



बिहार सरकार

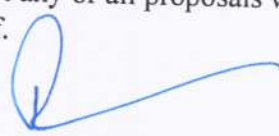
Govt of Bihar
Animal & Fisheries Resources Department
Directorate of Fisheries, Patna, Bihar

Request for proposal for selection of "EOI Notice inviting Applications for Empanelment of Equipment Manufacturers /Suppliers /Company /Agencies /Dealers"

1. With an objective of timely accomplishment, ensuring support to the beneficiaries and achieving the targets assigned under different State/Centrally sponsored schemes, Directorate of Fisheries, Govt. of Bihar proposes to empanel reputed companies/agencies/manufacturers/dealers & suppliers, who may extend support in ensuring supply/availability of good quality products & services to the farmers/fishermen & entrepreneurs under different schemes of the Govt. This will provide menu of options and help the farmers/beneficiaries to opt the required items directly through the empanelled agencies.
2. The detailed terms and condition for qualification of the bidders/suppliers for submission of bids/proposals and selection criteria, scope of work of the agency etc. are indicated in the Bid Documents, which can be downloaded from our website! "<https://state.bihar.gov.in/ahd>" and "fisheries.bihar.gov.in"
3. Brief Details for bidding for empanelment are as below:

| | |
|---|---|
| Bid cost/ Empanelment Fee | Rs. 6,000 to 36,000 depending upon the category to which application is submitted, details may be seen on Bid / EOI document |
| Last Date for submission of queries/ Clarifications | <u>07/07/2025</u> |
| Pre-Bid Meeting Date and Venue | <u>10:30 AM, 27/06/2025</u> at Department's Meeting Hall on 2 Floor, Vikas Bhawan, New Secretariat, Bailey Road, Patna- 800001. |
| Last Date and time for receipt of Proposal through speed post / courier | <u>25/07/2025, 05:00 PM</u> |
| Date and Time of Opening of Proposal | <u>28/07/2025, 10:30 AM</u> in the Departments Meeting Hall on 2 Floor, Vikas Bhawan, New Secretariat. Bailey Road. Patna- 1 |
| E-mail | directorfisheries-bih@.nic.in |
| Contact Detail | Sri Pawan Kumar Paswan , Dy. Director, Fisheries (SPU) Directorate of Fisheries, New Secretariate Vikas Bhawan, Bailey Road, Patna-800015, Ph: 0612-2215175, Mobile: 9473 191540 |
| Note- Any kind of amendment/corrigendum will be published at the above web address | |

Directorate of Fisheries, Bihar, Patna (AFRD) reserves the right to accept or reject any or all proposals without incurring any obligations to inform the affected applicant/s of the grounds thereof.


Director, Fisheries
Directorate of Fisheries
Animal & Fisheries Resource Department
New Secretariat, Bailey Road, Patna- 800001



1. Notification

Newspaper advertisement on **Empanelment of Equipment Manufacturers/Suppliers under** **State & Central Scheme's**

Advertisement No:

Date:

The Directorate of Fisheries, Bihar Patna invites applications for "Dynamic Empanelment of Equipment Manufacturers/Suppliers" under State & Central Scheme's from firms registered under relevant Indian Registration Laws as Proprietorship firm/ Partnership firm registered under LLP Act, 2008/Indian Partnership Act, 1932 or Company in India as per Indian Companies Act, 1956 or Indian Companies Act, 2013 and any Micro, Small and Medium Enterprises (MSME) engaged in manufacturing/supply of fisheries related Equipment/machinery. For detailed guidelines, application & relevant documents visit: <http://fisheries.bihar.gov.in>. Last date for submission of application is 25/07/25.

Directorate of Fisheries, Bihar Patna





बिहार सरकार



Government of Bihar

Animal and Fisheries Resources Department

Directorate of Fisheries, Vikas Bhawan, New Secretariat, Patna – 800015

PMU/DOF/03/2020

Date:

EOI
Notice inviting Applications
for
Empanelment of Equipment
Manufacturers /Suppliers /Company
/Agencies /Dealers

Directorate of Fisheries, Bihar Patna

Table of Contents

| Sl. No | Description | Page No |
|--------|---|---------|
| 1 | Contents | 2 |
| 2 | Section I: Details of Empanelment of Equipment Manufacturers /Suppliers in Fisheries & Aquaculture under state and central schemes | 3 |
| | 1) Background | 4 |
| | 2) Purpose of empanelment of Equipment Manufactures/suppliers | 5 |
| | 3) Objectives | 5 |
| | 4) Who can apply? | 6 |
| | 5) Who can avail services? | 6 |
| | 6) Who will empanel? | 6 |
| | 7) Eligibility criteria | 7 |
| | 8) Scope of work | 8 |
| | 9) Procedure for empanelment of Equipment Manufacturers/Suppliers | 9 |
| | 10) Engagement of empanelled firms by users/clients | 10 |
| | 11) List of documents to be furnished by the applicant | 10-11 |
| | 12) General Terms & conditions | 11-12 |
| 3 | Section II: Issue of Notification & Application Process | 13 |
| | 1) Notification | 14 |
| | 2) Application process | 15-16 |
| | 3) Schedule of events | 17-18 |
| 4 | Section III: Annexure | 19 |
| | Annexure – 1: Application Forms | 20-22 |
| | Annexure – 2: Components under category | 23-44 |

Section I

**Details of Empanelment of Equipment Manufacturers
/Suppliers in Fisheries & Aquaculture under state and
central schemes**



Empanelment of Equipment Manufacturers / Suppliers

1. Background:

Fisheries and Aquaculture sector is growing rapidly in state with millions of people dependent for their livelihoods on fisheries directly and indirectly. Recent tremendous growth in the sector is determined by the increasing production & productivity as a result of increased focus of Government and private sector by initiating large scale projects with huge investments, growing demand for fish consumption, increase in incomes, innovations & introduction of latest technologies viz., Cage culture, Pen culture, Aquaponics, Re-circulatory aquaculture system (RAS), Bio floc system, Aqua Hubs, etc, increase in export sales, etc. This industry includes various activities concerned with fishing, culturing, production, manufacturing, processing, preserving, storing, transporting, marketing or selling fish or fish products. Fishers, Fish Farmers, Fish vendors, Fish Workers, Entrepreneurs, organized institutions such as joint liability groups, Self Help Groups, Cooperative societies, Fish Farmer Producer Organizations, Manufacturers, Hatchery owners, traders, consumers, Government & private organizations are some of key role players involved across fisheries value chain and are contributing to the development of the sector.

With an objective of timely accomplishment, ensuring support to the beneficiaries and achieving the targets assigned under different State/Centrally sponsored schemes, Directorate of Fisheries, Govt. of Bihar engaged to empanel reputed companies/agencies/manufacturers/dealers & suppliers, who may extend support in ensuring supply/availability of good quality products & services to the fish farmers/fishermen & entrepreneurs under different schemes of the Govt. This will provide menu of options and help the farmers/beneficiaries to opt the required items directly through the empanelled agencies.

As already, Expression of Interest (EOI) No. PR-10090 (Animal) 2022-23, dated- 03.11.2022 and Corrigendum No.-17, dated- 05.01.2023 and Technical Committee meeting dated- 23.01.2023, 20.02.2024 and 24.03.2024 published by Directorate of Fisheries, Bihar Patna, 14 institutions have been listed, in which the validity of the agency has been made for 3 years (Till 31st March 2026).

The utility of new equipment is increasing in the fisheries business and to provide continuous supply of new equipment to the supplier / service provider, arrangements are being made to get the agency empanelled over the year. Empanelment takes place continuously in NFDB, Hyderabad and similar arrangements are being made in the state as well.

2. Purpose of empanelment of Equipment Manufacturers:

Fishers & Fish farmers are in constant demand for supply of quality equipment and machinery at affordable prices for various culture & capture based fisheries activities in their reach. Equipment like boat, net, electrical pumps, aerator, air blower, compressor, generator, oxygen generator, feed dispenser, cage material, tanks for Biofloc/RAS/Aquarium, hatcheries, feed mill, cold storage, refrigerators, processing & packing & Ice flake machines, storage material, lab equipment, safety kits, water testing kits, marketing kit, plastic ice box, weighing balances, etc are mostly procured items by them. In order to optimize the production and productivity of the pond ecosystem, provision of different type of machinery/implements to the farming system is very much needed. But, access to information related to various products / equipment / machinery and their equipment manufacturers and suppliers is very minimal.

Need for aggregation of all the potential manufacturers and suppliers of fishing and aquaculture equipment and machinery at one place. Under the State and Central scheme end to end assistance is provided to the beneficiaries for overall development of the fishing community. In order to enable the beneficiaries to select suitable manufacturers and suppliers as per their choice and requirement as well as to ensure quality delivery of equipment and machinery at affordable prices, Directorate of Fisheries (DoF) intends to empanel the equipment manufacturers and suppliers and put their list on the website (<http://fisheries.bihar.gov.in>).

3. Objectives:

- To identify, grade and empanel eligible manufacturers and suppliers of equipment & machinery related to fisheries & aquaculture.
- To review meeting of agencies inclusion and execution with the feedback of farmers/beneficiaries and DFO.
- To create awareness among fishers/ beneficiaries on empanelled list of manufacturers/ suppliers and help them in accessing services.
- To facilitate quality & timely delivery of equipment and machinery to the end farmers/beneficiaries by empaneling manufacturers & suppliers.
- To enhance production, productivity and profitability across the value chain through creation of common platform for suppliers/ beneficiaries.
- To foster linkages among producers, aggregators, processors, suppliers and exporters for better Price realization and enhanced incomes.
- To develop and improve the procurement and operational systems of equipment & machinery in fisheries.

