



MEGHALAYA STATE FISH FARMER DEVELOPMENT AGENCY

NOTICE

Applications are hereby invited from individuals, progressive Fish Farmers/Self Help Groups/Fish Farmer Co-operative Societies/Entrepreneurs/etc. from the State of Meghalaya having a minimum farm area of 1 (one) hectare, for the establishment of 20 (twenty) Fabricated Reinforcement Plastic (FRP) Hatcheries to be assisted under the Meghalaya State Aquaculture Mission (Mini Mission – II) during 2012 – 13. The farm area of 1 (one) hectare will include nursery ponds, rearing ponds, stocking tanks, broodstock tanks, godown and FRP hatchery. The scheme is meant for enhancing the fish seed production in the state and the details of the required critical infrastructure are elaborated under the Mini Mission - II of the Aquaculture Mission document. Each FRP will have the production capacity of 30 lakh Spawn which will give about 10 lakh fingerlings.

The scheme will be implemented based on the unit cost of CIFA, Bhubaneswar, including other components which will be procured locally at a unit cost of ₹ 1,58,025/- say ₹ 1,58,000 per hatchery, of which subsidy will be 60% i.e. ₹ 94,800 25% will be credit linkage with MCAB, i.e. ₹ 39,500 and 15% own contribution of the partners, i.e. ₹ 23,700 .Transportation cost from CIFA Bhubaneswar to either Shillong or Tura including other components to be purchased locally will be borne by the Department. Applicants must have the financial capacity to bear 15% of the project cost, as also the capacity to make investment for other minor infrastructure and inputs, including cost of delivery of the consignment to the respective farms as the case may be, depending upon the location.

The application forms will be available at the offices of the Superintendents of Fisheries-cum-District Executive Officers/Sub-Divisional Fishery Officers-cum-Sub-Divisional Executive Officers on any working day and the last date for submission of the filled-in forms along with all the required documents is 10th August 2012. The application form, the detailed norms of the scheme, process chart for the implementation of the scheme, a concept note on the design of Carp Hatchery, can be also downloaded free of cost from the website www.meghalaya.nic.in. The Meghalaya State Aquaculture Mission document also can be downloaded from the same website.

Director of Fisheries-cum-
Chief Executive Officer, FFDA,
Meghalaya, Shillong



MEGHALAYA STATE FISH FARMER DEVELOPMENT AGENCY

JINGPYNBNA

La khot sngew bha ia ki riew shimet/ki nongri dohkha ba la kham shemphang/Self-Help group/Co-operative societies jong ki nongri dohkha/ Entrepreneurs etc na ka jylla Meghalaya kiba don jaka ri dohkha kumba 1(shi) hectare ban apply ban shna ia 20(arphew) tylli ki Fabricated re-inforcement plastic (FRP) Hatcheries hapoh ka jingiarap ka Meghalaya State Aquaculture Mission (Mini Mission-II) ha ka snem 2012-13. Ka jaka ba shi hectare kan don lang ki pung buh dohkha symbai, pung ban pynheh pynsan ia ki kha-rit, pung ban buh iaki dohkha bala kham heh, pung ban pynkha pylleng dohkha, ka kudam bad FRP hatchery. Ka jingthmu jong kane ka scheme ka long ban pynheh pynkiew ka rukom pynmih symbai dohkha haka jylla bad ki jingtip ba bniah lah ban ioh naka Mini Mission –II jong ka kot Aquaculture Mission. Kawei kawei ka FRP kan lah ban pynmih kumba 30 lakh ki pylleng kiba lah pat ban pynmih pat shiphew lak ki kha-symbai.

Yn pyntreikam ia kane ka scheme haka dor ba la buh daka CIFA, Bhubaneswar, ryngkat bad kiwei kiwei ki jingdonkam kiba lah ban ioh napoh jylla haka dor ₹ 1,58,025/- ne khein kyllum ₹ 1,58,000/- kawei, ka hatchery(pung pynkha symbai ha ka ba 60% kan long ka jingai jingiarap (subsidy) kata ₹ 94,800/-, 25% kan long ka ram ban iateh bad ka MCAB kaba mut ` 39,500/- bad 15% kan dei ka pisa nalade (jong u/ki nong apply) kaba mut ₹ 23,700/-. Ka jinglut ban pynpoi na CIFA Bhubaneswar ha Shillong lane ha Tura bad kiwei ki jingdomkam kiba lah ban ioh napoh ka jylla yn bei daka Department. Ki nong apply ki dei ban don ka bor ban bei kumba 15% na ka jinglut baroh kumjuh ruh ki dei ban long kiba kotbor ban bei pisa na ka bynta ka jingtrei bad ka jingdonkam kiba rit khynthup ruh ban siew ia ka jinglut ka ba iadei ha kaban pynpoi ia ki tiar ki tar sha ki jaka ba lamang.

