



Project Coordination Unit (PCU), UPDASP

Floor, PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)– 226010 INDIA

Website - www.updasp.org

Email-updasp12@gmail.com

Ph. No. : (0522) 2720718

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E-Tender: Notice for Inviting Expression of Interest (EOI)

for

Selection of Reputed firm/ Company for Development of Solar Powered Integrated Fisheries turnkey project on Build, Operate, Maintain, Train & Transfer (B.O.M.T.T.) basis at Lucknow, Uttar Pradesh, India through E-Tender

E-Tender Ref.No.: 10 /updasp/Global Tender/2018-19 Dated: 03.05.2018

Publish Date & Time for Notice : 05.05.18 Time: 01.00 P.M.
on <http://etender.up.nic.in>, www.updasp.org

Start date & Time for downloading document : 05-05-2018 Time: 01.05 A.M.

Submission of EOI Start date & time : 05.05.18 (01.30 PM)

Submission of EOI End date & time : 28.05.18 (11.30 AM)

Date/Time for online opening of EOI : 28.05.18 (02.30 PM)

Venue of EOI/Opening and Address for Communication : Project Coordinator,
Project Coordination Unit (PCU),
UPDASP, 4th Floor, PICUP
Bhawan, Vibhuti Khand,
Gomti Nagar, Lucknow – 226010
updasp12@gmail.com

It is also to inform that only those bidders who are registered on <http://etender.up.nic.in> for e-tendering and having digital signatures shall be eligible to participate in e-tendering. Details regarding EOI would be available on the departmental website: updasp.org, fisheries.up.nic.in, upfisheriescorp.upsdc.gov.in and U.P. Govt. e-tender portal <http://etender.up.nic.in> with in the stipulated period. EOI is to be uploaded with required documents on e-tender portal of Government of Uttar Pradesh, India i.e. <http://etender.up.nic.in> only. Short listed Firm/Company on the basis of EOI will be considered for issue of RFP.

It will be the responsibility of the e-Bidders to check U.P. Government e-Procurement website <http://etender.up.nic.in> and departmental websites for any amendment through corrigendum in the EOI document. In case of any amendment, e-Bidders will have to incorporate the amendments in their EOI accordingly.



Project Coordination Unit(PCU), UPDASP

1 Floor, PICUP Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow(U.P.) – 226010 India

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E-Bid REFERENCE: No. 10 //2018-19

Dated : **03-05-2018**

E-TENDER INVITATION NOTICE

OPEN/GLOBAL e-TENDER Notice for **Inviting Expression of Interest (EOI) for Selection of Reputed firm/ Company for Development of Solar Powered Integrated Fisheries turnkey project on Build, Operate, Maintain, Train & Transfer (B.O.M.T.T.) basis at Lucknow, Uttar Pradesh, India under the U. P. Fisheries Development Corporation (for the financial year 2018-19).** The Bidder must possess the requisite experience, strength and capability in providing the services necessary to meet the requirements as described in the EOI document. The Bidder must also possess the technical know-how and the financial wherewithal that would be required to successfully provide the Services as per the details of this EOI. It is also to inform that only those bidders who are registered on <http://etender.up.nic.in> for e-tendering and having digital signatures shall be eligible to participate in e-tendering Details regarding e-tender and tender form would be available on the departmental website <http://updasp.org>, and U.P. Govt. e tender portal <http://etender.up.nic.in> with in the stipulated period.

Online **e-bid** should be **submitted** through U.P. Govt. e-Tender **website <http://etender.up.nic.in>.**

The Scheduled dates and time for the Tender are:-

1. Publish Date & Time for Notice : 05.05.18 Time:01.00 P.M.
on <http://etender.up.nic.in>, www.updasp.org
2. Start date & Time for downloading document : 05-05-18 Time:01.05 P.M.
3. Submission of EOI Start date & time : 05.05.18 (01.30 PM)
4. Submission of EOI End date & time : 28.05.18 (11.30 AM)
5. Date/Time for online opening of EOI : 28.05.18 (02.30 PM)
6. Venue of EOI/Opening and Address : Project Coordinator,
for Communication : Project Coordination Unit (PCU),
UPDASP, 4th Floor, PICUP
Bhawan, Vibhuti Khand,
Gomti Nagar, Lucknow – 226010
updasp12@gmail.com