4. Who can apply?

Any registered Firm/ Company engaged in manufacturing / supply of equipment, accessories, raw material, input suppliers & machinery related to fisheries & aquaculture and are registered mentioned below:

- Proprietorship firm
- Partnership firm registered under LLP Act, 2008/Indian Partnership Act, 1932 (or)
- Company in India as per Indian Companies Act, 1956 or Indian Companies Act, 2013
- Micro, Small and Medium Enterprises (MSME)

5. Who can avail services?

All individuals/entities in need of equipment/ machinery for taking up directly or for promotion of fisheries & aquaculture related activities can approach and avail the services of the empanelled manufacturers under state and central schemes farmers/beneficiaries can be: -

- Fishers, Fish Farmers, Fish Workers and Fish Vendors
- Self Help Groups (SHGs)/ Fisheries Cooperatives/Joint Liability Groups (JLGs)
- Fish Farmer Producer organizations/Companies (FFPOs/Cs)
- Individual Entrepreneurs and private entities/ firms
- Government Departments/Institutions
- Private organizations registered as Proprietorship firm / Partnership firm/ LLP/Company in India
- International Organizations having presence in India with all legal permissions
- Beneficiaries of state and central schemes, FIDF (Fisheries Aquaculture and infrastructure Development Fund) and any other relevant Fisheries/Aquaculture related schemes.

6. Who will empanel?

Directorate of Fisheries, (under Animal & Fisheries Resources Department), Bihar Patna intends to empanel Manufacturers/Suppliers for providing Equipment/Machinery in fisheries sector under state and central scheme.

Directorate of Fisheries will empanel Equipment Manufacturers/Supplier firms with expertise in fisheries sector through robust selection criteria and will place their details in its website: <http://fisheries.bihar.gov.in>. The Empanelment of Supplier/Manufacturer by Directorate of Fisheries, Bihar Patna will be dynamic process (Continuous Process) i.e the empanelment will be done though out the year without floating any RFP regarding the new empanelment. All those individuals/institutions requiring equipment/machinery related to fisheries & aquaculture has to visit the website and approach for services.

7. Eligibility Criteria:

The agency/firm/supplier should be registered under any Indian Registration Laws as Proprietorship firm/ Partnership firm registered under LLP Act, 2008/Indian Partnership Act, 1932 or Company in India as per Indian Companies Act, 1956 or Indian Companies Act, 2013.

- Should have a registered office in India and should be in existence and engaged in manufacturing or supply of equipment/ machinery related to fisheries & aquaculture for a minimum period of 2 year.
- Details of two financial years of Balance Sheet and Annual Turnover certified by a Chartered Accountant. Annual Turnover average of the last two years (FY 2022-23, FY 2023-24) (as per the last published Balance sheets), should be minimum of INR 10 Lakhs that is generated from fisheries product supplies.
- Should have GST return of last quarter and PAN number.
- Should have all required licenses / permissions of establishment and test certificates conforming relevant specifications from Government recognized/ authorized institution/s.
- Should have current client base from fishers/ fish farmers/owners of Hatchery, RAS, feed mills, processing units, aquaculture ponds, Central – State Govt. Departments, Public/Pvt Ltd Companies etc.
- Should not have been blacklisted / barred /disqualified by any Govt. or regulator/statutory body or institution. A notarized affidavit in this regard must be enclosed with the application.
- Service operational area within District/State.
- Should be in a position to supply indented equipment/machineries in time with after sales service.
- Documents e.g.- Work Order, Contract, Letter etc showing proof related to similar tasks accomplished either for NFDB or any State Govt./Central Govt or UT must be enclosed with the application.
- The supplier/agency may be a manufacturer or authorized distributor/dealer of a reputed brand in the country; it would be mandatory for all. Relevant proof in this regard would need to be annexed.
- The supplier/agency will provide an authorization certificate from the OEM (Original Equipment Manufacturer); that they have been authorised to participate in the tender and can provide support service against the listed plant machinery, accessories and equipment's under the category 1 (iii, v, and vii), 2, 3 and 4.
- The supplier or agency must produce ISO, BIS, ISI Mark and any other applicable standard certifications.
- All application will be accepted only through website: <http://fisheries.bihar.gov.in>

8. Scope of work (Fisheries Equipment/Machinery to be manufactured & supplied)

| S. No | Category | Components under each category | Empanelment Fee |
|-------|--|---|-----------------|
| 1 | Aqua inputs/ logistics | i. Fish seed | 12000 |
| | | ii. Fish feed | |
| | | iii. Fish medicines | |
| | | iv. Fishing nets (Cast/ Gill/ Drag Net) | |
| | | v. Boats (Wooden/ FRP) | |
| | | vi. Life jackets | |
| | | vii. Probiotics | |
| | | viii. Any other inputs | |
| 2 | Mobility and Marketing support | i. Insulated vehicle | 24,000 |
| | | ii. Refrigerated vehicle | |
| | | iii. Mobile fish kiosk | |
| | | iv. Bicycle (with ice box) | |
| | | v. Motor cycle 100 CC Engine (with ice box) | |
| | | vi. Three wheeler vehicle (with ice box) | |
| 3 | Plant & Machinery | i. Feed mill (2/8/20/100 Ton) | 36,000 |
| | | ii. Ice plant/ Cold chain | |
| | | iii. Post-harvest equipment (Freezer, Block freezer, Refrigerator) | |
| 4 | Aqua mechanization and technology infusion | i. Soil and water testing/ Fish production/seed producer kit | 24,000 |
| | | ii. Tube well | |
| | | iii. Solar pump, 3 H.P pump incl. solar plate (ISO/BIS/ISI Marka) | |
| | | iv. Aerator (1H.P/2H.P of single/Three Phase) | |
| | | v. Pen culture set up/RFF | |
| | | vi. Cage culture setup (6x4x4 meter) | |
| | | vii. Bio-floc setup (5/7/10/25/50 tanks with water holding capacity of 10 ton/ tank) | |
| | | viii. RAS setup | |
| | | ix. Ornamental fish culture unit setup (Concrete/ RFF) | |
| | | x. Fish vendors marketing kit/ Matsya shikarmahi kit | |
| 5 | Construction | i. Hatchery construction (Carp/ Scampi) | 24,000 |
| | | ii. Pond construction (Rearing/ Grow-out) | |
| | | iii. Fish market construction | |
| | | iv. Live fish vending centre | |
| | | v. Matsya Prashar Seva/ Kisan Sewa Kendra | |
| | | vi. Construction of Fish Kiosk including kiosks of aquarium/ ornamental fish | |
| | | vii. Bio-floc pond construction (1000 cubic meter) | |
| | | viii. Construction part in all other schemes like Shed construction/ Feed mills, Fish processing plant/ Cold storage units. | |
| 6 | Any other | i. If not specified in above categories | 6,000 |

9. Procedure for empanelment of Equipment Manufacturers/Suppliers:

All applications received from firms shall be scrutinized, graded and empanelled after approval of the Committee constituted for the purpose. The supplier/agency for empanelment will be selection by the Fisheries Directorate of Fisheries (DOF) Tender Purchase Committee and Technical Committee.

9.1 Constitution of Empanelment Committee by Directorate of Fisheries (DoF):

- Under the chairmanship of Director of Fisheries, Bihar Patna a Purchase/Tender committee has already constituted at the Directorate of Fisheries, Bihar which is inclusive of experts from relevant fields to screen and examine the competency of the firms as per the eligibility criteria.
- Up on approval, the list of the Manufacturers/ Suppliers of Equipment & Machinery will be uploaded in the website (<http://fisheries.bihar.gov.in>) duly informing the firm through written communication.
- All applications received for the purpose, within the given timeline, will initially be screened by the committee and then scrutinize the profile as per the eligibility criteria through the set of selection process.
- Shortlisted applications and those that don't fit the requirements, together with the reason, will be forwarded to the relevant authorities for approval or rejection upon empanelment.
- The Empanelled Manufacturers/Suppliers will submit the details of annual sale & services provided and also the farmers feedback regarding the avail services on every year (in month of November) to Directorate of Fisheries, Bihar, Patna.
- Review meeting on supply and services provided by empanelled agency will be conducted on or before 31st December of every year and based on the beneficiary's and District Fisheries Officials feedback, the validity of the agency included in the panel can be renewed or cancelled. In case of cancellation after review the empanelment fee given by the agency will not get returned/refunded.
- For agencies that are already empanelled, payment of the entire the empanelment fee will be required for renewal in the same category.
- If new applications received for empanelment get rejected due to any reason, the empanelment fee will be returned to the agency.
- For successfully empanelled agency the empanelment fee will not be refunded.
- In addition of any new component or category the already empanelled agency will have to get fresh registration (empanelment) for that category/component.
- The Empanelment of Manufacturers/ Suppliers by Directorate of Fisheries, Bihar Patna will be dynamic process (Continuous Process) i.e the empanelment will be done though out the year without floating any RFP regarding the new empanelment.
- All dispute/complain request will send to committee only.

