



## Trout, Carp & Mahseer Fish Farms in Himachal Pradesh



**F**ish farms are the foundation stones of Fisheries development in Inland Fisheries Sector. The seed produced at these seed production centers is either used for replenishing the harvested fish stock of open waters i.e. rivers or reservoirs or is further reared under semi-controlled conditions in growing ponds and sold for table purposes. Our state is one of the state amongst a few in the Union of India which has been gifted by the mother nature with the rivers emanating from glaciers, which traverse through hilly terrains and finally enrich the semi-plain and plain areas of the state adjoining Punjab and Haryana. Himachal Pradesh has approximately 3000 kms of riverine length and four reservoirs namely Gobind sagar, Maharana Partap sagar, Pandoh and Chamera constructed on Satluj, Beas, and Ravi rivers respectively. The upper zones of rivers inhabit indigenous Schizothoracids, and exotic salmonids (trout) while the zones interspersing the semi-plain and plain areas are the abodes of Himalayan tiger-the mighty mahseer, Indian Major Carps and the much sought after catfishes such as Singhara (*Mystus seenghala*) Malhee (*Wallago attu*) and Soal (*Channa sp.*). Keeping in view the variegated nature of water resources the Government of Himachal Pradesh through its department of Fisheries has setup two types of fish seed farms Coldwater or Trout fish seed farms and warm water or Carp seed farms. The mandate of these farms till recently was to

produce the seed of trout and carps and stock it in rivers and reservoirs with an aim of replenishing the harvested stocks from these water bodies. With the advancement in fish farming it has been now possible to produce fish for human consumption at these farms and thus making them revenue-earning centers. There are in all 19 fish farms under the control of Himachal Pradesh Fisheries Department out of which 10 are trout farms and another 9 are carp & mahseer farms. These are as follows:

### **Trout Farms**

Sr. No.	Trout Farms	Location	Farm Operational from
1	Patlikuhal	Distt. Kullu	1990
2	Batahar	Distt. Kullu	1996
3	Hamni	Distt. Kullu	2015
4	Barot	Distt. Mandi	1959
5	Sangla	Distt. Kinnaur	1965
6	Dhamwari	Distt. Shimla	2005
7	Holi	Distt. Chamba	2002
8	Thalla (Bharmour)	Distt. Chamba	2015
9	Bhandal	Distt. Chamba	1984
10	Janjheli	Distt. Mandi	2023

### **Carp & Mahseer Farms**

S. N.	Carp Farms	Location	Farm Operational from
1	Deoli (Ghagus)	Distt. Bilaspur	1960
2	Alsu	Distt. Mandi	1960
3	Kangra	Distt. Kangra	1966
4	Sultanpur	Distt. Chamba	2002
5	Nalagarh	Distt. Solan	2011

6	Deoli (Gagret)	Distt. Una	2011
7	Badripur	Distt. Sirmour	2022
8	Machhiyal (Mahseer farm)	Distt. Mandi	2016
9	Mahseer Farm Naggar Sunni	Distt. Shimla	2024

## **Status of trout fish farms:**

The present status of trout farms in terms of fish and fish seed production, their development and future prospective is as under:

### **1) Patlikuhal: ESTD. 1990**

This farm is situated at National Highway-21 between Kullu and Manali on 2.2 hac of land. The geographical location of trout farm patlikuhal latitude 32.11987763<sup>0</sup> and longitude 77.14643054<sup>0</sup> at an altitude of 1484 meter.



#### **Availability of water:**

The water to this farm is being sourced through H.D.P. pipes from a perennial tributary of river Beas named as Sujan or Sanjoin nala. The quantum of water available is sufficient for the available raceways. The fish farm has a fish production capacity of +10 tones and the production level attained during previous years has been over and above the capacity.