**Project Coordinator
Project Coordination Unit,
UPDASP, Lucknow**

Notice Inviting Expression of Interest (EOI)

for

Selection of Reputed firm/ Company for Development of Solar Powered Integrated Fisheries turnkey project on Build, Operate, Maintain, Train & Transfer (B.O.M.T.T.) basis at Lucknow, Uttar Pradesh, India

UPDASP, Government of Uttar Pradesh, India

The Project Coordinator, UPDASP invites Expression of Interest from reputed firms/ companies having experience and expertise of working on National and International assignments for the **implementation work on development of solar powered Integrated Fish Feed Mill, Brood Bank and Fish Seed Hatchery Complex**. The firm/Company would be responsible for development of the following constituents of the integrated turnkey project on Build, Operate, Maintain, Train & Transfer (B.O.M.T.T.) basis at Lucknow, Uttar Pradesh, India:

- **“Brood Bank and Pangasius Fish Seed Hatchery Complex”**
- **“Fish Feed Mill”**
- **“Captive Solar Power Support System”**

- (i) The Firm/Company shall submit EOI in the format and manner as prescribed in the detailed EOI document. Document available on **website updasp.org, fisheries.up.nic.in, upfisheriescorp.upsdc.gov.in** and U.P. Govt. e-tender portal <http://etender.up.nic.in> from date **05.05.2018 to 28.05.2018**. The firm/company shall download the tender document from above portal.
- (ii) Firms/Companies having past experience as per the eligibility criteria given in the EOI document would be considered for participation in this development work.
- (iii) For further enquires it is requested to contact the UPDASP, Lucknow on e-mail address updasp12@gmail.com and refer the website **www.updasp.org** for further details of the assignment.
- (iv) The Firm/Company shall submit EOI in the format and manner as prescribed in the detailed EOI document on <http://etender.up.nic.in> only. Document is available on **website updasp.org, fisheries.up.nic.in, upfisheriescorp.upsdc.gov.in** and U.P. Govt. e-tender portal <http://etender.up.nic.in> for downloading from date 05.05.2018 to 28.05.2018.
- (v) For further enquires it is requested to contact the UPDASP, Lucknow on e-mail address updasp12@gmail.com and refer the website **www.updasp.org** for further details of the assignment.

Project Coordinator

Project Coordination Unit, UPDASP
4th Floor, PICUP Bhawan
Vibhuti Khand, Gomti Nagar
Lucknow(U.P.)- 226010 India

**Expression of Interest
(EOI)**

FOR

**SELECTION OF FIRM/COMPANY FOR
“Development of integrated project on Build, Operate,
Maintain, Train & Transfer (B.O.M.T.T.) basis at Lucknow,
Uttar Pradesh, India
for**

- **Brood Bank & Pangasius Fish Seed Hatchery Complex**
- **Fish Feed Mill**
- **Captive Solar Power Support System**

May 2018

Issued By:

**Project Coordinator
Project Coordination Unit, UPDASP
4th Floor, PICUP Bhawan
Vibhuti Khand, Gomti Nagar, Lucknow - 226010
Tel: +91-522-2720718; Fax: +91-522-2720837
e-Mail: updasp12@gmail.com**

Disclaimer

The information contained in this Expression of Interest (hereinafter referred to as "EOI") document provided to the Bidders, by UPDASP, Government of Uttar Pradesh hereinafter referred to as UPDASP, or any of their employees or advisors, is provided to the Bidder(s) on the terms and conditions set out in this EOI document and all other terms and conditions subject to which such information is provided.

The purpose of this EOI document is to provide the Bidder(s) with information to assist in the formulation of EOI. This EOI document does not purport to contain all the information each Bidder may require.