10. Engagement of Manufacturers/Suppliers of Equipment/Machinery by farmers/beneficiaries:

Direct engagement: As per the requirement for supply of equipment/machinery, the farmers/beneficiaries may directly consult the empanelled Manufacturers/Suppliers from the Directorate of Fisheries website. DoF will not take any responsibility for the work delivered by the firm, financial agreements, disputes etc., between the Empanelled firm & farmers/beneficiaries. However, beneficiaries and district fisheries officer may share the feedback with the DoF on the service delivery and client response.

11. List of Documents to be furnished by the Applicant:

The applicant should submit the following documents for eligibility:

1. Filled in application form (Annexure I)
2. Proof of Identity of the applicant (Copy of Passport/ Aadhaar Card/Driving License) duly attested by authorized signatory
3. Authorization letter of the Firm declaring the authorized signatory for submission of application and all relevant documents
4. Proof of Registered office address
5. Copy of registration of Firm (Proprietorship/ partnership/ Pvt. Ltd comp/Public Ltd. Company/ Registered Society/Govt. Agency)
6. Copy of GST return of last quarter.
7. Copy of PAN Card
8. Income Tax return for last 2 years (FY 2022-23, FY 2023-24).
9. Copy of bank account details on name of Individual/Entrepreneur/ Private Firm duly attested
10. Details of two financial years of Balance Sheet and Annual Turnover certified by a Chartered Accountant. Annual Turnover average of the last two years (FY 2022-23, FY 2023-24) (as per the last published Balance sheets), should be minimum of INR 10 Lakhs that is generated from fisheries product supplies.
11. Test certificate conforming relevant specifications from Government recognized/ authorised institution.
12. The supplier/agency will provide an authorization certificate from the OEM (Original Equipment Manufacturer); that they have been authorised to participate in the tender and can provide support service against the listed plant machinery, accessories and equipment's under the category 1 (iii, v, and vii), 2, 3 and 4.
13. Detail list of manufacturing and analytical equipment with copies of bills/ invoices or supply orders or any documentary evidence to validate that the applicant has

- minimum 2 years & above experience in fabrication and supply of machineries related to fisheries.
14. The supplier/agency must produce ISO, BIS, ISI Mark and any other applicable standard certifications.
 15. The supplier/agency must enclose a certificate of quality and availability of fish feed and fish seed issued by the DFO.
 16. Web site details.

12. General Terms & conditions:

1. Directorate of Fisheries, Bihar, Patna will not make any offer for direct service/work to Empanelment of Manufacturers/Supplier Firms. DoF will list various manufacturing and supplying equipment/machinery connected to the Fisheries and Aquaculture sector for Fishers/Fish Farmers/Societies/Federations/Enterprise Firms/etc.
2. Directorate of Fisheries Committee reserves all rights to empanel the manufacturers/ Supplier firms for supply of Equipment/Machinery based on the credentials, experience and other eligibility parameters defined for selection process.
3. Directorate of Fisheries, Bihar, Patna shall not assure of providing contracts/works to the empanelled firms either directly by DoF or from farmers/beneficiaries.
4. Website: <http://fisheries.bihar.gov.in> is a portal having information's of empanelled manufacturers/suppliers.
5. As the Empanelment of Agency/Firm/Supplier/Manufacturer by Directorate of Fisheries, Bihar Patna will be dynamic process (Continuous Process) all the applications for empanelment will be accepted throughout the year only through online registration process on website: <http://fisheries.bihar.gov.in>.
 - All the applications for empanelment received between 01st January to 31st July will be scrutinize by the committee in August/September and after shortlisting the qualified agency their empanelment will be effective from 1st of October.
 - All the applications for empanelment received between 01st August to 31st December will be scrutinize by the committee in January/February and after shortlisting the qualified agency their empanelment will be effective from 1st of March.
 - As per the requirement the above dates can be change by Directorate of Fisheries, Bihar, Patna.

6. Validity of empanelled list will be for 3 years from the date of empanelment and the list regarding empanelment will be uploaded on website: <http://fisheries.bihar.gov.in>. The list shall be updated based on the requirement.
7. The complete accuracy and integrity of data submitted in respect of the seller and also in respect of goods offered and compliance with the applicable laws is sole responsibility of the seller/supplier.
8. Empanelled manufacturers/suppliers would be solely and absolutely responsible for the information provided about their organization, business, products, materials and prices on the portal.
9. Directorate of Fisheries Committee shall reserve rights to delist/cancel empanelled firms at any point of time if found fraudulent/involved in legal issues/misappropriations/ poor service delivery etc.
10. Directorate of Fisheries is not responsible for any financial transactions/delay in financial settlements between manufacturers/suppliers & farmers/beneficiaries.
11. Directorate of Fisheries shall not guarantee for quality of the equipment/ machinery supplied by the empanelled firms to the farmers/beneficiaries.
12. Listed member can withdraw at any point from the empanelled list by submitting requisition to Directorate of Fisheries committee along with reasons for withdrawal.
13. Directorate of Fisheries Committee, reserves the right to accept, reject or cancel the applications at any time without assigning any reasons thereof and decision will be final and binding and no further correspondence will be entertained
14. All disputes in connection with the contract between empanelled equipment manufacturer/supplier and buyer shall be subject to the exclusive jurisdiction of the court within the local limits of the jurisdiction where the contract was executed. Directorate of Fisheries would not be a party to any such dispute matter.
15. Disclaimer: Directorate of Fisheries is not promoting any equipment Manufacturers /Suppliers. Directorate of Fisheries is not responsible for any conflicts between the service provider or customer or any fraud or failure of the product/service-related issues.

Section II

Issue of Notification & Application Process

1. Notification

Newspaper advertisement on **Empanelment of Equipment Manufacturers/Suppliers under** **State & Central Scheme's**

Advertisement No:

Date:

The Directorate of Fisheries, Bihar Patna invites applications for "Dynamic Empanelment of Equipment Manufacturers/Suppliers" under State & Central Scheme's from firms registered under relevant Indian Registration Laws as Proprietorship firm/ Partnership firm registered under LLP Act, 2008/Indian Partnership Act, 1932 or Company in India as per Indian Companies Act, 1956 or Indian Companies Act, 2013 and any Micro, Small and Medium Enterprises (MSME) engaged in manufacturing/supply of fisheries related Equipment/machinery. For detailed guidelines, application & relevant documents visit: <http://fisheries.bihar.gov.in>. Last date for submission of application is _____.

Directorate of Fisheries, Bihar Patna

2. Issue of notification & Application Process:

- 2.1 DoF shall issue notification inviting applications for empanelment of Manufacturers/Suppliers for supply of equipment/machinery of fisheries & aquaculture through advertisement in Newspapers & placing in DoF <http://fisheries.bihar.gov.in>
- 2.2 All interested applicants shall submit application in the format enclosed as Annexure (1) along with the requisite & supporting documents and submit to the following address within the specified timeline:
Office of:
Directorate of Fisheries,
Animal and Fisheries Resources Department, Government of Bihar,
2nd Floor, Vikas Bhawan, New Secretariat, Patna – 800015
Email: directorfisheries-bih@nic.in. Telephone no 0612-2215175
- 2.3 The Application shall be submitted by a single entity only. A joint venture/consortium of entities shall not be eligible for submission of Application and/or for consideration for the Project in any manner whatsoever.
- 2.4 The applicant must pay the non-refundable empanelment fee in accordance with the guidelines specified in each category. Also, agencies that applying in more than one category will have to pay the required fee for each specified category.
- 2.5 Empanelment fee shall be paid by the applicant based the criteria:
- For agencies that are already empanelled, payment of the entire the empanelment fee will be required for renewal in the same category.
 - In addition of any new component or category the already empanelled agency will have to get fresh registration (empanelment) for that category/component.
 - If new applications received for empanelment get rejected due to any reason, the empanelment fee will be returned to the agency.
 - For successfully empanelled agency the empanelment fee will not be refunded.
 - In case of cancellation after review the empanelment fee given by the agency will not get returned/refunded.
- 2.6 The empanelment fee shall be paid through Demand Draft from a scheduled commercial Bank located in India in favour of Director, Fisheries payable at Patna.
- 2.7 The applicant should furnish payment details in the application. The original DD (issued under seven days) should be submitted along with application before the due date.

- 2.8 All pages of the application & supporting documents being submitted must be self-certified and sequentially numbered by the applicant firm irrespective of the nature of content of the documents. Unsigned and unstamped application will not be accepted.
- 2.9 Incomplete applications / not complying to the requirements shall not be considered.
- 2.10 All clarifications/corrigendum and any information related to this will be published on the official websites: <http://fisheries.bihar.gov.in>
- 2.11 Queries if any may be sent in writing to the DoF official address by post or soft copy on e-mail: directorfisheries-bih@nic.in
- 2.12 After publication of the notification, the contact person notified by Authority shall begin accepting written queries from the applicants. The Authority will endeavour to provide timely response to all queries.
- 2.13 However, the Authority makes no representation or warranty as to the completeness or accuracy of any response made in good faith, nor does authority undertake to answer all the queries that have been posed by the applicants.