#### **Infrastructure:**

The farm has following infrastructure:

##### **1. Office Building comprise**

- The office of Deputy Director Fisheries Trout Farm Patlikuhal
- Office of Senior Fisheries officer
- Office of Fisheries officer Feed

##### **2. Total no of raceways are 18 no with following specification**

- a) Raceways = 10 no (15×2×1.5m) = 300Sq mtr.
- b) Raceways= 4 no(45×3×1.5) = 570 Sq mtr
- c) Raceways= 4no(10×2×1.5) = 80 Sq mtr
- d) Nursery raceways 04 no. (15×0.5×1) = 30 Sq mtr
- e) Hence the total water area = 980 Sq Mtr
- f) De silting Tank = 02
- g) Water storage tank = app. 04 lac liter capacity

## Staff Position:

The Sanctioned staff strength as well as staff in position at Patlikuhal Office is as under:

Sr. No.	Name of post(s)	Sanctioned strength	Staff in position
1.	Deputy Director	01	00
2.	Senior fisheries Officer	01	02
3.	Fisheries Officer	03	01
4.	Sub Inspector Fisheries	02	02
5.	Superintendent-G-II	00	00
6.	Clerk	02	00
7.	Stenographer	00	00
8.	Farm Assistant	03	02
9.	Feed Mill Mechanic	01	01
10.	Field Assistant	21	06
11.	Chowkidar	02	01
12.	Driver	01	01
13.	Peon	02	02
14.	Junior Technician	01	00
15.	Junior Office Assistant (IT)	01	01
16.	Fishermen	06	01

## Trout Feed Mill

Trout Feed Mill at Trout Farm Patlikuhal caters the need of all the Trout Farms of Department and progressive trout growers of the state. Presently feed mill is producing the four types of feed for Rainbow Trout which are:

**Start Feed – I** for the Rainbow Trout early fries up to 5grms (composition comprise highest protein percentage)

**Start Feed –II** for the fingerlings (+5 to 50grms)

**Production feed** for on growing stock

**Brooder Feed** for rearing of brooders. (Composition comprise lowest protein percentage)

The mill has production capacity of 500 kg / hour. Annual feed production is around +50 MT



## Patlikuhal Hatchery:

Trout Farm Hatchery has 63 hatching trays that can hold up to 3.5 lac of fertilized eggs per cycle. In addition, the hatchery has an incubator that can hold up to 1 lac eggs, thus in total, 4.5 lacs of eggs may be incubated onsite. The hatchery included 16 start feeding tanks, each measuring 2 × 2 meters, and 4 nursery FRP tanks, each measuring 1 × 1 meter.



## Cold Water Recirculating Aquaculture System (RAS) unit

The very first COLD WATER RAS UNIT at trout farm Patlikuhal functional since July 2024. The latest intervention by the Department of Fisheries is an Establishment of Cold Water RAS unit.



With funding of Rs 80.73 lakh from PMMSY 2020–21, a state-of-the-art Cold Water Recirculating Aquaculture System (RAS) unit was recently successfully developed at Trout Farm Patlikuhal. For the benefit of the state's trout farmers, this state-of-the-art facility is built to maximize trout production while reducing environmental effect.

## 2) **Batahar Hatchery: ESTD 1996**

This hatchery is located at a distance of about 5 km from Patlikuhal. This hatchery comprises 42 trays with an average carrying capacity of 5000 fertilized eggs. It has an ova incubation capacity of 2,10,000. The hatchery having nursery 08 FRP 1×1 mtr start feeding tank & 08 no. FRP 2×2 Mtr of nursery ponds. This hatchery having three no. of brooder rearing raceways (15×2×1.5 mtr).



### Trout hatchery Batahar

1. Hatchery - 1
2. Type –I - 1
3. Type-II - 1
4. Store - 1

### 3) **Hamni: ESTD. 2015**

**Location:** Village Hamni P.O. Gahidhar  
Tehsil Bajnar Distt Kullu HP.

**Area:** 9 Bigha 11 Biswa

**Objective:** To produce the Rainbow Trout Seed and Brown Trout Seed for ranching.

**Water Availability:** From Tirthan River.

**Infrastructure:**

- **Trout raceways:** 10 no
- **Nursery raceways:** 10 no
- **Trout hatchery capacity:** 2.10 lakh
- **Angling hut**
- **Office cum quarter type-III:** 1 no
- **Type-IV:** 1 quarter



**Farm capacity and utilization:**

2.10 lakh ova capacity and three ton fish production, retail counter of fish sale and provide seed to the trout growers of Kullu and Mandi area.