This EOI document may not be appropriate for all persons, and it is not possible for the Department, their employees or advisors to consider the business/ investment objectives, financial situation and particular needs of each Bidder who reads or uses this EOI document. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this EOI document and where necessary obtain independent advice from appropriate sources.

Department, their employees and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the EOI document.

Department may, in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this EOI document.

1. Fact Sheet

Sr. No.	Particulars	Details
1	EOI Document Availability	05. 05. 2018
2	EOI Due Date	28.05. 2018
3	Result for Evaluation of EOI and Roll out of RFP to Shortlisted firm/company	To be notified
4	Website Link for EOI Document	http://etender.up.nic.in
5	Method of Shortlisting of firm/company	Technical Evaluation
6	Contact Details	Project Coordinator Project Coordination Unit, Uttar Pradesh Diversified Agriculture Support Project (UPDASP) 4th Floor, PICUP Bhawan Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)- 226010, India Tel: +91-522-2720718; Fax: +91-522-2720837 e-mail: updasp12@gmail.com

Note:

1. UPDASP reserves the right to change any schedule of the EOI Selection process. Please visit UPDASP website mentioned in document regularly for the same.
2. EOI must be uploaded on <http://etender.up.nic.in> not later than time, date and venue mentioned in the Fact Sheet. Proposals that are received after the deadline will not be considered in this procurement process.
3. The EOI will be electronically opened & downloaded for evaluation from <http://etender.up.nic.in> in the presence of bidder's representatives, who choose to attend, at the venue, date and time mentioned in the above table. An authority letter of bidder's representative will be required to be produced.
4. The Department reserves the right to cancel any or all the EOI without assigning any reason thereof. The decision of Department will be final and binding.
5. In the event of date specified for EOI opening being declared a holiday then the due date for opening of EOI shall be the next working day. Time will remain the same. The timing and place is the same. Please see e- portal regularly for any changes.
6. All the required documents required to be uploaded by the e-Bidder electronically in the PDF/XLS format. The required electronic documents for *each document label of Technical (Qualification details, Technical Specification etc.) schedules/packets* can be clubbed together to make single different files for each label.

7. The companies/firms interested in participating in this EOI, have to register them-self at the authorized e-Procurement portal for e-tendering with U.P. Electronics Corporation Ltd. (UPLC), 10, Ashok Marg, Lucknow (UP), India. All companies/firms who have not registered themselves with UPLC for e-tendering/submission of EOI on <http://etender.up.nic.in> till date can get their registration done by depositing a filled in form issued by UPLC along with registration fee of INR Rs 6000.00 (Rupees Six thousand only) for participating in this e-tender. The companies/firms, who are not having digital signature, can also get their digital signature on deposit of processing fees of INR Rs 1708.00 (Rupees Five Thousand Seven hundred eight only). The companies/firms may contact the officials on phone numbers 0522-2286809, 0522-2288750 (O) 0522-4130303 (Extension: 303, 304 & 307), for their Registration/Digital Signature Certificate related queries.

2. Project Details

SELECTION OF FIRM/COMPANY FOR

“Development of integrated project on turnkey basis on Build, Operate, Maintain, Train & Transfer basis (B.O.M.T.T.) basis at Lucknow, Uttar Pradesh, India for

- Brood Bank & Pangasius Fish Seed Hatchery Complex
- Fish Feed Mill
- Captive Solar Power Plant of 115 KW with 7.2 VAH/W battery backup

Brood Bank & Pangasius Fish Seed Hatchery Complex

1. Introduction

Indian fish farming is, hitherto, Carp centric which collectively contribute about 65-70% of fresh water fish culture and due to genetic deterioration of carp brooders, quality of carp seed available is also not up to parameter which adversely affect the productivity as well as growth. The average productivity of carp in the country is below 3.0 tonne/ha/ year. In spite of extensive fresh water resources, this is one of the main reasons for low fish production in the country. Due to unavailability of good quality/ genetically improved fish seed of major carp or other species; average productivity of fish per capita is adversely affected.