Ia ki application forms lah ban ioh naki Ophis jong ki Superintendent of Fisheries cum District Executive Officer/ Sub-Divisional Fishery Officer cum Sub-Divisional Executive Officer ha kano kano ka sngi long trei bad ka tarik ba khatduh ban pynpoi ia ki form bala pyndap ryngkat bad ki kot ki sla ba donkam kan long ha ka 10th August, 2012. Ia ki application form bad jingtip ba kham bniah jong ka Scheme, ka rukom pyntreikam iaka scheme bad ka jingbatai kyllum halor ka carp Hatchery lah ban ioh (download) khlem da siew eiei na ka website www.Meghalaya.nic.in. Ia ka kot Meghalaya State Aquaculture Mission ruh lah ban ioh (download) na kajuha ka website.

Director of Fisheries- cum-
Chief Executive Officer, FFDA
Meghalaya, Shillong



MEGHALAYA STATE FISH FARMER'S DEVELOPMENT AGENCY

Ui'atani

Meghalaya state ni pilak manderang/Self Help Group/Fish Farmer Co-operative Society/Entrepreneur rangna jemangon a'a 1 Ha donga, uamangoniko dorgastorangko am'atenga. Ge 20 (kolgrik) Fabricated Reinforcement Plastic (FRP) ko Meghalaya State Aquaculture Mission (Mini Mission II) 2012-13 ni dakchakanichi on'na jakkalgen. 1 ha ong'gipa a'ao, na'bisarangko jilchakram, dal'kalgipa na'tokrangko jilani, dal'gipa na'tokrangko jilani, bitchi chi'atani pokkri, godown aro FRP hatchery rangko dakna jakkalgen. Ia scheme ara na'tok bitchirangko state o bang'bate man'dapna dakani ong'a aro chu'gimik mongsonggipa kam ka'ao nangani ko Aquaculture Mission document ni Mini Mission-II o talate on'aha. Ge'prak FRPan lakh 30 bitchirangko ong'atna ama jean lakh 10 na'bisarangko ong'atgen.

Ia schemeko CIFA, Bhubaneswarni unit damo pangchake dakgen, gipin bosturangkoba man'chapgen, jekai ianoniko brenagita man'gen, jeni dam ₹ 1,58,025/- hatchery prak o ₹ 1,58,000/- ong'ode subsidy ra 60%. jean ₹ 94,800/- ong'gen, 25% kode MCAB oniko ra'chakna man'gen jean ₹ 39,500/- aro 15% kode iako dakgiparang an'tangtang on'pagen jean ₹ 23,700 ong'a. CIFA, Bhubaneswar oni Shillong ba Tura ona ra'baani koros baksa ianoniko bosturangko breani koros kode Department an on'gen. Dorgasto ko gal'giparang an'tangtangan kam ka'ani koros 15% kode on'a man'a nanggen, una agreba gipin chongipa kam ka'ao nanggni bosturang, biapona bosturangko ra'angani koroskoba biapni kri an'tangtang dakna nanggen.

Dorgasto formrangko Superintendent of Fisheries-cum-District Executive Officers/Sub Divisional Fishery Officers-cum-Sub Divisional Executive Officers niko office somoio man'gen aro gapatgimin formrangko nanggipa documentrang baksa ra'chaksoani bon'kamgipa tarikara 10th August 2012 ong'a. Dorgasto form, scheme ni dongimin niam, scheme ko chalaianiko mesokani chart, na'tok ni hatchery ko tariani gimin ma'sina kan'dike seanirangko website www.meghalaya.nic.in oniko indin download ka'na mangel. Meghalaya State Aquaculture Mission ni document koba apan website oniko download ka'na man'gen.