**Staff position:**

- **Fisheries officer:** one post filled
- **Farm assistant:** one post filled
- **Field assistant:** two post filled
- **Fishermen:** one post filled
- **Chowkidar:** one post filled
- **Outsource sweeper:** one post filled

**Scope of expansion:** nil.

### 4) **Barot: ESTD. 1959**

This farm is situated on the left banks of Uhl and Lambadug rivers near the barrage of Shanon Hydro-electric power project at Barot in Padhar tehsil of Mandi district. The farm has following infrastructure:

**Infrastructure available:**

- **Water storage tank :** 2(14x4.5x4m)
- **Raceways (Production):** 6(15 x2 x1.5m)
- **Raceways (Production):** 1(7.5 x2 x1.6m)
- **Raceways (Breeders):** 4(30 x2 x1.6m)
- **Hatchery:** 1
- **Office-cum-residence of FO:** 1
- **Nursery Ponds:** 4(10 x1 x1m)



- **Nursery Ponds:** 4(10 x1 x1.5m)
- **Type-I residence:** 6
- **Type-III Office-cum-residence of FO:** 1
- **Aqua Shop:** 1

#### **Staff Position**

- **Fisheries Officer:** 1
- **Farm Assistant:** 1
- **Fishermen:** 1
- **Field Assistant:** 1
- **Chowkidar:** 1
- **Part-time:** 1

#### **Water availability**

The farm has water availability from the Lambadug River, with a capacity of 150 liters per second (lps), which has been successfully set up at the farm.

#### **Hatchery:**

The hatchery has 15 incubation troughs with 60 trays, capable of incubating 3 lakh eggs at the trout hatchery in Barot. The hatchery also has 13 start feed tanks.

### **5) Sangla: ESTD. 1965**

Kinnaur district has a small trout farm at Sangla in on the left bank of river Baspa. The farm has total are of 1.5 acre.

#### **Water availability:**

The water is being drawn to the farm from Hubra Khad, which is a tributary of river Baspa, through 5-inch diameter GI Pipe. It is estimated that the total availability of water is to the tune of 40lt/sec. There are two spring water sources outside the farm which are supplying about 5lt/sec water to the farm and this is the water which is being used for rearing the livestock at present.

#### **Infrastructure available:**

- **Raceways :** 19 (size varies from 7×1.5×1m (3No.), 15×2×1.30m (10No.), 20×2×1m (2No.) and 10×3×1.5m (4No.).
- **Office-cum-store :** 1
- **Hatchery :** 1
- **Feed store :** 1
- **Residential complex :** Type-III = 2  
Type-II = 2  
Type-I = 1

#### **Capacity of the farm, Hatchery and level of its utilization level:**

##### **Farm:**

There are plenty of raceways at the farm, but water supply is limiting factor. In order to utilize all the infrastructure available an additional water supply system from Rukti khad is under construction at the farm. After its completion, farm shall have a production capacity of 5 tonnes.

##### **Hatchery:**

Hatchery at the farm is under remodeling process.

**6) Dhamwari: ESTD. 2005**

This farm is located on 0.6 ha in Rohru tehsil of Shimla district at Dhamwari. The farm has been recently constructed.

**Water availability:**

Water to the farm is being drawn from Khanyara Khad at the rate of 150lt/sec through G.I. pipe. There is hardly any shortage of water to the farm and if needed the quantum of water being drawn can be increased by laying an additional pipe line.