Pangasius is high yielding species and being exotic, Government of India has permitted its introduction for culture during year 2012. Since then, Pangasius culture is increasing throughout the country by leaps and bounds and fingerlings demand is also increasing every passing stocking season. Pangasius breeding and fingerling production is very limited in the country with the minimal exceptions, therefore, current demand and future supplies remain always uncertain.

Unavailability of Pangasius seed from local sources promotes unauthenticated supplies from other countries leads to poor quality and inflated price. Uncertainty coupled with uncertain supplies is major stumbling block in expansion of culture and it is detrimental for the expansion of culture of this species and increase in fish production.

Establishing Brood Bank for IMC & Pangasius fish seed hatcheries is decidedly required to meet the existing demand and future expansion. Establishing Brood Bank will also cater the requirement of good quality/ genetically improved brooder as well as fish seed for raising brooders.

2. Objective

The primary objective of this EOI is the establishment of Brood Bank for IMC and catfish and Pangasius fish seed hatchery complex in Uttar Pradesh with a view to facilitate availability of much in demand fingerlings needed for culture of these high yielding species.

The establishment would also provide good quality/ genetically improved brooders as well as seed for raising brood stock to 9 UPFDC hatcheries, having an area of about 90 ha as well as private accredited hatcheries of private sector.

The firm/company would be responsible for establishment of Brood Bank by Construction of Brood & Nursery ponds for IMC and Pangasius fish, hatchery related structures for Pangasius seed production and Brooders, Fertilization room, Hatching room, Breeding room, boring, water distribution pipe line, water temperature controlling unit and water purification system. The estimated cost of the Total Project would be INR 322 Lacs.

3. Project Activity

It is proposed to establish Brood Bank for Pangasius and Hatchery Complex in Public Sector. One large Pangasius fish seed hatchery complex with an aim to provide fish seed of Pangasius species and also to provide good quality/ genetically improved brooders as well as fish seed to raise brooders to fish farmers in the state of Uttar Pradesh would be developed under this project.

This centre will function as “Centre of Excellence “ for Pangasius fish breeding in the country and will be used to demonstrate technology as well as impart training to prospective entrepreneurs.

The proposed facilities will be self-equipped with respect to all necessities such as brood stock rearing, hatching, spawning and fingerling rearing needed to supply quality stocking materials to farmers. The centre would encourage the local farmers for adoption of advanced method of quality fish seed production with high survival rates.

The centre would augment overall fish production of the state through supply of quality Pangasius fish seed as well as good quality/ genetically improved brooders and fish seed to raise brooders. The production of 300 lac Pangasius juveniles will cover an area of about 600 hectares for culture and quantum jump in fish production.

4. Project Location

The project site will be existing Gomti Hatchery, Khurdai Bazar, Lucknow-Sultanpur Highway, Lucknow, (U.P.), India. The title and possession of required land is in favour of U.P. Fisheries Development Corporation and free of any encumbrance. No further clearance from any regulatory department is needed to start/ execute work for the present project.

A land area of 15.0 hectare with suitable water and soil quality and very good water retention capacity is available to accommodate new Project. Out of the aforesaid 15.0 hectare land 4.50 - 5.0 hectare land will be made available for this project.

Project site has adequate sources of water in form of perennial main canal and deep borings to meet the requisite water need and other resources required for this project.

5. Proposed Facilities/ Components under the Project

- a. **The Brood Stock Unit**: The brood stock unit would generally have 06 ponds, the size of which may vary from 0.20- 0.50 hectares and depth of 2.00-2.50 m water will be maintained. For better management of brood stock, the pond will have facilities of water supply and drainage, so that the desired water level in the ponds can be accomplished, if needed. The bottom of the ponds will be gently sloping towards the outlet. The slope of dykes is proposed to be 2:1 (2 horizontal: 1 vertical).
- b. **The Main Hatchery Unit**: The main hatchery unit for spawn production comprises the following essential sub units:
 - I. Breeding room
 - II. Fertilization room
 - III. Hatchery room
 - IV. Water purification and temperature control system