Director of Fisheries-cum-
Chief Executive Officer, FFDA
Meghalaya, Shillong



MEGHALAYA STATE AQUACULTURE MISSION

APPLICATION FORM FOR ESTABLISHMENT OF FABRICATED REINFORCED PLASTIC (FRP) HATCHERY

1. Name and Address of the Applicant :

i) Phone No. :

ii) Fax :

iii) E-mail ID :

**2. Educational qualification and
Experience of the Applicant :**

3. Category

Progressive Fish Farmers/Self-Help Groups/
Fish Farmer Co-operative Societies/
Entrepreneurs/others/etc. :

4. Location of the site where FRP will be set up :

i) District :

ii) C & RD Block :

iii) Village :

iv) Police Station :

v) Any other information :

5. Farm Details

i) Total Land Area (ha) :

ii) Total water area (ha) :

a) Rearing space/ Broodstock
Ponds (No./area) if existing :

b) Nursery Ponds (No./area) if existing :

c) Rearing Ponds (No./area) if existing :

6. Is the Farm located in flood prone area?:
7. Source of water : Perennial/Seasonal
8. Source of energy (Electric/Diesel or any other) :
9. Details of bank loans previously availed/outstanding :

Year	Bank	Loan availed	Outstanding	When will it be cleared?

Date:

Signature of Applicant

Documents to be enclosed

- 1) Identity proof of the Applicant.
- 2) Land ownership documents.
- 3) Layout of the farm.
- 4) Copy of commercial registration, if any.
- 5) Necessary permission for water source, if farm depends on external resources.
- 6) No Objection Certificate from the Local Headman/Nokmas/Sirdars etc.



MEGHALAYA STATE AQUACULTURE MISSION

ESTABLISHMENT OF FABRICATED REINFORCED PLASTIC (FRP) IN PRIVATE SECTOR

**To be implemented under the Meghalaya State Aquaculture Mission (MSAM) 2012-13,
Mini Mission – II**

Norms of the scheme:

1. The minimum farm area eligible for financial assistance shall be 1(one) hectare. The farm area of 1(one) hectare shall include nursery ponds, rearing ponds, stocking tanks, brood-stock tanks, godown, installation FRP hatchery, etc.
2. Financial assistance under the scheme is at a unit cost of ₹ 1,58,000/- each, of which subsidy will be 60% i.e. ₹ 94,800/-, 25% credit linkage with MCAB/ Other banks financing the project i.e. ₹ 39,500/- and 15% own contribution of the farmer partner i.e. ₹ 23,700/-.
3. The unit cost of ₹ 1, 58,000/- is exclusively for the cost of 1 (one) unit of FRP to be procured from CIFA, Bhubaneswar including the cost of 1 (one) 8 H.P pump set, 1 (one) overhead tank to be arranged locally by the Department.
4. The financial assistance / loan will be in the form of medium term loan with repayment period of 5 years including gestation period of 1 year i.e. the entire amount of the loan will have to be repaid in 4 equal yearly installments. The interest on the loan will have to be repaid as per the norms of the sanctioning bank.
5. Each FRP will have the production capacity of 30 lakh Spawn annually i.e.4-5 cycle operations which will give about 10 lakhs fingerlings annually.
6. The applicants should have the financial capacity to bear 15% of the actual cost of the FRP and other expenditure involved on the creation of nursery, rearing, stocking tanks.
7. FRP from CIFA Bhubaneswar including pump sets, overhead tank to be purchase locally by the department will be delivered to Shillong and Tura. Transportation cost in this respect will be borne by the Department. The delivery cost from either Shillong or Tura up to the respective sites will be separately borne by the beneficiaries.
8. On being selected the entrepreneurs will have to deposit the 15% own contribution to MCAB and the Department will indent the FRP from CIFA, Bhubaneswar who would also be called to assist the entrepreneurs for installation, if necessary.
9. An installation cost of FRP is to be borne by the entrepreneurs concerned.