3. Schedule of events



Govt of Bihar

Animal & Fisheries Resources Department

Directorate of Fisheries, Patna, Bihar

बिहार सरकार

1. With an objective of timely accomplishment, ensuring support to the beneficiaries and achieving the targets assigned under different State/Centrally sponsored schemes, Directorate of Fisheries, Govt. of Bihar proposes to empanel reputed companies/agencies/manufacturers/dealers & suppliers, who may extend support in ensuring supply/availability of good quality products & services to the farmers/fishermen & entrepreneurs under different schemes of the Govt. This will provide menu of options and help the farmers/beneficiaries to opt the required items directly through the empanelled agencies.
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|--|---|
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| Last Date for submission of queries/ Clarifications | _____ |
| Pre-Bid Meeting Date and Venue | _____ at Department's Meeting Hall on 2 Floor, Vikas Bhawan, New Secretariat, Bailey Road, Patna- 800001. |
| Last Date and time for receipt of Proposal through speed post / courier | _____ |
| Date and Time of Opening of Proposal | _____ in the Departments Meeting Hall on 2 Floor, Vikas Bhawan, New Secretariat. Bailey Road. Patna- 1 |
| E-mail | directorfisheries-bih@.nic.in |
| Contact Detail | Sri Pawan Kumar Paswan , Dy. Director, Fisheries (SPU) Directorate of Fisheries, New Secretariate Vikas Bhawan, Bailey Road, Patna-800015 Ph: 0612-2215175, Mobile: 9473 191540 |
| Note- Any kind of amendment/corrigendum will be published at the above web address | |

Directorate of Fisheries, Bihar, Patna (AFRD) reserves the right to accept or reject any or all proposals without incurring any obligations to inform the affected applicant/s of the grounds thereof.

Director, Fisheries

Directorate of Fisheries
Animal & Fisheries Resource Department
New Secretariat, Bailey Road, Patna- 800001

Proposed schedule of activities:

| | |
|--|---|
| Last Date for submission of queries/ Clarifications | _____ |
| Pre-Bid Meeting Date, Time and Venue | _____ in the Meeting Hall of Department |
| Last Date and time for receipt of Proposal through speed post / courier | _____ |
| Date and Time of Opening of Proposal | _____ |

Section III

ANNEXURE

Annexure – 1

Application for empanelment under the Directorate of Fisheries, GoB

| S. No. | Category Name | Item Name | Equipment/ Machinery/ tools /Toolkits/ vehicle | Detailed specification of the item | Quantities supplied till date in last 1 year | Name of vendee to whom supplied (Proof to be attached) |
|--------|---------------|-----------|--|------------------------------------|--|--|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Note: Details of Specifications and Quantities can be attached separately. Attach proof (bills, invoices etc) of supply w.r.t each of the item (equipment / machinery) for which the empanelment is desired.

| Applicant Details: | |
|--------------------|---|
| 1. | Name of the Applicant |
| 2 | Name of the Equipment/ Supplier Firm |
| 3 | Type of Firm (Tick (<input type="checkbox"/>) any one) Proprietorship (<input type="checkbox"/>) Partnership Firm (<input type="checkbox"/>) Public Ltd. Company (<input type="checkbox"/>) Startup approved by DIPP (<input type="checkbox"/>) |
| 4 | Name of the Authorized Signatory/ Head of the Organization & Designation |
| 5 | Date of Establishment (Regd. No. & Date) |
| 6 | Number of Years in the Business |
| 7 | Address of Registered HQ office/s & Branches: |
| 8 | Location/s of Manufacturing Unit (if any) |
| 9 | Email ID |

| | | |
|----|---|---|
| 10 | Mobile No. & Phone No. | |
| 11 | PAN Card No: (Enclose copy) | |
| 12 | GST No. (If already obtained) Enclose copy of registration | |
| 13 | Operational Area | |
| 14 | Infrastructure & Facilities | (Enclose details) |
| 15 | Valid Licenses / Permissions/ Certifications | Mention details (Enclose copies of Trade license, Electricity license, revenue permissions for land (own/lease), ISO certification, etc) |
| 16 | Item wise Quantities Manufactured / supplied in the past 2 year (as applicable) | 1. _____ (Item) _____ 2. _____ (Item) _____ 3. _____ (Item) _____ |
| 17 | Provisions for Annual Maintenance Services & services during sales /aftersales (Enclose details, if any) | |

18. Year wise financial particulars, audit, Tax filing +details where applicable:

| Year | Annual turnover (Rs. In lakhs) | Whether Financial Audit is done? (Yes/No). {If yes, enclose the copies of audit) | Whether Income Tax Returns is filed? (Yes/No) (Furnish the copy of the return) |
|---------|-----------------------------------|--|---|
| 2022-23 | | | |
| 2023-24 | | | |
| Total | | | |

(IT filing details of last/current years for firms with 2 years shall submit IT filing available or shall submit self- certified bank statements, if IT filings are not available)

19. Whether the Organization was black listed/ involved in any litigations/ Departmental enquiries/Recoveries of Govt., funds etc? : _____(Yes or No). If Yes, details to be furnished. If no, they have to submit notarized declaration.

20. Details of application fee paid:

| Demand draft particulars | Date of payment | Amount (Rs.) |
|--------------------------|-----------------|--------------|
| | | |

(Applications found deficient in any respect are liable to be rejected without any further correspondence).

Declaration:

I, __, S/D/W/o __, as authorized signatory of __ (firm) do hereby declare that all the information furnished in this application form are true to the best of my knowledge.

Date:

Place:

**Signature of the
Authorised person / Head of
the Organization**



Annexure – 2

Components under category: - 1(iv) Fishing nets (Cast/ Gill/ Drag Net)

Name of scheme: Proposed

I.) DRAG NETS

1.) Dimension- 450ft x 30 ft., Mesh Size 1.6"

| Sr No. | Item Specifications | Quantity |
|---------------|--|-----------------|
| 1.1 | Made of Nylon double Knotted twine 210/4/3 confirming ISI specification, with complete frame along with borderline, provided with orange colour fluorescent ring type floats (Qty. 70 nos.) of size 100mm x 75mm and sinkers (weight 8.50kg), made of special alloy of Iron and Lead, the net will be provided with virgin quality ISI mark (IS Standard – 5175/2014) head & foot rope with required hanging. Thickness of rope 12mm | 01 |
| 1.2 | Transport cost (approx.) | |

2.) Dimension- 200 ft X 27 ft., Mesh Size- 1.6"

| Sr No. | Item Specifications | Quantity |
|---------------|--|-----------------|
| 2.1 | Made of Nylon double Knotted twine 210/4/3 confirming ISI specification, with complete frame along with borderline, provided with orange colour fluorescent ring type floats (Qty. 80 nos.) of size 100mm x 75mm and sinkers (weight 4kg), made of special alloy of Iron and Lead, the net will be provided with virgin quality ISI mark (IS Standard – 5175/2014) head & foot rope with required hanging. Thickness of rope 10mm. | 01 |

3.) Dimension- 200 ft x 20 ft., Mesh Size 1.6"

| Sr No. | Item Specifications | Quantity |
|---------------|---|-----------------|
| 3.1 | Made of Nylon double Knotted twine 210/4/3 confirming ISI specification, with complete frame along with borderline, provided with orange colour fluorescent ring type floats (Qty. 80 nos.) of size 100mm x 75mm and sinkers (weight 4kg), made of special alloy of Iron and Lead, the net will be provided with virgin quality ISI mark (IS Standard – 5175/2014) head & foot rope with required hanging. Thickness of rope 10mm | 01 |

II.) CAST NETS

1.) Dimension- Height 18 feet, Circumference (Ghera): 36 feet, Sinker: 6kg, Mesh Size: 2"

| Sr No. | Item Specifications | Quantity |
|--------|---|----------|
| 1.1 | Made of Nylon twine No. 2, confirming ISI specification, provided with sinkers made of special alloy of Iron and Lead, Complete framing, provided with pockets and pulling rope of virgin quality ISI mark (IS Standard – 5175/2014). Thickness of rope 6mm | 01 |

2.) Dimension- Height 11 feet, Circumference (Ghera): 21 feet, Sinker: 6kg, Mesh Size: 1.25"

| Sr No. | Item Specifications | Quantity |
|--------|---|----------|
| 2.1 | Made of Nylon twine No. 2, confirming ISI specification, provided with sinkers made of special alloy of Iron and Lead, Complete framing, provided with pockets and pulling rope of virgin quality ISI mark (IS Standard – 5175/2014). Thickness of rope 6mm | 01 |

C. NET MAKING RAW MATERIALS:- I.) Raw materials for Drag nets:

| Sl. No | Dimensions of Net (L X W)(ft.) | Mesh size Specification (in mm) |
|--------|-----------------------------------|------------------------------------|
| 1 | 450 X 30 | 10 to 15 |
| | | 20 to 30 |
| | | 40 to 50 |
| 2 | 200 X 27 | 10 to 15 |
| | | 20 to 30 |
| | | 40 to 50 |
| 3 | 200 X 20 | 10 to 15 |
| | | 20 to 30 |
| | | 40 to 50 |

II.) Raw materials for Cast net:

| Sl. No | Dimensions (H X C)(ft.) | Mesh size Specification (in mm) |
|--------|----------------------------|------------------------------------|
| 1 | 18 X 36 | 10 to 15 |
| | | 20 to 30 |
| | | 40 to 50 |
| 2 | 11 X 36 | 10 to 15 |
| | | 20 to 30 |
| | | 40 to 50 |

Components under category: - 1(v) Boats (Wooden/ FRP)

Name of scheme: Proposed

A. FISHING BOATS: -

1.) Wooden Boat (Bigger Wooden Boat)

| Sr No. | Item Specifications | Quantity |
|--------|--|----------|
| 1.1 | Wooden Boat Length: 22' Breadth: 6.5' Height: 2' Takhti: 1' (base) Other Takthti- ¾' Wood Material: 30% Sal Wood and 70% Jamun aprox | 01 |