6. Production Output

- a. Spawn production = 1200 lac (120 millions)
- b. Fry production = 500 lac (approx. @ 40% survival rate)
- c. Fingerling production = 300 lac (approx. @ 60% survival rate)

7. Other Details of the Project

1	Title of the Project	Establishment of Brood Bank and Pangasius Fish Seed Hatchery Complex
2	Implementing Agency	U. P. Fisheries Development Corporation,
		3 rd Floor, Lekhraj Market-2,
		Indira Nagar, Lucknow 226016. email- upmvlko@gmail.com
3	Location	Gomti Fish Seed Hatchery Complex,

		Khurdai Bazar, Sultanpur highway, Lucknow, (UP), India
4	Duration of the Project	Three years for construction, operation, maintenance, training and transfer.
5	Proposed activities	Establishment of Brood Bank by Construction of Brood & Nursery ponds for IMC and Pangasius fish, hatchery related structures for Pangasius seed production and Brooders, Fertilization room, Hatching room, Breeding room, boring, water distribution pipe line, water temperature controlling unit and water purification system.
6	Estimated project cost	Rs. 322.00 Lac
7	Output	· IMC Brooder Maintenance & Supply
		· Pangasius Brooders Maintenance & supply
		· Production of 30 million Pangasius Juvenile/ Annum

Fish Feed Mill

1. Introduction

The success of aquaculture is largely depended on the continuous supply of good quality nutritious feeds at competitive price. Feed alone constitutes about 60 to 70 % of total cost of production. Therefore, it needs more attention. Presently all species of fishes are fed only with high quality floating formulated feeds and being surface feeder Pangasius specie specially requires floating feeds and its juveniles requires highly specialized small granules of protein rich diet. The feed for juveniles is a big constraint in fish seed industry. Therefore, it is proposed to establish a large fish feed mill where the feed for juveniles may be available for fish farmers as well as for hatchery itself.

Pangasius being surface feeder require this type of specialized food which is not sinking quickly and it stay intact for a longer duration. Otherwise due to leeching it may loose its nutrients. The proposed feed mill will produce pelletized floating feed of various particle sizes in ample quantity as per requirement of the fish farmers.

U.P Fisheries Development Corporation (UPFDC) is Major Fish Seed supplier in the State. In addition to that UPFDC is in process of establishing a Pangasius fish seed production centre. For producing juveniles at such a large scale requires sufficient numbers of healthy breeders which can be maintained on availability of quality fish feed. In spite of that for spawn, fry and fingerlings/ juveniles highly protein rich diet of different granule sizes is required in sufficient quantity. Besides this, Pangasius culture is being adopted in a large scale for high stocking pond culture, cage culture and RAS etc. To fulfil such need of fish feed, proposed fish feed mill will be a valuable asset to the farmers as well as to UPFDC. At present there is no fish feed mill in state where feed of such variety for Pangasius species is being produced neither for adult nor for spawn,

juveniles etc. The growers/ fish farmers are bound to get the supply of feed from far-off places like Chhattisgarh and Andhra Pradesh which cost more and adversely affect the profitability in turn income of the farmer. Establishment of this project will definitely help in diversification of species and enhancing the income of farmers many fold.

2. Objective

One of the primary objectives of this EOI is the establishment of Fish Feed Mill in Uttar Pradesh with a view to:

- Provide high quality floating feed for different granule sizes suitable for different stages from spawn to adult fish at reasonable rates with assured uninterrupted supply round the year.
- Encourage local Aqua farmers for adoption of fish feed for high yielding aquaculture and increasing their income.
- Promote entrepreneurs for fish culture by providing them total solutions (seed, feed & technical advice) at single station.
- Augment the income of the Corporation by expanding areas of Operation.

3. Project Activity

The following activities will be taken care of by the Fish Feed Mill project:

- Establishment of state of art floating fish feed manufacturing plant.
- Feed will be manufactured for all different life stages of fishes as per requirement.
- Production from the proposed fish feed mill will cater the in-house requirement of the proposed Pangasius fish seed hatchery cum brood bank as well as nine major carps hatcheries managed by U.P. Fisheries Development Corporation.
- Surplus production will be available for sale to the fish farmers on reasonable rates and as a return some handsome profit amount will be made in favour of the Corporation which will add financial status of the Corporation.