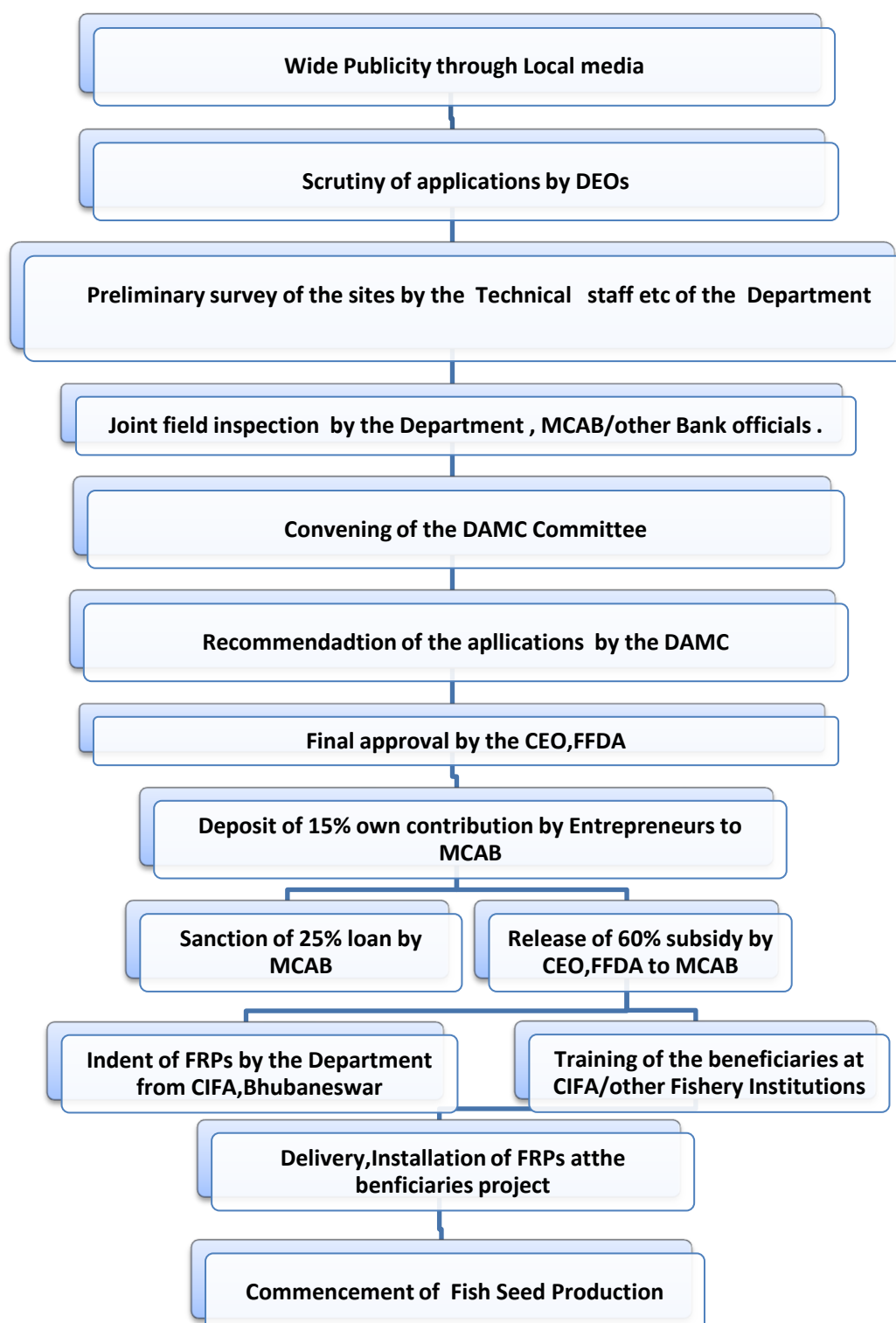
Implementation process:

