reinforcement rods should be 10MM.</p>	Interior work	sqft	
673	Plastering 12mm thick both side plaster.Conveyance of all materials to site, tools and plants, labour charges, leads, lifts, scaffolding, curing. (Wall size 12' length x 11' height x 0.5' Thickness) + (column of 1' Length x 11' height x 2 nos)	Interior work	sqft	
674	RCC Floor Slab 75mm(3") with single layer of steel comprising 10mm dia @150mm c/c where premises is located on Ground Floor without Basement	Interior work	sqft	
675	<p>Providing & fixing new Vitrified tiling on floor 600mm x600mm size glossy finish</p> <p>Providing & fixing 100mm high tile Skirting from inside & outside of the strong room with approved make of vitrified tiles.</p> <p>Make - Kajaria / Nitco / HR Johnson / Somani</p>	Interior work	sqft	
676	Base Putty on Wall for smooth finish	Interior work	Nos	

677	Life Jacket (Polyurethane foam)	Disaster Management	Nos	
678	Torch (Solar Enabled)	Disaster Management	Nos	
679	Safety Glover (Leatherite)	Disaster Management	Nos	
680	First Aid Kit	Disaster Management	Nos	
681	Gas Lighter	Disaster Management	Nos	
682	Whistle (Plastic)	Disaster Management	Nos	
683	Water Bottle (ss/plastic)	Disaster Management	Nos	
684	Mat Foam 6ft*3ft (10mm Thick)	Disaster Management	Nos	
685	Torch (Mannual/Battery Enabled)	Disaster Management	Nos	
686	T-shirt with logo	Disaster Management	Nos	
687	Track suit (Woolan)	Disaster Management	Nos	
688	Rain Coat	Disaster Management	Nos	
689	Gum Boot	Disaster Management	Nos	
690	Safety Google	Disaster Management	Nos	
691	Safety Helmet	Disaster Management	Nos	
692	Static Multipurpose Rope pr meter (Nylon)	Disaster Management	Nos	
693	Static Multipurpose Rope pr meter (Polyurethane)	Disaster Management	Nos	
694	Metal Leg	Desking/Table	Nos	
695	KEYBOARD TRAY (metal)	Desking/Table	Nos	
696	AS CT 90 (90) conecting top	Desking/Table	Nos	
697	AS CT 90 (90) conecting top	Desking/Table	Nos	
698	AS SR 120 side table	Desking/Table	Nos	
699	AS SR 90 semi round connector	Desking/Table	Nos	
700	AS M 21 pedestal	Desking/Table	Nos	
701	AS CF 180 (1800X1200X750) mini conference table	Desking/Table	Nos	
702	AS 908 medium size cabinate	Desking/Table	Nos	
703	AS 8005-GL cabinate	Desking/Table	Nos	
704	AS CF 240 conference table	Desking/Table	Nos	
705	AS CT 60 Half Round Table with ml	Desking/Table	Nos	
706	AS CT 60 (SM) CT	Desking/Table	Nos	
707	AS CT 90 connector	Desking/Table	Nos	

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Date:

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Place:

Name of the Bidder

Sign. of the Bidder with Seal

[illegible]