4. Project Location

The project site will be existing Gomti Hatchery, Khurdai Bazar, Lucknow-Sultanpur Highway, Lucknow, (U.P.), India. The title and possession of required land is in favour of U.P. Fisheries Development Corporation and free of any encumbrance. No further clearance from any regulatory department is needed to start/ execute work for the present project.

Adequate Government owned land is available for Establishment of Fish Feed Mill.

5. Proposed Facilities/ Components under the Project

- a. **Fish Feed Mill:** A Fish Feed Mill with a total annual capacity of 30,000 quintals would be established.

6. Production Output

A total of 30,000 quintals of feed will be manufactured annually. Out of this about 4,000 quintals will be consumed to fulfil in-house requirement for hatchery operations of nine major carps hatcheries managed by Corporation and rest of the feed will be available for sale to the aqua farmers. This will help in hatchery management and also to augment the income of the corporation. The project will encourage more entrepreneurs towards the aquaculture on commercial lines.

7. Other Details of the Project

1	Title of the Project	Establishing fish feed Mill of production capacity 10 tones per day.
2	Implementing Agency	U. P. Fisheries Development Corporation,
		3 rd Floor, Lekhraj Market-2,
		Indira Nagar, Lucknow 226016. email- upmvlko@gmail.com
3	Location	Gomti Fish Seed Hatchery Complex,
		Khurdai Bazar, Sultanpur highway, Lucknow, (UP), India
4	Duration of the Project	Three years (one year for construction of buildings and establishment of plant and machinery and rest two years for operation, maintenance, training and transfer)
5	Proposed activities	Establishment of Fish Feed Mill
6	Estimated project cost	Rs. 219.17 Lac
7	Expected Output	10 ton pelletized feed will be produced per day and will be available for fish farmers at reasonable rates. This will give additional support to fish farmers to double their income by encouraging them towards aquaculture on commercial lines.

Captive Solar Power Plant

1. Introduction

Closed aquaculture systems need deep/ shallow tube wells for water supply, pumps and aerators to provide oxygen to maintain required parameter, to move water into and through the system, and to purify the water. Solar-generated electric power, known as photovoltaic (PV), can be used to meet the power needs of an aquaculture operation.

Fish breeding activities require a lot of electrical energy for different activities at the hatchery site. In routine operation of hatchery activities regular fresh water supply is required for initial filling of ponds as well as to counter the evaporation and seepage losses and maintain the required water temperature and oxygen level for pond water. This job is done through deep tube wells as well as shallow borings. In addition some electric mono blocks (pump sets) are used for shifting of water from one pond to other. Some additional electric supply is also required for residential and non-residential buildings.

An Ornamental Coloured Fish Hatchery is also in operation within the hatchery premises which also requires power supply for its different activities. A Pangasius Fish Seed Hatchery cum Brood Bank is also proposed at the same site. To cater the power supply requirement of these three projects total 09 units, each of 12.75 KW Solar Power Support System, are required as detailed below :-

1. Existing Carp Hatchery	4.00 units
2. Ornamental Coloured Fish hatchery	1.00 unit
3. Proposed Pangasius Fish Hatchery cum Brood Bank	4.00 units

To cater the present power requirements of existing Carp Hatchery and Ornamental Coloured Fish Hatchery, presently Corporation is paying INR 6.00 lakh (approx.) annually to U.P. Power Corporation Ltd. In addition to existing Carp Hatchery and Ornamental Coloured Fish Hatchery, a Pangasius Fish Seed Hatchery cum Brood Bank of production capacity of 300 lakh juveniles per annum is also proposed at the same site. Hence to cater power supply for operation of these three projects an estimated amount to be paid to U.P. Power Corporation is INR 10.0 lakh (approx.) and besides this an amount of about INR 1.0 lakh (approx.) per annum is paid by the Corporation on diesel consumption for running of generator sets during power cuts.

