

SCHEDULE

S. No.	Section or Rules under which competency is recognized	Qualification required	Experience for the purpose	Facilities at his command
1	Rules made under Section 6 and Section 112 – Certificate of stability for buildings	Degree in Civil or Structural Engineering; or equivalent	i) A minimum of 10 years experience in the design of construction or testing or repairs of structures; ii) Knowledge of non-destructive testing, various codes of practices that are current and the effect of the vibrations and natural forces on the stability of the building; and iii) Ability to arrive at a reliable conclusion with regard to the safety of the structure or the building.	
2	Rules made under Section 21(2) – “Dangerous Machines”	Degree in Electrical or Mechanical or Textile Engineering or equivalent.	(i) a minimum of 7 years experience in- a) design or operation or maintenance; orb) testing, examination and inspection of relevant machinery, their guards, safety devices and appliances.(ii) he shall –a) be conversant with safety devices and their proper functioning ;b) be able to identify defects and any other cause loading to failure; and) have ability to arrive at a reliable conclusion with regard to the proper functioning of safety device and appliance and machine guard.	Guages for measurement; instruments for measurement of speed and any other equipment or device to determine the safety in the use of the dangerous machines.
3	Section 28 – Lifts and Hoists	A degree in Electrical and /or Mechanical Engineering or the equivalent	(i) A minimum experience of 7 years in- (a) design or erection or maintenance; or(b) inspection and test procedures of lifts and hoists;(ii) He shall be –(a) Conversant with relevant codes of practices and test procedures that are current;(b) Conversant with other statutory requirements conversing the safety of the Hoists and Lifts;(c) able to identify defects and arrive at a reliable conclusion with regard to the safety of Hoists and Lifts.	Facilities for load testing, tensile testing, guages equipment/ gadgets for measurement and any other equipment required for determining the safe working conditions of Hoists and Lifts.
4	Section 29 – Lifting Machinery and Lifting Tackles	Degree in Mechanical or Electrical or Metallurgical Engineering or its equivalent	(i) A minimum experience of 7 years in- (a) design or erection or maintenance; or(b) testing, examination and inspection, of lifting machinery, chains, ropes and lifting tackles.(ii) He shall be –(a) Conversant with the relevant codes of practices and test procedures that are current;(b) Conversant with fracture mechanics and metallurgy of the material of construction;(c) Conversant with heat treatment/ stress relieving	Facilities for load testing, tensile testing, heat treatment, equipment/gadget for measurement, gauges and such other equipment to determine the safe working conditions of the lifting machinery tackle.

			techniques as applicable to stress bearing components and parts of lifting machinery and lifting tackles;(d) capable of identifying defects and arriving at a reliable conclusion with regard to the safety of lifting machinery, chains, ropes, and lifting tackles.	
5	Section 31 –‘Pressure Plant	Degree in Chemical or Electrical or Metallurgical or Mechanical Engineering or its equivalent.	(i) A minimum experience of 10 years in(a) design or erection or maintenance, or(b) testing, examination and inspection of pressure plants.(ii) He shall be –(a) Conversant with the relevant codes of practices and test procedures relating to pressure vessels;(b) Conversant with statutory requirements concerning the safety of unfired pressure vessels and equipment operating under pressure;(c) Conversant with non-destructive testing techniques as are applicable to pressure vessels;(d) able to identify defects and arrive at a reliable conclusion with regard to the safety of pressure plants.	Facilities for carrying out hydraulic test, non-destructive test, gauges equipment/ gadgets for measurement and any other equipment or gauges to determine the safety in use of pressure vessels.
6	(ii) Section 36 – Precautions against dangerous fumes(ii) Rules made under Sections 41 112 concerning ship-building and ship repairs,(ii) Handling and processing of asbestos,(ii) Manufacture of Rayon by viscose process,(v) Foundry operations.	Masters degree in Chemistry, or a degree in Chemical Engineering.	(i) a minimum of 7 years in collection and analysis of environmental samples and calibration of monitoring equipment;(ii) He shall –(a) be conversant with the hazardous properties of chemicals and their permissible limit values;(b) be conversant with the current techniques of sampling and analysis of the environmental contaminants; and (c) be able to arrive at a reliable conclusion as regards the safety in respect of entering and carrying out hot work.	Meters, instruments and devices duly calibrated and certified for carrying out the tests and certification of safety in working in confined spaces.
7	Ventilation systems as required under various Schedules framed under Section 87, such as Schedules on –(ii) Grinding or glazing or metals and processes and incidental thereto,(ii) Cleaning or smoothing, roughening, etc. of articles, by a jet sand, metal shot, or grit, or other abrasive propelled by a blast of compressed air of steam.	Degree in Mechanical or Electrical Engineering or equivalent.	(i) A minimum of 7 years in the design, fabrication, installation, testing of ventilation system and systems used for extraction and collection of dusts, fumes and vapours and other ancillary equipment (ii) He shall be conversant with relevant codes of practice and tests procedures that are current in respect of ventilation and a traction system for fumes, and shall be able to arrive at a reliable conclusion with regard to effectiveness of the system.	Facilities for testing the ventilation system, instruments and gauges for testing the effectiveness of the extraction systems for dusts, vapours and fumes, and any other equipment needed for determining the efficiency and adequacy of these systems. He shall have the assistance of a suitable qualified technical person who can come to a reasonable conclusion as to the adequacy of the system.