**Infrastructure available at the farm:**

- **Raceways:** 11 (3) (15×2.17×1.5m)
  - (8) (15×2×4.5m)
- **Hatchery building :** 1 (Containing 4 start feed tanks, two nursery tanks and 6 hatching troughs with 24 trays)
- **Office Building:** 1
- **Type III residence:** 1
- **Type II residence:** 2
- **Type I residence:** 2
- **Aqua shop:** 1

**Capacity of the farm and hatchery and its utilization level:**

**Farm:**

The construction works at the farm are rearing completion. It shall have a fish production capacity of 5 tonnes.

**Hatchery:**

The hatchery has an installed capacity of 2.5 lakhs ova & 2.00Lakhs fingerlings.

**Staff Position:**

- **Fisheries Officer:** 1
- **Farm Assistant:** 1
- **Field Assistant:** 2
- **Fishermen:** 1
- **Helper (outsourc):** 1
- **Part Time Sweeper:** 1

**7) Holi: ESTD. 2000**

**Location:** Bharamaur Tribal Area, Chamba District

**Established:** 2000

**Area:** 6 bighas



**Objective:** This farm was constructed to facilitate the propagation of trout in the open waters of the Ravi River and its tributaries, while also initiating trout farming in rural areas to generate employment for tribal people.

**Water Availability:**

Water is sourced from two points:

- A spring source that provides approximately 1 liter/second.
- Kee Nala, located about 2 km away, supplying about 50 liters/second.



**Infrastructure:**

- **Raceways:** 6
- **Nurseries:** 10
- **Hatchery:** 1
- **Residences:**
  - (Type I): 1
  - (Type II): 4

**Farm Capacity and Utilization:**

- **Fish Production Capacity:** 2 tones
- **Nurseries:** The ten cement concrete nurseries can rear 40,000 trout fingerlings up to 5 grams.
- **Hatchery:** The hatchery features 6 incubation troughs (with three trays each), capable of incubating about 100,000 trout ova.

**Staff position:**

- **Fisheries Office:** 0
- **Sub Inspector Fisheries:** 0
- **Farm Assistant:** 1
- **Field Assistant:** 1
- **Fisherman:** 0
- **Chowkidar:** 0
- **Outsourced Roles:**
  - Helper: 1
  - Part-Time Worker: 1

**Scope for Expansion:** The limited water availability constrains the expansion of activities at the farm, with the spring source yielding only 1 liter/second and the Kee Nala pipeline spanning approximately 2 km in landslide-prone area.

**8) Thalla: ESTD. 2015**

**Location:** Bharmour Tribal Area, Chamba District

**Area:** 4.17 bighas

**Objective:** This farm aims to enhance trout farming opportunities and generate employment for the local tribal community.

**Water Availability:**

Water is sourced from Suppa Nallah, approximately 1.5 km away.

**Infrastructure:**

- **Raceways:** 7 (Dimensions: 17m × 2m × 1.5m)
- **Nurseries:** 5 (Dimensions: 10m × 1m × 1m)
- **Hatchery:** 1
- **Angling Hut:** 1
- **Residential Buildings:**
  - Type I-1
  - Type II-4

**Farm Capacity and Utilization:**

- **Fish Production Capacity:** 6 tones
- **Nurseries:** The 5 cement nurseries can rear 20,000 trout fingerlings up to 5 grams.
- **Hatchery:** The hatchery is equipped with 6 incubation trough (6 trays each), capable of incubating about 200,000 trout ova.

**Staff Position:**

- **Fisheries Officer:** 1
- **Farm Assistant:** 1
- **Field Assistants:** 2
- **Fishermen:** 2
- **Chowkidar:** 0
- **Part-time Worker:** 1
- **Outsourced Roles:**
  - Cook cum Chowkidar: 0

**9) Bhandal: ESTD 1984**

**Location:** Bhandal Area, Salooni Subdivision  
**Established:** 1962 (Closed in 1999 and reopened in Year 2018)

Area: 0.12 bighas of marshy land

**Objective:** To promote trout farming and create employment opportunities for the local population, leveraging the area's geographical advantages for aquaculture development.