In the light of above facts considering 50% saving on diesel expenditures incurred on running of generator sets (INR 0.50 lac), the proposed Solar Power Support System will save around INR 9.00 lac per annum and will maintain Eco friendly atmosphere to favour worldwide green climate campaign.

In spite of initial water filling in ponds/ tanks, both open and closed systems in these three projects require moving water for following purposes:

1. Aerate the water so that dissolved oxygen level in the water is high enough for fish to survive and thrive.
2. Pump water to and through various tanks.
3. Replace water losses due to evaporation, seepage and leaks.

Fish breeding facility needs pumps and aerators to move water into and through the system, to supply oxygen to maintain required dissolved oxygen level in the ponds/tanks and to purify water. Solar generated electric power, known as photovoltaic's (PV) may be useful to meet the power needs for these purposes.

2. Objective

One of the primary objectives of this EOI is the establishment of Solar Power Support System for regular and uninterrupted supply of water, aeration and lighting and other facilities required for intensification of existing Carp fish seed production hatchery, Existing Ornamental coloured fish hatchery and proposed Pangasius fish seed hatchery.

Other additional objectives of the project include:

- Encouraging the local fish farmers for adoption of solar power support system for fish seed production and aquaculture.
- Promoting the use of solar energy that will provide the economic power supply to drive closed-system aerators, lightings facilities and pumps

3. Project Activity

The following activities will be commenced during implementation of the scheme:

- Establishment of Solar power support system for existing carp hatchery, existing Ornamental fish seed hatchery and proposed Pangasius fish hatchery for intensification of fish seed production on pilot project basis.
- Solar power support system will be developed to cater the power requirement of the hatchery complex and will also cater further requirements in future.
- This Solar power system will comprise 09 solar power support units with one day autonomous.
- Off grid facility will be equipped with battery backup for dark period of the day

4. Project Location

The project site will be existing Gomti Hatchery, Khurdai Bazar, Lucknow-Sultanpur Highway, Lucknow, (U.P.), India.

Proposed hatchery complex spreading in more than 15 ha. area will be facilitated with this system.

The project is proposed to be implemented with the concept of sustainable fish production with farmer's participatory approach as it will have demonstrative opportunity for the farmers visiting the hatchery in large numbers.

5. Proposed Facilities/ Components under the Project

Establishment of Solar Power Support System for

- Existing Carp hatchery
- Proposed Pangasius fish seed hatchery &
- Existing Ornamental coloured fish hatchery Production Output

6. Other Details of the Project

1	Title of the Project	Project on Solar Power Support System for 1- Existing carp fish hatchery 2- Proposed Pangasius fish seed hatchery 3- Existing Ornamental coloured fish hatchery at Lucknow, (U.P.), India
2	Implementing Agency	U. P. Fisheries Development Corporation,
		3 rd Floor, Lekhraj Market-2,
		Indira Nagar, Lucknow 226016. email- upmvnlko@gmail.com
3	Location	Gomti Fish Seed Hatchery Complex, Khurdai Bazar, Sultanpur highway, Lucknow, (UP), India
4	Duration of the Project	Three years (six months for installation of plant and machinery and rest two and half years for operation, maintenance, training and transfer)
5	Proposed activities	Establishment of Solar Power Support System for <ul style="list-style-type: none"> • Existing Carp hatchery • Proposed Pangasius fish seed hatchery & • Existing Ornamental colored fish hatchery
6	Estimated project cost	Rs. 137.88 Lac
7	Expected Output	Proposed Solar Power Support System will cater power supply required for operation of water supply system, aeration and lighting system for <ul style="list-style-type: none"> • Existing Carp hatchery • Proposed Pangasius fish seed hatchery & • Existing Ornamental coloured fish hatchery with a result of reduction in mortality rates of fish seed at early stages.

3 Eligibility Criteria

3.1 Eligibility requirements for the firm/company

Following will be the minimum pre-qualification criteria. Each eligible firm/company should possess all the following pre-qualification criteria. Responses not meeting the minimum pre-qualification criteria will be rejected and will not be evaluated.