2.) Wooden Boat (Smaller Wooden Boat)

| Sr No. | Item Specifications | Quantity |
|--------|---|----------|
| 2.1 | Wooden Boat Length: 18' Breadth: 5' Height: 1.5' Takhti: 1' (base) Other Takthti- ¾' Wood Material: 30% Sal Wood and 70% Jamun approx | 01 |

B. FRP FISHING BOAT: FRP FISHING BOAT FOR Four Persons

| Sr No. | MODEL | Length (cm) | Width (cm) | Height (cm) | Max Engine power (HP) | Max Load (Kg) | Max. No. of Persons |
|--------|----------|-------------|------------|-------------|-----------------------|---------------|---------------------|
| 1.1 | FRP- 365 | 365 | 120 | 45 | 4 | 400 | 4 |

3.) FRP FISHING BOAT FOR Six Persons

| Sr No. | MODEL | Length (cm) | Width (cm) | Height (cm) | Max Engine power (HP) | Max Load (Kg) | Max. No. of Persons |
|--------|---------|-------------|------------|-------------|-----------------------|---------------|---------------------|
| 2.1 | FRP-490 | 487 | 152 | 60 | 6 | 500 | 6 |

Components under category: - 2(ii) Refrigerated vehicle**Name of scheme: Refrigerated vehicle (PMMSY)****Component Specifications**

Container are designed to operate in vehicles that have been suitably insulated for fresh or frozen products transportation. The Plates are mounted inside a chamber which is separate from the main load system. The product inside the storage compartment is cooled on required temperature either for Frozen Application (-24°C) or Chilled Application (+2°C to 8°C) by the PCM pads. The connected power supply to charge should be 3 phase.

Features:

- Minimum Maintenance
- No Load on Vehicle Engine
- Lower Operating Cost
- Highly Reliable
- Substantial Power Saving
- No Emission

Capacity - 10 to 20 ton

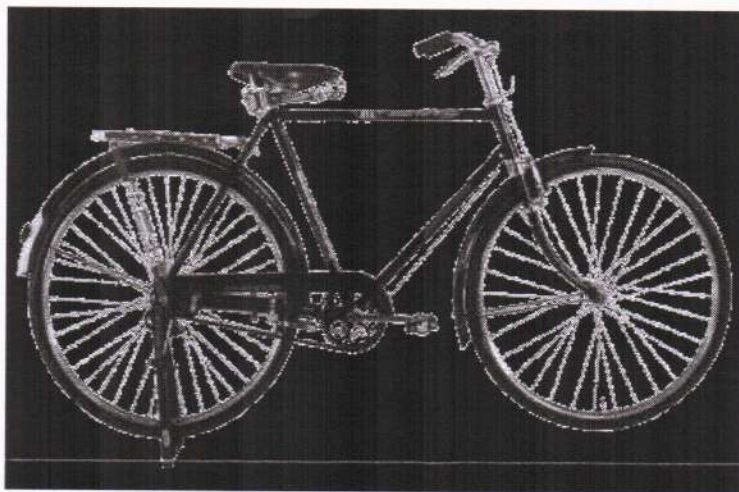
Components under category: - 2(iii) Mobile fish kiosk**Name of scheme: Mobile fish kiosk****Technical Specification:**

Fish kiosk could be static as well mobile although the present proposal for the mobile kiosk which as better flexibility and in other sector attracted common people. Mobile kiosk are made on a suitable vehicle and at given time sells its product at least one or two places in a given town. It serves ready to eat product like fish fry, fish cutlet fish bowl, fish finger, fish chilly, fish samosha, fish ginger, fish biryani, porn fry and porn chilly. Rice and fish is also in demand in Bihar so it may serve the same as need.

| S. NO. | COMPONENT |
|--------|-------------------|
| 1 | Mobile Fish Kiosk |

Components under category: - 2(iv) Bicycle (with ice box)

Name of scheme: Bicycle (with ice box)



Technical Specification: Fish Boxes/Insulated Shippers

Such a bicycle can be mounted with ice box of 25 litres which can be used for selling fish. It will help in preventing fish and keeping it fresh and the same can be delivered at consumer's doorsteps.

Made from FDA approved grades of polyethylene materials in double wall construction by a unique moulding process

- Rigid PUF (Polyurethane Foam) having 'k' value of 0.016 Kcal/mhr°C being used as insulation material
- Superior grade fittings and hardware
- Hygienic
- Strong and durable
- Leak-proof, rustproof and corrosion-free
- Keeps things stored in hot/cold condition for longer periods
- Built-in space to print message logo and brand name

| S. NO. | COMPONENT |
|--------|---------------------|
| 1 | Bicycle |
| 2 | Ice Box (25 litres) |

Components under category: - 2(v) Motor cycle (with ice box)

Name of scheme: Motor cycle (with ice box)



Technical Specification:

Fish Boxes/Insulated Shippers

100 Litre Insulated Ice Box, Capacity: 100 Ltr

| S. NO. | COMPONENT |
|--------|--|
| 1 | MOPED/MOTOR CYCLE (Min. 100 CC Engine) |
| 2 | ICE BOX |

Features:

- Made from FDA approved grades of polyethylene material in double wall construction by a unique moulding process
- 100% hygienic
- Tight fittings to keep ice melting rate in line with the best in the world
- Available with rubber clamps for locking lid [to prevent corrosion]
- Drainage plugs at bottom for water removal
- Tapered inner bottom for maximum drainage
- Lid with suitable gasket for better temperature retention
- Robust construction for very long life
- Tested and approved by Indian Institute of Packaging
- Easy transportation
- Moulded-in handles

Components under category: - 2(vi)Three-wheeler vehicle (with ice box)

Name of scheme: Three-wheeler vehicle (with ice box)



Component Specifications

| | |
|-----------------|------------------------|
| MAX POWER | 1410WT |
| RANGE | 75-125 KM |
| CHARGE | AUTOMATIC |
| CONTROLLER | 48 VOLT 24 MOSFETS |
| MOTOR | 1000 W WATER RESISTANT |
| WEIGHT CAPACITY | 300-600KG |
| TYRES | 3075X12 AND 90-90/12 |
| WHEEL BASE | 2350 MM |



Fish Boxes/Insulated Shippers Insulated Ice Box, Capacity: 100 Litres

Features:

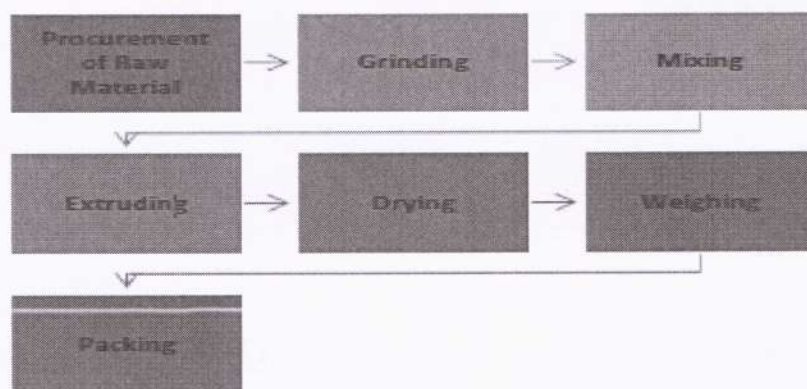
- Made from FDA approved grades of polyethylene material in double wall construction by a unique moulding process
- 100% hygienic
- Tight fittings to keep ice melting rate in line with the best in the world
- Available with rubber clamps for locking lid [to prevent corrosion]
- Drainage plugs at bottom for water removal
- Tapered inner bottom for maximum drainage
- Lid with suitable gasket for better temperature retention
- Robust construction for very long life
- Tested and approved by Indian Institute of Packaging
- Easy transportation
- Molded-in handles

Components under category: - 3(i) Feed mill

Name of scheme: लघु फीड मिल (क्षमता 2 टन प्रतिदिन) PMMSY

Feed mill (2 Ton)

Fish Feed Plant Production Process

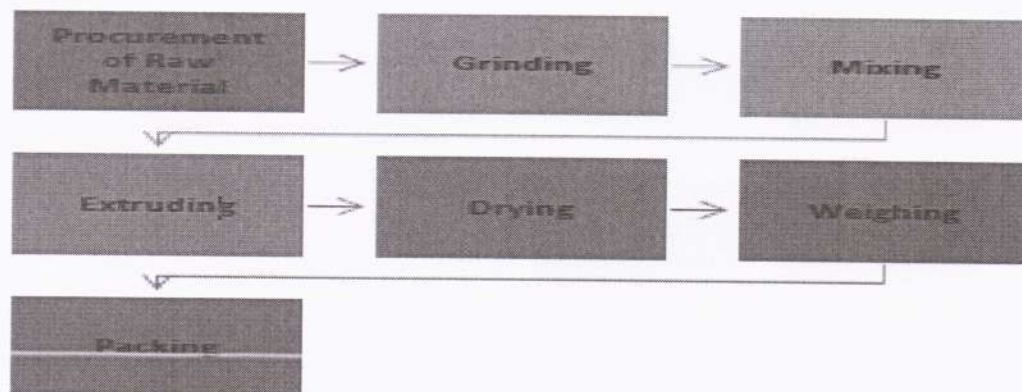


| PARTICULAR |
|--|
| COST OF LAND DEVELOPMENT & CONSTRUCTION EXPENSES |
| Cost of construction on approx 1000 SQFT @ Rs. 700/- per SQFT |
| PLANTS & MACHINERIES |
| FISH FEED PLANT ALONG ELECTRICAL FITTINGS |
| COURSE MILL (100 KG/H) |
| MIXER MACHINE (100 KG/H) |
| PRE CONDITIONER (300 KG/H) / |
| SINGLESCREW EXTRUDER (100 KG/H) |
| COOLING CONVAIR (100 KG/H) |
| INSTALLATION CHARGES |
| Electrical connection, transformer (100 KW) and wiring |
| Generator (25 KVA) |
| Borewell, pump and plumbing |
| Office Space |
| Internal Roads |
| Accessories - ELECRICAL SCALE BAG SCALE MACHINE |
| ANGEL GRINDER TOOLS, SPARE DIE, CUTTER ETC. |
| PACKING SECTION |
| Miscellaneous Expenses (Installation, Electrical Fittings etc) |