1. Wide publicity for the scheme will be given in the local media, both print and electronic, for the benefit of all the eligible and progressive Fish Farmers/ Self Help Groups/Fish Farmer Co-operative Societies/Entrepreneurs etc of the state. The Fish farmers Co-operative Societies should submit the application through the Assistant Registrar of Co-operative Societies of the respective districts
2. The respective DEOs/S.Fs. will then scrutinize the applications, assess the validity of the ownership of the applicants, documents, etc. including financial capacity of the applicants to make 15% own contribution on the cost of FRP and also to undertake other required infrastructure.
3. Preliminary survey of the site will be carried out by the Technical Staff/Programme Managers of the FFDA, as the case may be, and they will submit reports on the feasibility/non-feasibility of each site, to the respective District Executive Officers.
4. The DEOs will then organize joint inspection and verification with the MCAB/ Other banks officials before placing the list of probable beneficiaries in the District Aquaculture Mission Committee, headed by the Deputy Commissioners of the respective districts.
5. The Member Secretary will convene the Committee after obtaining due approval from the Chairman of the District Aquaculture Mission Committee (DAMC).
6. The DAMC will then scrutinize, select and prepare a list of recommended applications and submit the same to the CEO, FFDA for according final approval.
7. The approved list of beneficiaries, in order of priority will then be sent to the DEOs concerned with a copy to the Chairman, DAMC.
8. Initially the entrepreneurs will have to deposit the 15% own contribution to MCAB. The MCAB will then sanction the loan of 25% and after sanction of the loan FFDA will release the 60% subsidy to MCAB.
9. When all formalities mentioned above at (8) are finalized, the DEOs will indent the requisite number of FRPs from CIFA, Bhubaneswar.
10. On delivery of the goods the DEOs /SDEOs will check, verify and on being satisfied they will advise the MCAB to release the full amount in respect of the cost of FRP to CIFA, Bhubaneswar.
11. The finalized entrepreneurs will be sent for training at CIFA, Bhubaneswar or any other recognized Institution of the country. Training will be specifically on the operation, method of installation of the FRP including breeding techniques of IMC and Exotic carps.
12. After installation of the FRP, the respective DEOs/SDEOs are to ensure that Fish Seed production from the project commences immediately.

13. Brood-Stock, fish feed and other inputs should be procured by the entrepreneurs themselves under the guidance and supervision of the implementing officials of the Department.
14. Monthly reports, right from the stage of implementation to the completion of the project, are to be furnished by the DEOs etc to the CEO-FFDA, Shillong
15. In respect of selection of entrepreneurs, preference will be given to the progressive Fish Farmers, Educated, un-employed youth, established Self Help Groups, Fish Farmer Co-operative Societies and entrepreneurs etc of the state who have the capacity to bear 15% of the cost of the construction hatchery as his/her/their own contribution.

Director of Fisheries-cum-
Chief Executive Officer, FFDA
Meghalaya, Shillong

PROCESS CHART OF IMPLEMENTATION FOR ESTABLISHMENT FABRICATED REIN FORCED PLASTIC (FRP) IN PRIVATE SECTOR



FABRICATED REINFORCED PLASTIC (FRP) HATCHERY

Quality fish seed is the basic requirement for inland fish farming activities. With the introduction of Meghalaya State Aquaculture Mission, the demand for fish seed will increase by leaps and bounds. To overcome the shortages and further advancement of inland fish farming in the State, various measures are being taken to meet the demand in which one of them will be the introduction of Fabricated Reinforced Plastic (FRP) Hatchery in the private sectors.

FRP Hatchery for carp seed production was developed by CIFA – Bhubaneswar .FRP is so designed that it creates the environment suitable for fish (IMC) breeding in the field conditions for 5- 6 kg (female fish) in 1 (one) operation. Hatchery system consists of FRP breeding/ spawning pool, hatching/incubation pool, egg/spawn collection chamber and overhead storage tank/water supply system, as per specification indicated below:

1. **Breeding pool** = 02.15 mtr dia, 0.9 mtr height, Capacity -3400 ltrs, bottom slope towards centre 1:22 thickness of wall 4.2-6.0 mm, showers – 02 nos.
2. **Hatching pool** = 1.4 mtr dia, 1.0 mtr height, Capacity 1433 ltrs, Inner Chamber dia 0.4 mtr height – 0.9 mtr with window cuts and covered with nylobolt. Jacket, 02 showers, 5 ducknouths, stand etc, thickness 4.0-6.0 mm.
3. **Egg collection Tank** = 1x0.5x0.5 mtr with 250 ltrs capacity, inner hapa, 3.0-4.0 mm thickness.
4. **Accessories** = Pipes (PVC) of 80 gauge of 1.0 inch dia and 0.5 inch dia, fittings etc.

Advantages:

- Affordable cost.
- Enhancement of fish seeds production in the state.
- FRP can be shifted from place to place.
- Minimum space of only 8 sq mtr (approx) required for its installation.
- The transportation of seeds from far off places to the farm sites involving substantial cost can be reduced.
- The unit is light in weight and is transportable by a trolley auto.
- Easy for installation and dismantling.
- Easy for operation and repair.
- Farmer friendly.
- In lean season the system can be used for ornamental fish rearing or common carp breeding or water storing.