

GOVERNMENT OF WEST BENGAL
OFFICE OF THE ASSISTANT DIRECTOR OF FISHERIES, NADIA
1, COLLEGE STREET, MEEN BHAWAN, KRISHNAGAR, DIST-NADIA

No: 74

Date: 27/01/17

TENDER NOTICE

Sealed Tenders are invited by the Assistant Director of Fisheries, Nadia from the eligible contractors/suppliers/entrepreneur etc. having experience in similar-nature of works as per particular given below.

Sl No.	Name of the work	Estimated value(Rs.)	Earnest Money(Rs.)	Cost of tender paper	Period of completion
1	Procurement and installation of Solar light in inland fishing villages of Nadia District under the scheme rural electrification work in inland and marine fishing villages by trapping up Unconventional Energy Resources for the financial year 2016-2017.(Details in annexure-I)	2,40,000/-	4800/-	Rs.755/-	15 days

The last date for submitting application for tender documents is 10.2.2017 up to 1.00 p.m. The date for sale of tender documents to the qualified tenderer is on 13.2.2017 up to 3.00 p.m.. The tender documents will be received in sealed cover in this office on 15.2.2017 upto 2.00 pm and will be opened on the same day at 3.00 p.m.

TERMS & CONDITIONS

1. Application for tender documents should be done in their own letter head pad with all requisite testimonials.
2. A) Tenderer should produce credentials of similar nature of completed works of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice.
B) The supplier should have Ministry of New and Renewable Energy(MNRE) accredited laboratory's valid test certificate for solar lighting system.
3. Self attested copy of valid PAN issued by the Income Tax Department, Govt. of India, Valid Registration No.(TIN) under West Bengal Value Added Tax Act,2003, Valid Professional Tax(PT) receipts for the FY 2016-17. Valid Trade License from the concerned Municipality/Panchayat, Credential certificate issued by the competent authority are to be produced along with application.
4. Tender paper will be issued to qualified tenderer only.
5. Rate should invariably & clearly mentioned in the letter head pad duly signed by the tenderer. The rate must be quoted in terms of FIGURE & WORDS neatly & correctly in English including

loading/unloading, transportation and all other charges. Rate should be less /at per. Above rate shall not be accepted.

6. The amount of Earnest money have to be deposited @2%(two percent) of the estimated amount put to tender in the shape of Bankd draft/Banker's cheque of Nationalized Bank in favour of the Assistant Director of Fisheries, Nadia payable at Krishnagar Branch with tender paper. In case of successful tenderer the earnest money will be treated as security deposit and will be refunded after 6 months after supplying the same and unsuccessful tenderer it will be refunded within one month.
7. Tender papers will be available at the office of the undersigned on payment of tender cost in favour of Assistant Director of Fisheries, Nadia through e challan under the head 0405-0-800-006-27.
8. The Tender in sealed cover should be submitted in the office of the Assistant Director of Fisheries, Nadia Krishnagar on or before 15.2.2017 at 02-00 P.M. and after that no tender will be entertained in any circumstances.
9. The Tender will be opened on 15.2.2017 at 03-00 P.M. in the office of the Assistant Director of Fisheries, Nadia, Meen Bhavan, Krishnagar, Nadia and at that time supplier themselves may remain present.
10. The undersigned reserves the right to accept or reject any tender assigning any reasons whatsoever and is not bound to accept the lowest rates, stating the reasons thereof.
11. As per supply order supplier shall supply the required no of inputs(as per specification)to the selected beneficiary/spot in presence of concerned Fishery Extension Officer/Fishery Field Assistant, duly authorized officer of the office of the Assistant Director of Fisheries Nadia, Panchayat representative(s). The date and time of supply should be fixed in consultation with concerned FEO/FFA and to be communicated to the undersigned well in advance. The supply should be made through Distribution Roll(Muster Roll)with proper documentation(Photographs). The Distribution Roll(Muster Roll) and challan should be authenticated/signed by the concerned Fishery Extension Officer of Block, duly authorized officer of the office of the Assistant Director of Fisheries Nadia and also by the Panchayat Representative(s)present at the time of distribution.
12. The supplier shall prepare and submit the bill in duplicate to the office of the Assistant Director of Fisheries, Nadia supported with receipted challan(in duplicate)of the supplied input alongwith the documentation (Photography) and signed muster roll. The payment can not be processed without complete challan, muster rool ,documentation(Photography)/ The payment will be made after necessary deduction as applicable under rule of Govt.
13. Security money will be deducted from the bill at source at the time of payment as per rule. The Security Money will be refunded after six months from the date of completion of supply.

14. Selected suppliers will have to execute an agreement in Non judicial stamp paper of Rs. 10/- as to smooth & timely completion of the assigned works.
15. Any dislocation, delay, willful negligence will make this office compelled to forfeit the earnest money and the entire claim whatsoever & initiate penal action against the defaulting suppliers / agency.

Assistant Director of Fisheries
Nadia.