Feed mill (8 Ton)

Name of scheme: मध्यम फीड मिल (क्षमता 8 टन प्रतिदिन) PMMSY

Fish Feed Plant Production Process

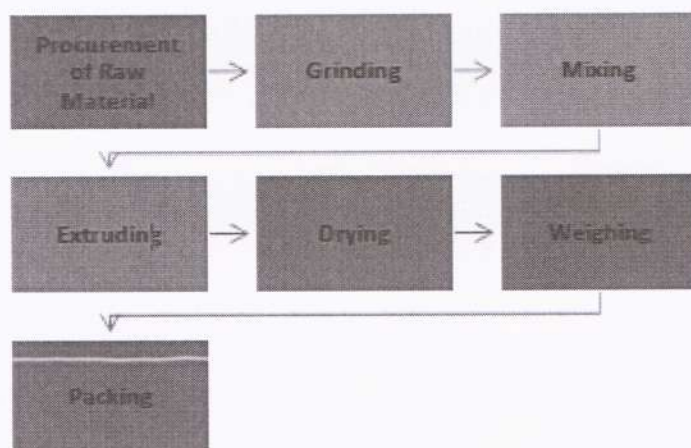


| Particulars |
|---|
| Cost of construction on approx 4000 SQFT @ Rs. 700/- per SQFT |
| COURSE MILL (500 KG/H) |
| PADDLE MIXER MACHINE (150 KG/H) |
| FEEDING CONVEYER (600 KG/H) |
| TWIN SCREW EXTRUDER (500 KG/H) |
| AIR CONVEYOR (500 KG/H) |
| THREE LAYER DRYER |
| COOLING CONVEYER (500 KG/H) |
| MCC PANEL FOR ELECTRICAL |
| INSTALLATION CHARGES |
| Electrical connection, transformer (175 KW) and wiring |
| Generator (100 KVA) |
| Borewell, pump and plumbing |
| Office Space |
| Internal Roads |
| MISCELLANEOUS ACCESSORIES |
| (A) ELECTRICAL SCALE |
| (B) BAG SCALE MACHINE |
| (C) ANGEL GRINDER |
| (D) TOOLS |
| (E) SPARE DIE, CUTTER ETC. |
| MAGNETS |
| PACKING SECTION |

Feed mill (20 Ton)

Name of scheme: वृहद फीड मिल (क्षमता 20 टन प्रतिदिन) PMMSY

Fish Feed Plant Production Process



| 20 Tons |
|--|
| Cost of construction on Approx. 10000 SQFT @ Rs. 700/- Per SQFT |
| Course Mill (1000 Kg/H) |
| Paddle Mixer (250 Kg/H) |
| Feeding Conveyer (1200 Kg/H) |
| Feeding Conveyer (1200 Kg/H) |
| Feeding Conveyer (1200 Kg/H) |
| Pre-Conditioner (1200 Kg/H) / Twin Screw Extruder (1000 Kg/H) |
| Air Conveyor (1000 Kg/H) |
| Three Layer Dryer (1000 Kg/H) |
| Cooling Convoir (1300 Kg/H) |
| Mcc Panel For Electrical |
| Steel, Hardware Items & Installation Charges |
| Electrical Connection, Transformer (300 KW) And Wiring |
| Generator (150 KVA) |
| Borewell, Pump And Plumbing |
| Office Space |
| Internal Roads |
| Miscellaneous Accessories Electrical Scale Bag Scale Machine Angel Grinder Tools Spare Die, Cutter Etc. Magnets |
| Packing Section |
| Steam Boiler |

Components under category: - 4(i) Soil and water testing/ Fish production/seed producer kit

Name of scheme: NA

| Sl.no | Items | Net Quantity |
|-------|---|--------------|
| 1 | Digital pH meter, Dissolved Oxygen testing kit, Ammonia testing kit, Alkalinity testing kit, Digital thermometer, Secchi disk, Chemicals for testing of other parameters like – Hydrogen sulfide, sulfur dioxide, CO ₂ , iron, hardness. | 1 |

Fish Production Kit -

| Sl. No | Item |
|--------|------------------------------------|
| 01 | Hand net-(1 Nos) |
| 02 | PH Paper - (2 Packet) |
| 03 | Plankton net- (1 Nos) |
| 04 | Agrimine [Mineral mixture]- (5 kg) |
| 05 | Probiotic - (1 Kg) |
| 06 | O ₂ tablet - (1 Kg) |
| 07 | Sechhi disc- (1 Nos) |
| 08 | Pond sanitizer [Zeolite]- (10 kg) |

Fish Seed Producer Kit-

| Sl. No | Item |
|--------|-----------------------------------|
| 01 | Fry catching net- 50'x15' (1 Nos) |
| 02 | Hapa- 7'x4' (1 Nos) |
| 03 | Pan balance with batkhara (1 Nos) |
| 04 | Floating feed for fry (20 kg) |

Components under category: - 4(v) Pen culture set up/RFF)**Name of scheme: जलाशय मात्स्यिकी विकास की योजना**1500 – 2000m² net is required for one unit RFF / Pen.**A. Fixed Cost**

| Sr. | Particulars |
|-----|--|
| 1. | <u>Specifications:</u> 200X5 net (45ply Nylon, 210D, 24mm Mesh size, virgin, knotted) (Cost of 40X5 net is 61500 Rs.) |
| 2. | <u>Other</u> Installation, Cross G.I Pipe & Drum & R.C.C sinker, P.V.C Rope etc. |

B. Recurring Cost

| Sr. | Particulars |
|-----|---|
| 1 | Cost of seed (Advance Fingerling) stocking@5000 /Acre for 5 Acres @ Rs 3/Pieces = 25000 X 3.00 |
| 2 | Cost of Feed – 6 tons/unit @ 30/kg |
| 3 | Cost of Labour, fuel, liming, etc. L.S. |
| 4 | Miscellaneous Expenditure |

C. Cost Benefit of RFF / Pen

| | |
|---|--|
| 1 | Recurring Cost |
| 2 | Fish Production (IMC) @3000 Kg/Ha for 2 Ha. |

Components under category: - 4(vi) Cage culture setup

Name of scheme: जलाशय मात्स्यिकी विकास की योजना

(1 Battery- 4 Cages) 1 cage - 6mX4mX4m

| S. no. | Items | Quantities |
|--------|--|---|
| A) | <u>Non-recurring (Cost of Cage Fabrication and Installation) Expenditure</u> | |
| 1. | <p>Frame of Floating Cage: Made of Modular HMW HDPE Cover Plate type Docks joint together with Nylon Nuts and Bolts.</p> <ul style="list-style-type: none"> • Shape& Size: Rectangular and size is 6m x 4m x 4m. • Structure: Frame with high load bearing capacity of 350kg/m² , made from Floating Docks having Cover Plate 15mm thickness. The plate is fixed with SS Nut bolt. Dimension: 500mm × 500mm × 400mm (L x W x H) having interlocking male female curved sides for additional safety through inter locking. • Lug thickness 22mm. • Weight of each Cube: min. 7 kg to 8.5Kg. • Colour: Combination of Blue & Orange. • Material: High Molecular Weight (HMW) HDPE Modular Docks fitted with non-metallic/nylon Nuts & Bolts. • Walking Surface is provided with Chequered Finish for Anti -Skid property. • The cage frame is provided with undercover grooves setting up of ropes for tying the fish nets etc. • Must have provision of Handrails and Cage Net Loops for easy Installation • The frame is provided with the provision of altering the size in the multiples of 0.5meter. • The frame or its corners are free from welding of any type. • The Battery of Cages is provided with an integrated design as per layout enclosed. • Walk way: 0.50 m wide along the sides. • Walk way: 100 cm in the middle line. | Battery of 4 cages |
| 2. | <p>Hand Rails: The Cage Frame is fitted with 1'GI Hand Rails of 1m height and lined with dual layer of PP ropes of 20mm diameter to enhance the safety of the User and it also serves as an additional support while walking. The Hand Rail posts are to be fitted at every 2m. The Handrails have suitable arrangement to be fixed on the center pin and it will be ensured that the hand rails do not become loose over the period of time.</p> | Around every cage and outer perimeter of cage battery |
| 3. | <p>ANCHORING PROVISION: Weights of 50 kilos provided for suspension on diagonally opposite sides of Frame with 20 mm Diameter PP Rope. We shall put the anchoring as per site requirements and the weight may go up beyond the said figure.</p> | As per site requirement |
| 4. | <p>CAGE GROW OUT NET: Size: 6Mtr. x 4 Mtr. Depth :4.0 Mtr Bottom: Closed Flat. Material: HDPE Knotless Black 250D/27ply/30mm full mesh, UV Stabilized. Cage Net Top is provided with lined with 10 mm PP Rope with 8 loops of 10 mm Thickness & 1.5inch Diameter at 8 places at equal distance. Same 8 places are lined from top to bottom with 10 mm PP Rope and connection at bottom middle.</p> | 03 |