**Water Availability:**

Water is sourced from Jamla Nallah, located about 0.5km from the farm.

**Capacity of the Farm and Hatchery:**

- **Fish Production Capacity:** Approximately 6 tones.
- **Hatchery:** The hatchery has 3 large and 5 small incubation troughs (with 6 trays each), capable of incubating about 100,000 trout ova.
- **Residence:**
  - Type I- 1
  - Type II- 1
  - Office Building- 1
  - Store- 1

**Staff Position:**

- **Sub Inspector:** 0
- **Farm Assistant:** 1
- **Field Assistant:** 2 (1 filled and 1 vacant)
- **Fisherman:** 1
- **Part-Time Worker:** 0
- **Chowkidar:** 0

**Scope for Expansion:** The limited availability of water constrains expansion activities, resulting in very limited opportunities for growth in the farm's operations.

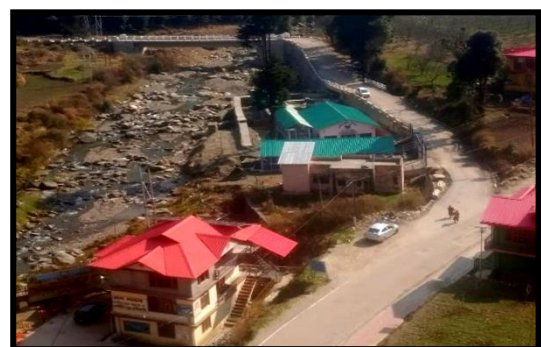


**10) Janjheli: ESTD 2023**

**Water availability:** Bhakli Khad

**The farm has following infrastructure:**

- **Water storage tank:** 1
- **Start feed tank:** 8
- **Hatchery:** 1 (15 x 12 m)
- **Nursery Ponds:** 4
- **Trout Raceway:** 3 (15 x 2 x 1.5 m)
- **Nursery Trout Raceway:** 2 (10 x 1 x 1 m)
- **De-Silting Cum Sedimentation Tanks:** 1 (8 x 8 x 2.50 m)
- **Type-II residence:** 2



### Following fish species will be reared in future at this farm:

- Rainbow Trout

### Staff Position

- Fisheries Officer: 1
- Field Assistant: 1
- Part-time: 1

## Status of carp & mahseer fish farms:

### 1) Deoli (Ghagus): ESTD. 1960

**Location:** VPO Deoli, Tehsil Sadar Distt. Bilaspur

**Established (Year):** 1960

**Area:** 4.4 Hac

**Objective:** To produce high-quality carp fish seed and provide them to fish farmers in the region, ensuring sustainable fish farming practices.

**Water Availability:** There is no water dearth to this farm and it can be drawn as per requirement from the small rivulet flowing alongside of the farm.

**Infrastructure:** There is following infrastructure at the farm:

- **Nursery ponds:** 14 no. (0.3462 Hac. area)
- **Rearing pond:** 11 (0.4876 Hac. area)
- **Brooder pond:** 03 (0.7635 hac. area)
- **Ornamental Pond:** 08 (0.0204 Hac. area)
- **Office-cum-residences:** 1
- **Rest house:** 01 No. (04 set)
- **Aquarium house:** 1No.
- **Training Hall:** 01 No.

**Farm Capacity and Utilization:** The farm is producing common carp (*Cyprinus carpio*) & its genetically improved variety *Hungarian Carp* fish seed besides breeding of fresh water ornamental fish species. Instead of these one of the IMC variety named Rohu is also successfully breed at Fish farm. The common carp is the ideal fish for this farm keeping in view the quantum of seed produced during past years. The available nursery & rearing pond area have the capacity to rear about 12 million carp spawn per annum. The three bigger ponds (0.7635 ha.) are available for keeping brood fish and raising fish for sale from farm.