The Bidder must possess the requisite experience, strength and capability in providing the services necessary to meet the requirements as described in the EOI document. The Bidder must also possess the technical know-how and the financial wherewithal that would be required to successfully provide the Services as per the details of this EOI. The bids must be complete in all respect. The invitation to Proposal is open to all Bidders who qualify the eligibility criteria as given below:

Conditions of Eligibility		
S No.	Pre-qualification Criteria	Supporting Compliance Document
1	Legal Entity - Applicants eligible for participating in the Assignment should be a consortium or group. The bidder should be a Business Entity shall mean a company registered in India under the Companies Act 1956, or a partnership firm registered under the relevant and prevailing law relating to partnership in India, and operating for the last 10 years in Consultancy Business Consulting as of March 31, 2015. International firms with registered Legal Entity status in other countries also qualify to participate in the EOI/RFP	Copy of Certificate of incorporation and Partnership Deed, if any
2	The Bidder has to be profitable and should not have incurred loss in any of the last 3 consecutive Financial Years as on 31.03.2018	Audited Balance Sheets and P&L Account of the Firm
3	The Bidder should have an annual turnover of INR 50 Crore in each of the last 3 consecutive Financial Years as on 31.03.2018 from Services of similar nature rendered by the company	Audited Balance Sheets and P&L Account of the Firm

Conditions of Eligibility		
S No.	Pre-qualification Criteria	Supporting Compliance Document
4	<p>The Bidder shall have experience of:</p> <p>(i). Establishing at least one integrated project of solar based “Brood Bank, Fish Seed Hatchery and Fish Feed Mill Complex” on International level</p> <p>OR</p> <p>(ii). Establishing solar based following projects in countries other than India</p> <p>a) Projects of “Brood Bank and/or</p> <p>b) Projects of Fish Seed Hatchery” and/or</p> <p>c) Projects of “Fish Feed Mill”</p>	Award Letters, Completion Certificate of Contracts of similar nature undertaken by the company
6	The firm should not be blacklisted by any Union Govt. / State Govt. / PSU/Govt. Bodies in India or in any other nation	Certificate signed by the Authorized Signatory
7	The company should have proven capacity to execute a solar based power solution to Fish Hatchery & Brood Bank & Feed Mill with its own state of art of controllers.	Details

Experience in providing similar consultancy services on B.O.T., B.O.M.T., B.O.M.T.T. or other similar models will be preferred.

4. Evaluation Criteria & Method of Evaluation

4.1 Screening of EOIs shall be carried out as per eligibility conditions mentioned in this document and based on verification of testimonials submitted.

4.2 EOI will be evaluated for short listing inter alia based on their past experience of handling similar type of project, strength of their man power, financial strength of firm and EOI / proposal to the selection committee whose decision will be final.

4.3 Agencies who qualify as per the eligibility conditions and shortlisted in EOI will be provided a detailed RFP to respond with a detailed proposal (including Technical and Financial proposal)

5. Response to Bids

5.1 Interested parties must ensure that their EOI response is submitted as per the formats attached with this document. Special comments on the objectives and scope of the service projected in the EOI may also be submitted along with the offer.

5.2 All the required documents required to be uploaded on <http://etender.up.nic.in> by the e-Bidder electronically in the PDF/XLS format. The required electronic documents for each document label of Technical (Qualification details, Technical Specification etc.) schedules/packets can be clubbed together to make single different files for each label.

5.3 The EOI submitted by the interested parties should include the following:

- Cover Letter for EOI
- Background of the Firm
- Details pertaining to conditions of eligibility with requisite supporting documents including
 - Details of working on engagements providing similar consultancy services on B.O.T., B.O.M.T. or other similar models
 - Details of experience of establishing similar integrated projects of “Brood Bank, Fish Seed Hatchery and Fish Feed Mill Complex”
 - Details of experience of establishing similar “Brood Banks”, “Fish Seed Hatchery” and “Fish Feed Mill”
- Contact details of Authorized Representative