| | | |
|----|--|----|
| | <p>Bottom is flat closed with same webbing. Fitted with feed screen of 0.5mwidth at the top.</p> <p>FINGERLING NET: Material: HDPE Knotless Black 90D/12ply/12mm full mesh, UV Stabilized. Cage Net Top is provided with lined with 10 mm PP Rope with 8 loops of 10 mm Thickness & 1.5inch Diameter at 8 places at equal distance. Same 8 places are lined from top to bottom with 10 mm PP Rope and connection at bottom middle. Bottom is flat closed with same webbing. Fitted with feed screen of 0.5mwidth at the top. Size: 6Mtr. x 4 Mtr. Depth :4.0 Mtr Bottom: Closed Flat.</p> | 01 |
| 5. | <p>BIRD PROTECTION NET: Shape: Rectangular Size:6Mtr. X4 Mtr. Material Specification: HDPE Twine 280D/8ply/50mmkk full mesh, UV Stabilized. The net is lined with 12mm along the periphery. The net is provided with necessary loops to ensure proper tying on the four corners.</p> | 04 |
| 6. | <p>CAGE OUTER PREDATOR NET: Shape: Rectangular Size: as per layout. (To wrap all around the battery of 10 cages) Depth :3 Mtr Bottom: Closed Flat Material Specification: HDPE Twine 280D/18ply/50mm full mesh, UV Stabilized.</p> | 01 |
| 7. | <p>Life Jackets Good quality life jacket for fishermen & visitors shall be provided. SIZE CHEST:- 30" - 56" chest LENGTH:- 26" CAPACITY:- UP TO 100-120 KG Made as per SOLAS/IRS/MMD standard FABRIC:- florescent orange colour coated FOAM:- soft polyethylene foam BUCKLE WITH REFLECTIVE TAPE:- Fitted with three buckle with adjustable belt Whistle attached with a lynyard Reflective tape 4nos. CERTIFICATE:- ISO & CE</p> | 04 |
| 8. | <p>Wooden Boat Length: 18', Breadth: 5', Height: 1.5', Takhti: 1' (base), Other Takthti- ¾' (Wood Material: 30% Sal Wood and 70% Jamun approx.)</p> | 01 |

Components under category: - 4(vii) Bio-floc setup

Name of scheme: जलाशय मात्स्यिकी विकास की योजना

A) 7 TANK BIOFLOC

| Component | Details |
|-------------------------------------|----------------------------------|
| Areas of Seven Tanks | 7 Tanks * $30M^3 = 210 M^3$ |
| Bio-floc Tank Size | Diameter = 4 M, & Height = 1.5 M |
| Water Holding Capacity of each Tank | 15,000 Ltr |

| | |
|---------------------------------------|---|
| Water quality Parameter | Dissolved oxygen-5mg/l, Temperature-26-34 degrees, PH-7.5 to 8, TDS-600ppm, Floc Density- 25-40 mg/l, Ammonia-0.5 ppm, Nitrite-0.3 ppm, Nitrate-150 ppm, Alkalinity-120-280 ppm |
| Materials of Tanks | Tarpaulin / Fibre |
| Stocking Density | 150 Nos per M^3 (1500 Seeds per 15,000 Ltr Tank) |
| Name of Species Suitable | Tilapia , Common carp, Singhi, Magur, Pabda, anabus , Rohu , Milk fish , Vannamei, Tiger shirmp and Pangasius |
| Bio-Floc Content | Raw Salt, Dolomite, Molasis, Probiotics |
| Survival % | 80 % |
| Type of Feed to be used | Floating Feed (28 – 32 % Protein) |
| % of Feed | 2 -3 % per average body weight |
| Feeding Frequency | 4 times in early stage, Later 02 times in a day |
| FCR | 1 : 1.2 |
| Duration of Culture | 06 Months |
| Size / weight of the species in grams | 600 Gram per |
| Numbers of crop per year | 2 (Two) crops per year |
| Production | 8400.00 Kgs |
| Farm Gate Price (Per Kgs) | Rs. 100.00 |

(B) Establishment of Biofloc Culture System with 25 Tanks

| | |
|-------------------------------------|---|
| Areas of 25 Tanks | 25 Tanks (25X4MX4M) = 400 M ² |
| Bio-floc Tank Size | Diameter = 4 M, & Height = 1.5 M |
| Water Holding Capacity of each Tank | 15,000 Ltr |
| Water quality Parameter | Dissolved oxygen-5mg/l, Temperature-26-34 degrees, PH-7.5 to 8, TDS-600ppm, Floc Density- 25-40 mg/l, Ammonia-0.5 ppm, Nitrite-0.3 ppm, Nitrate-150 ppm, Alkalinity-120-280 ppm |

| | |
|---------------------------------------|---|
| Materials of Tanks | Tarpaulin / Fibre |
| Stocking Density | 70 (approx) Nos per M ³ (1000 Seeds per 15,000 Ltr Tank) |
| Name of Species Suitable | Tilapia , Common carp, Singhi, Magur, Pabda, anabus , Rohu , Milk fish , Vannamei, Tiger shirmp and Pangasius |
| Bio-Floc Content | Raw Salt, Dolomite, Molassis, Probiotics |
| Survival % | 90 % |
| Type of Feed to be used | Floating Feed (24 – 28 % Protein) |
| % of Feed | 2 -3 % per average body weight |
| Feeding Frequency | 4 times in early stage, Later 02 times in a day |
| FCR | 1 : 1 |
| Duration of Culture | 06 Months |
| Size / weight of the species in grams | 500 Gram per |
| Numbers of crop per year | 2 (Two) crops per year |
| Production per annum | 22000.00 Kgs |
| Farm Gate Price (Per Kgs) | 110.00 |

(B) Establishment of Biofloc Culture System with 50 Tanks

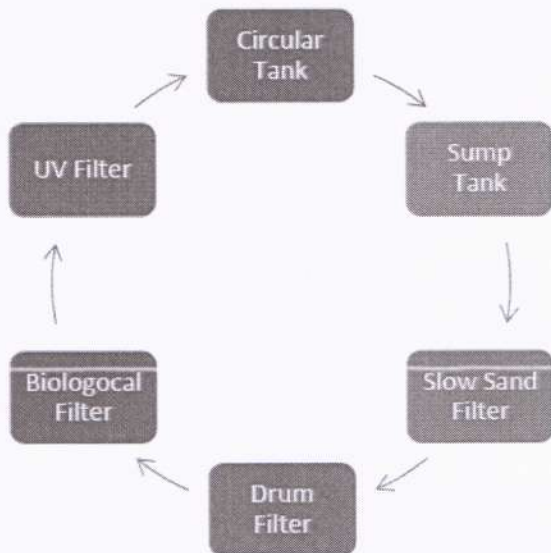
| | |
|-------------------------------------|--|
| Areas of 50 Tanks | 50 Tanks (50 X 4 M X 4 M) = 800 M ² |
| Bio-floc Tank Size | Diameter = 4 M, & Height = 1.5 M |
| Water Holding Capacity of each Tank | 15,000 Ltr |
| Water quality Parameter | Dissolved oxygen-5mg/l, Temperature-26-34 |

| | |
|--|---|
| | degrees, PH-7.5 to 8, TDS-600ppm, Floc Density- 25-40 mg/l, Ammonia-0.5 ppm, Nitrite-0.3 ppm, Nitrate-150 ppm, Alkalinity-120-280 ppm |
| Materials of Tanks | Tarpaulin / Fibre/Pucca Structure |
| Stocking Density | 65 (approx.) Nos per M ³ (1000 Seeds per 15,000 Ltr Tank) |
| Bio-Floc Content | Raw Salt, Dolomite, Molasses, Probiotics |
| Survival % | 90 % |
| Type of Feed to be used | Floating Feed (24 – 28 % Protein) |
| % of Feed | 2 -3 % per average body weight |
| Feeding Frequency | 4 times in early stage, Later 02 times in a day |
| FCR | 1: 1.06 |
| Duration of Culture | 06 Months |
| Size / weight of the species in grams at the time of harvest | 500 Gram per |
| Numbers of crop per year | 2 (Two) crops per year |
| Production | 45000.00 Kgs |
| Farm Gate Price (Per Kgs) | 110.00 |