Gold fish, Koi Carp (*oviparous*) & Guppy, Molly (*viviparous*) ornamental fishes are also available at this farm for sale to the aquaria owners.

### Staff position:

**Fisheries Officer:** Vacant

**Farm Assistant:** Vacant

**Field Assistant/Fishermen:** 02

**Chowkidar:** 01

**Daily Paid Helper (Outsource): 02**  
**Part Time Sweeper (Outsource): 01**

**Scope for Expansion:** There is no scope to increase the water area of the Farm.

**2) Alsu: ESTD. 1960**

This farm is located in Alsu village, Sundernagar tehsil, Mandi district, and covers a land area of 20 bighas. The farm has the following infrastructure

- **Nursery ponds:** 5 (16x6 m)
- **Rearing pond:** 10 (6 ponds: 24x15 m; 4 ponds: 18x13 m)
- **Brooder pond:** 8 (6 ponds: 24x15 m and 2 ponds: 24x18 m)
- **Office-cum-residence of FO:** 1
- **Staff residence type 1:** 4
- **Chowkidar residence type 1:** 1
- **Outdoor hatchery:** 1
- **Solar Power Plant (Off Grid):**  
10KW/Capacity
- **Rain Water Harvesting tank:** 1
- **Toilet Block:** 1



**Water availability:**

Water for the farm was being drawn from Alsed Khad, but due to heavy rain (cloudburst) in the Sundarnagar area on 02-08-2023, the water supply pipeline was completely damaged. The farm is now dependent on a percolation well with a submersible water pump (10 H.P.)

**Following fish species are being reared at this farm:**

- Indian major carps- Rohu & Mrigal
- Amur carp
- Koi Carp and Gold fish

Indian major carps, especially mrigal and rohu, are being successfully bred, and their fingerlings are sold to fish farmers in the district and also stocked in the rivers and streams of the district. Besides carp fish, ornamental fish like goldfish and koi carp are also bred on the farm and sold to customers.

**Staff position:**

- Fisheries Officer: 1
- Field Assistant: 1
- Fishermen: 1
- Chowkidar: 1
- Part time Sweeper: 1

### 3) **Kangra: ESTD. 1966**

Kangra fish farm has an area of 0.8064 ha, out of which water area is 0.23 ha. The farm has following infrastructure:

- 1) Nursery ponds - 2 (570 sqm)
- 2) Rearing ponds - 5 (630 sqm)
- 3) Brood stock ponds 2 (1100 sqm)
- 4) Office - 1
- 5) Rest house – 3suits
- 6) Aquarium House-cum-hatchery – 1
- 7) Integrated Ornamental unit – 1

#### **Water availability:**

There is a small pond having an area of 42 sqm, which is acting as a water source during monsoon and early part of winter, when this pond overflows, it supplies water to some other ponds. During lean season when the subsoil water ponds are supplied water through an electric pump from this pond, meaning thereby that all the ponds at the farm except the nursery area are dependant for water on the subsoil water table.

#### **Staff position:**

- 1) **Senior Fisheries Officer - 1**
- 2) **Farm Assistant - 1**
- 3) **Fishermen - 3**
- 4) **Chowkidar - 1**
- 5) **Cook-cum-Chowkidar - 1**
- 6) **Part time – 1**

**Constraints:** Except two nursery ponds all the ponds are getting sub-soil water and there is hardly any scope to increase in their productivity as the entire manure or nutrients if added would not be able to react with bottom soil or pond water and are likely to get leached. This results in stunted growth in fish.

### 4) **Sultanpur: ESTD. 2002**

**Location:** Sultanpur, Chamera District

**Area:** 32 bighas of marshy land

**Objective:** The primary goal of setting up this farm is to provide quality fish seed to local-fish farmers in Chamba, as well as to produce fish for consumption and stock the Chamera reservoir.