Memo No: 74/1(9) /

Dated: 27/01/17

Copy forwarded for information & taking necessary action to:-

1. The Savadhipati Nadia Zilla Parishad.
2. The Karmadhakya, Matsya-o-Prani-Sampad Bikash Sthayee Samity, Nadia Zilla Parishad.
3. The Director of Fisheries, West Bengal, 31,G.N. Block, Sector-V,Saltlake City, Kolkata-700091.
4. The Additional Director of Fisheries(Technical) West Bengal.
5. The District Magistrate, Nadia.
6. The Deputy Director of Fisheries, Central Zone, Berhampore, Post-Berhampore, Dist.Murshidabad.
7. The District Information & Cultural Officer, Nadia for its wide publicity.
- ✓ 8. The District Informatics Officer, NIC,Nadia with a request to display the notice in the District Website.
9. Notice Board of Assistant Director of Fisheries, Nadia.


Assistant Director of Fisheries
Nadia.

25/01/17

Annexure-I

SPECIFICATION OF THE COMPONENTS FOR THE SCHEMES

Description of Works	Items	Specification	Quantity	Rate	Unit cost	Total unit	Total Amount
Procurement and installation of Solar light in inland fishing villages of Nadia District under the scheme rural electrification work in inland and marine fishing villages by trapping up Unconventional Energy Resources for the financial year 2016-2017.	1)Solar lighting system	As per annexure-II	1no/unit	24000	Rs.24000/-	10	Rs.2,40,000/-
						Total	Rs.2,40,000/-


Assistant Director of Fisheries, Nadia

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Annexure – II

BATTERY

- i. Lead Acid, tubular positive plate flooded electrolyte or Gel / VRLA Type.
- ii. The battery will have a minimum rating of 12V, 120 Ah at C/10 discharge rate.
- iii. 75 % of the rated capacity of the battery should be between fully charged and load cut off conditions.
- iv. Battery should conform to the latest BIS/ International standards.

LIGHT SOURCE

- i. The light source will be a white LED type. Luminary 24 Watts & Luminary Casing should be IP-65
- ii. The colour temperature of white LED used in the system should be in the range of 5500⁰K-6500⁰K.
- iii. W-LEDs should not emit ultraviolet light.
- iv. The light output from the white LED light source should be constant throughout the duty cycle.
- v. The lamps should be housed in an assembly suitable for outdoor use.
- vi. The temperature of heat sink should not increase more than 20oC above ambient temperature during the dusk to dawn operation.
- vii. Lumen \geq 80

ELECTRONICS

- i. The total electronic efficiency should be at least 85%.
- ii. Electronics should operate at 12 V and should have temperature compensation for proper charging of the battery throughout the year.
- iii. No Load current consumption should be less than 20 mA.
- iv. The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.
- v. The PCB containing the electronics should be capable of solder free installation and replacement.
- vi. Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.

ELECTRONIC PROTECTIONS

- i. Adequate protection is to be incorporated under "No Load" conditions e.g. when the lamp is removed and the system is switched ON.
- ii. The system should have protection against battery overcharge and deep discharge conditions.
- iii. Fuse should be provided to protect against short circuit conditions.
- iv. Protection for reverse flow of current through the PV module(s) should be provided.
- v. Electronics should have temperature compensation for proper charging of the battery throughout the year.
- vi. Adequate protection should be provided against battery reverse polarity.
- vii. Load reconnect should be provided at 80% of the battery capacity status.

MECHANICAL COMPONENTS

- i. A corrosion resistant metallic frame structure should be fixed on the pole to hold the SPV module.
- ii. The frame structure should have provision to adjust its angle of inclination to the horizontal between 0 and 45, so that the module can be oriented at the specified tilt angle.
- iii. The pole should be made of Galvanised Iron (GI) pipe. Length 6 mt.
- iv. The height of the pole should be 4 metres above the ground level, after grouting and final installation.

- v. The pole should have the provision to hold the luminaire.
- vi. The lamp housing should be water proof and should be painted with a corrosion resistant paint.
- vii. A vented, acid proof and corrosion resistant metallic box with a locking arrangement for outdoor use should be provided for housing the battery.

QUALITY AND WARRANTY

- i. The street lighting system (including the battery) will be warranted for a period of five years from the date of supply.
- ii. The PV module(s) will be warranted for a minimum period of 25 years from the date of supply. The PV modules must be warranted for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years.
- iii. The Warranty Card to be supplied with the system must contain the details of the system.

OPERATION and MAINTENANCE MANUAL

An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Street Lighting System. The following minimum details must be provided in the Manual:

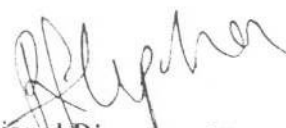
- Basic principles of Photovoltaics.
- A small write-up (with a block diagram) on Solar Street Lighting System - its components, PV module, battery, electronics and luminaire and expected performance.
- Type, Model number, Voltage & capacity of the battery, used in the system.
- The make, model number, country of origin and technical characteristics (including IESNA, LM-80 report) of W-LEDs used in the lighting system.
- About Charging and Significance of indicators.
- Clear instructions about erection of pole and mounting of PV module (s) and lamp housing assembly on the pole.
- Clear instructions on regular maintenance and trouble shooting of the Solar Street Lighting System.
- DO's and DONT's.
- Name and address of the contact person for repair and maintenance, in case of non-functionality of the solar street lighting system.

Note:

1. The proposed supplier should have Ministry of New and Renewable Energy (MNRE) accredited laboratory's valid test certificate for solar street lighting system.
2. The Other criteria's if missing should be followed as per the standards fixed by Ministry of New and Renewable Energy (MNRE)

SLT




Additional Director of Fisheries
Technical