Components under category: - 4(viii) RAS setup

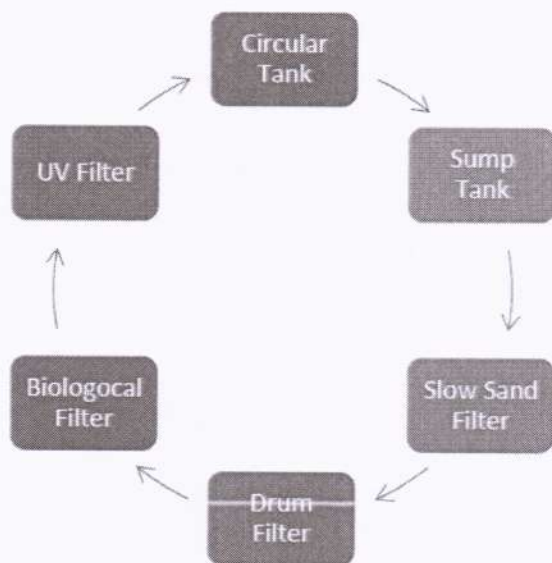
Name of scheme: NA

Establishment of Small RAS: With 1 tank of 100m³ capacity



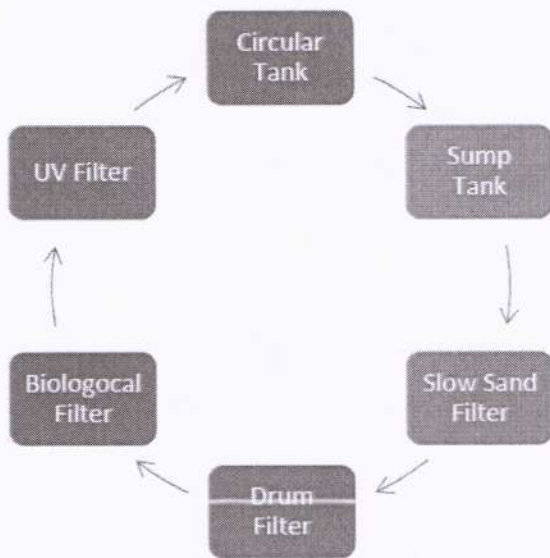
- **Civil Work:** Construction of Shed, 01 Culture Tank, 01 Sump Tank & construction related to other accessories & boring pump.
- **Setting of Filters & other Accessories:** Setting of the all filters like slow sand filter, Drum filter, Biological filter & UV filter.
- **Circular Tank:** One unit of circular tank is processed with the dimension of 5M* 6 M * 1.5 M(W*L*H) with the capacity of 100 cubic meter. The building material needs brick; cement, sand etc. are locally available.
- **Sump Tank:** One unit of sump tank will be used for the settlement of big suspended particles available in the water coming from circular tank. Big suspended water will be settled in the bottom of this tank.
- **Slow Sand Filter:** One unit of slow sand filter will be used for the filtration of medium size particles left over in the water coming from sump tank.
- **Drum Filter:** One unit of drum filter will be used for the filtration of small sized particles coming left in the water coming from slow sand filter.
- **Biological Filter:** One unit of biological filter will be used for removing the obnoxious gases like ammonia, H₂S etc. available in the water coming from drum filter.
- **UV Filter:** One unit of UV filter will be used to disinfect the bacterial population of harmful bacteria available in the water coming from biological filter.

Establishment of Medium RAS: With 6 tanks of minimum 60m³/tank



- **Civil Work:** Construction of Shed, 06 Culture Tanks of 30 cubic meter capacity of each tank, 01 Sump Tanks & construction related to other accessories & boring pump.
- **Setting of Filters & other Accessories:** Setting of the all filters like slow sand filter, Drum filter, Biological filter & UV filter.
- **Total area required for the project** – 8,000 sq ft (approx.)
- **Circular Tank:** Six unit of circular tank is processed with the dimension of (8 M diameter, 1.5 M height) with the capacity of 60 cubic meter. The building material needs brick; cement, sand etc. are locally available. Volume of the Tank = $\pi r^2 h = 3.14 \times 4 \text{ M} \times 4 \text{ M} \times 1.2 = 60.2$ cubic meter (say 60 cubic meter)
- **Sump Tank:** One unit of sump tank will be used for the settlement of big suspended particles available in the water coming from circular tank. Big suspended water will be settle in the bottom of this tank.
- **Slow Sand Filter:** One unit of slow sand filter will be used for the filtration of medium size particles left over in the water coming from sump tank.
- **Drum Filter:** One unit of drum filter will be used for the filtration of small sized particles coming left in the water coming from slow sand filter.
- **Biological Filter:** One unit of biological filter will be used for removing the obnoxious gases like ammonia, H₂S etc. available in the water coming from drum filter.
- **UV Filter:** One unit of UV filter will be used to disinfect the bacterial population of harmful bacteria available in the water coming from biological filter.

Establishment of Large RAS: With 08 tanks of minimum 90 m³/tank



- **Civil Work:** Construction of Shed, 08 circular culture Tanks, 01 Sump Tank & construction related to other accessories & boring pump.
- **Setting of Filters & other Accessories:** Setting of the all filters like slow sand filter, Drum filter, Biological filter & UV filter.
- **Total area required for the project:** 14,000 sq. ft (approx.)
- **Circular Tank:** Eight unit of circular tank is processed with the dimension of 10 M diameter and 1.5 M high with the capacity of 90 cubic meter. The building material needs brick; cement, sand etc. are locally available. Volume of the Tank = $\pi r^2 h = 3.14 \times 5\text{M} \times 5\text{M} \times 1.2 = 94.2$ cubic meter (say 90 cubic meter).
- **Sump Tank:** One unit of sump tank will be used for the settlement of big suspended particles available in the water coming from circular tank. Big suspended water will be settled in the bottom of this tank.
- **Slow Sand Filter:** One unit of slow sand filter will be used for the filtration of medium size particles left over in the water coming from sump tank.
- **Drum Filter:** One unit of drum filter will be used for the filtration of small sized particles coming left in the water coming from slow sand filter.
- **Biological Filter:** One unit of biological filter will be used for removing the obnoxious gases like ammonia, H₂S etc. available in the water coming from drum filter.
- **UV Filter:** One unit of UV filter will be used to disinfect the bacterial population of harmful bacteria available in the water coming from biological filter.

Components under category: - 4(x) Fish vendors marketing kit/ Matsya shikarmahi kit

Name of scheme: मत्स्य विपणन किट योजना

(क) Urban Fish Vendor (शहरी मत्स्य विक्रेता) :-

| क्र० | अवयव | संख्या |
|------|--|--------|
| 1. | छतरी (फोल्डेबल) (06' व्यास) | 1 |
| 2. | स्टेनलेस स्टील कटर | 1 |
| 3. | स्टेनलेस स्टील स्क्रबर | 1 |
| 4. | तराजू एवं बटखारा | 1 |
| 5. | तारपोलिन शीट प्लेटफार्म (6'x4') | 1 |
| 6. | प्लास्टिक बाल्टी/मग | 1 |
| 7. | 4' व्यास 1.5' गहरा जी०पी० (प्लास्टिक/फाइबर) शीट टब | 1 |
| 8. | एरेटर मशीन | 2 |
| 9. | इनसुलेटेड बॉक्स क्षमता (120 कि०ग्रा०) | 1 |
| 10. | डी०सी० एल०ई०डी० बल्बयुक्त लैम्प (12 वाट) | 2 |
| 11. | प्लास्टिक क्रेट | 4 |
| 12. | प्लास्टिक वेस्ट बीन (कचड़ा डिब्बा) | 2 |
| 13. | एप्रॉन | 2 |
| 14. | ग्लब्स/मास्क | 2 सेट |
| 15. | कैप | 2 |
| 16. | मनी बैग | 1 |

नोट:- नगर निगम, नगर परिषद् एवं नगर पंचायत को शहरी क्षेत्र माना जाएगा | उपरोक्त सभी को छोड़कर बाकी सभी ग्रामीण क्षेत्र माने जाएंगे |

(ख) Rural Fish Vendor (ग्रामीण मत्स्य विक्रेता) :-

| क्र० | अवयव | संख्या |
|------|--------------------------------------|--------|
| 1. | छतरी (फोल्डेबल) (06' व्यास) | 1 |
| 2. | फेंका जाल | 1 |
| 3. | स्टेनलेस स्टील कटर | 1 |
| 4. | स्टेनलेस स्टील स्क्रबर | 1 |
| 5. | तराजू एवं बटखारा | 1 |
| 6. | प्लास्टिक बाल्टी/मग | 1 |
| 7. | प्लास्टिक क्रेट | 2 |
| 8. | प्लास्टिक वेस्ट बीन (कचड़ा डिब्बा) | 2 |
| 9. | इनसुलेटेड बॉक्स क्षमता (60 कि०ग्रा०) | 1 |
| 10. | फोल्डेबल टारपोलिन शीट (6'x4') | 1 |
| 11. | चार्जबल लाईट | 1 |
| 12. | एप्रॉन | 2 |
| 13. | ग्लव्स/मास्क | 2 सेट |
| 14. | कैप | 2 |
| 15. | मनी बैग | 1 |

नोट:- नगर निगम, नगर परिषद् एवं नगर पंचायत को शहरी क्षेत्र माना जाएगा | उपरोक्त सभी को छोड़कर बाकी सभी ग्रामीण क्षेत्र माने जाएंगे |

(ग) मत्स्य शिकारमाही एवं मत्स्य विपणन किट योजना

| क्र० | अवयव | Specification (विशेष विवरण) | इकाई |
|------|---|---|------|
| 1 | 2 | 3 | 4 |
| 1 | फेंका जाल | Height - 11 feet Circumference - 21 feet Sinkers - 6kg, Mesh Size - 1.25" (Inch) | 01 |
| 2 | हांडी (एल्युमीनियम) बड़ा | 25 लीटर | 01 |
| 3 | तराजू (इलेक्ट्रिक) | 15 कि०ग्रा० तक क्षमता | 01 |
| 4 | इनसुलेटेड आईस-बॉक्स | 25 लीटर क्षमता | 01 |
| 5 | गिल नेट/फांसा जाल मेस साईज 04cm से ऊपर | 1 कि०ग्रा० तक | 01 |