#### **Infrastructure:**

- **Nursery Ponds:** 8 (Dimensions: 18m×13m×1m)
- **Sump Well:** 1
- **Office Building:** 1
- **Aquarium House:** 1

- **Angler Lodge (UC): 1**
- **Chowkidar Hut: 1**
- **Residential Complex:**
  - Type III: 1
  - Type II: 2
  - Type I: 2

**Water Availability:**

The farm utilizes subsoil water for fish and fish seed rearing, and a sump well has been recently constructed. Water temperature records show a range of 8°C in January to 38°C in July. Being in a low-lying area, the farm collects runoff water from the catchments, which accumulates on a significant portion of the farmland.

**Capacity of the Farm and Extent of Utilization:**

The waterlogged nature of the farmland has made it difficult to control productivity in the ponds. The pond bottoms are peaty, making complete drying and netting out for fish and fish seed harvesting challenging. The total available rearing space is 0.18 hectares. If the ponds could be completely dewatered and all fish rearing practices adopted, it would be possible to rear 15-20 lakh carp spawn in 6 ponds (with 2 designated as brood fish ponds), thereby raising 5 lakh fry.

**Staff Position:**

- **Assistant Director: 1**
- **Senior Fisheries Officer: 0**
- **Fisheries Officer: 1**
- **Farm Assistant: 1**
- **JOA IT: 2**
- **Driver (Deputation to Directorate): 1**
- **Peon: 2**
- **Field Assistant: 2**
- **Fisherman: 1**
- **Outsourced Roles:**
  - Cook cum Chowkidar: 1
  - Feed Mill Helper: 1
  - Part-Time Workers: 2

## 5) **Nalagarh: ESTD. 2011**

**Location:** Fish Farm Nalagarh a semi hilly area is located 31.05° N 76.72° E with an average elevation of 372 meters at Jagatkhana, about 5Km from main city, on Nalagarh - Ropar road. The farm was taken over by the department in November 2011 after its ten year lease period with a private entrepreneur was over. The farm was on lease with a private entrepreneur from 2001-2011.

**Infrastructure:** The farm has a vast area of about 7.5 ha, out of which about 2.8 ha has been developed as water area.



When the farm was taken over, there were only 11 ponds. After 2011 extensive renovation and new construction works were started through funds (4.70 crores) received under NMPS scheme (a component of RKVY) and at present there are 40 ponds in all, out of which 22 are nursery ponds, 12 are rearing ponds, and 6 are stock ponds. The old circular Chinese hatchery (for IMC breeding) has been renovated and has been made functional. The new indoor D-81 hatchery has also been installed. Both these hatcheries have proved a boon in the breeding of Indian Major Carps. The construction work of one aqua shop has also been completed.

There is ample residential facility for the staff which comprises one type –III quarter, 6 type – I quarters and one type –II quarter. Office building has also been renovated and an inspection



hut with two sets has been created.

### **Staff position:**

- **Senior Fisheries Officer : 01**
- **Farm Assistant : 01**
- **Field assistants : 04**
- **Chowkidar : 01**
- **Daily paid helpers : 04**
- **Part time sweeper : 01**



## 6) Deoli (Gagret): ESTD. 2011

**Name of farm** - Carp Fish Seed Farm (Deoli) Gagret, Una.

**Location** – Village Deoli, Gagret, Una (H.P) 177212.

**Established (Year)** – 1984.

**Area** – 10 hac.

**Objective** –

- Quality fish seed production.
- Fish Feed production.
- Training of fish farmers, Fisheries Entrepreneur and Fisheries Officials.

**Water Availability** – 2 no. Bore well and 1 no. Percolation well.

**Infrastructure**- Chinese Fish hatchery, D-81 FRP hatchery, Ornamental Fish hatchery, Fish Feed mill, Aqua shop , Nursery pond 26 no , Rearing pond 25 no , Stock pond 6 no.

**Farm Capacity and Utilization** – 52 Lac Spawn holding capacity at one time fully operational.

**Staff Position** –

- Senior Fisheries Officer– 1
- Farm Assistant – 1
- Field Assistant – 2
- Chowkidar – 1
- Outsource Helper – 4
- Outsource Feed mill operator – 1
- Outsource part time worker – 1

**Scope of Expansion** – Almost 30% area of farm area is still not utilized and there is ample scope of expansion for technology based infrastructure.

**Other** – A state of the training center having capacity for 50 (35 male & 15 Female) participants with boarding and lodging facility is under construction at farm and will be completed by the end of 2025.



## 7) Badripur: ESTD. 2022

The farm is situated on 25 bighas of marshy land of Badripur, Paonta sahib, Sirmour district. The main objective of setting up this farm was to provide quality fish seed to the fish farmers in Sirmour.

**The farm has following infrastructure:**

- Nursery ponds: 2(11x16x1.5m)
- Nursery ponds: 6(15x11x1.5m)
- Rearing Pond: 2(20x10x1.5)
- Rearing pond: 4(19x14x1.5m)
- Brooder pond: 2(30x17x1.5m)
- Brooder pond: 1(37x16x1.5m)



- **Office building:** 1
- **Community centre-cum-angling hut Paonta sahib:** 1
- **Residential complex:** Type-I - 3No.  
Type-II - 2No.

**Water availability:** There is no dearth of water to this farm and it can be drawn as per requirement from the bore that is inside of the farm. Perusal of the water temperature record reveals that the temperature ranges between 12 to 32 degree Celsius, lowest during January and maximum during July.

**Capacity of the farm and extent of its utilization: Following fish species are being reared at this farm:**

- I. Indian major carps- Rahu & Grass
- II. Common Carps- Golden & Hungarian.

The farm has attained carp seed production level of 15-23 Lakh spawn per annum.

**Staff position:**

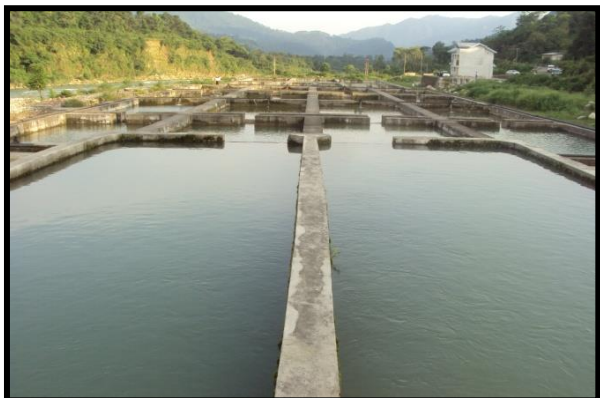
- **Sub-inspector - 1**
- **Farm Assistant - 0**
- **Field Assistant - 3**
- **Chowkidar – 0**
- **Farm Assistant - 0**
- **Field Assistant - 3**

## 8) **Machhiyal (Mahseer farm): ESTD. 2016**

This farm is located in Badon village, Jogindernagar tehsil, Mandi district, and covers an area of 2.5 hectares. It is situated near State Highway-19, on the right bank of the Rana rivulet.

**Infrastructure:**

- **Nursery Ponds:** 16 (15 x7.5m)
- **Rearing Ponds:** 6(30 x10m)
- **Brooder:** 2(30 x15m)
- **Hatchery:** 1
- **Office-com-residence of FO:** 1
- **Staff residence Type-I:** 4
- **Angler Lodge:** 1 with 2 suits and a parking area



**Water availability:**

Water for the farm is primarily drawn from Ranna Khad. An alternate source of water is Mathekhar Naala.

**Capacity of the farm and its present level of utilization:**

The total water area of the farm is 4500 square feet, and a target of 2.0 lakh Mahseer eggs has been allotted to the farm.

**Following fish species are being reared at this farm:**

1. Mahseer
2. Schizothorax
3. Common Carp

**Staff position:**

- **Fisheries Officer: 1**
- **Farm Assistant: 1**
- **Field Assistant/Fishermen: 3**
- **Chowkidar: 1**
- **Part time Sweeper: 1**