



GOVERNMENT OF KHYBER PAKHTUNKHWA
Forestry, Environment & Wildlife Department
Pakistan Forest Institute, Peshawar
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TENDER FORM/ DOCUMENT

“Improvement and Upgradation of PFI Field Station Shinkiyari”

Tender Form NO. /AFE/IUFS/2018-19

Name of the Firm: _____

Address: _____

Contact Nos. Tel _____ Cell _____ Fax _____

NTN: _____ GST No. _____

CDR No. _____ Dated _____ Amount _____

Bank: _____

QUOTED PRICE

S. No.	Items	Quantity	Quoted Price (Including all taxes)
1.	Supplying and Installation of 5KW Hybrid Solar System (Complete in all respect) at PFI Field Station, Shinkiyari, Distt: Mansehra.	01 Job	

CERTIFICATE:

This is certified that we have read and understood attached specifications, terms & conditions and shall abide by all specifications, terms & conditions.

Signature & Stamp of the Firm

**A. Specifications, terms and conditions regarding the following item under project
“Improvement and Upgradation of PFI Field Station Shinkiari”**

S. No.	Items	Specifications
1.	<p>Supplying and Installation of 5KW Hybrid Solar System (Complete in all respect) at PFI Field Station, Shinkiari, Distt: Mansehra Khyber Pakhtunkhwa.</p>	<p>PV Module/Panels (6000Watts)</p> <ul style="list-style-type: none"> • PV Module Mono crystalline Branded, capacity 300 watt or above, each. • Grade A quality with efficiency $\geq 16.5\%$ • Certified IEC 61215, IEC 61730 • 5 years material and working ship warranty • 25- years Power output warranty <p>Inverter</p> <ul style="list-style-type: none"> • 5KW Solar, 48V, pure sine wave, Grid tie off Grid. • Hybrid inverter along with Built-in Dual MPPT solar charge controller, and all sorts of safety protections. Infini series or equivalent. • CE and IEC certified. • Warranty should be at least 01 Year <p>Cells (To provide 3 Hours backup)</p> <ul style="list-style-type: none"> • 400AH, 2V VRLA/OPZV dry cells (24 No.) • Product warranty: 1 Year <p>PV panels Structure</p> <ul style="list-style-type: none"> • Single axis manual tracker, pole mounting structures made of GI material to support 4 or more PV modules/each structure. • PV structures gauge should be 10 SWG • SS panels fixing nuts and galvanized nut bolts for structure parts, • Rust protected frames and fixtures, strong enough and capable to withstand high speed wind, Complete in all respect and as per instructions of Engineer Incharge <p>Battery Rack</p> <ul style="list-style-type: none"> • Battery Rack with shelves for holding cells/batteries and completely insulated (with wooden base) • Battery Rack should be made of 14 SWG GI materials/ or angle iron material with all necessary items to support the weight of cells/batteries. • Battery rack should be theft protected with doors. • Proper ventilation system should be provided in battery rack. Complete in all respect and as per instructions of Engineer Incharge

Wires and Breakers.

- 10mm, 16 mm and 25mm DC wires as much required from panels to inverter and between the batteries and inverter.
- Suitable rating AC wires between inverter and main Distribution board. (All wires/cables should be 99% pure Copper, registered with Government/Engineering Department.)
- Suitable rating DC input/output circuit breakers between inverter and Batteries/.Solar panels.
- Suitable rating AC input/output circuit breakers between inverter and Main Distribution board. Complete in all respect and as per instructions of Engineer Incharge

Servo Motor.

- 10KW, 50HZ, 220V and pure copper auto Stabilizer of good and recognized brands.

Panel board

- Panel board with Changeover Switch 60 Amp, Digital volt meter.
- Generator switch off Light, Complete in all respect and as per instructions of Engineer Incharge

Civil Base

- 3'x3'x4' PCC (1:2:4), base for structure mounting for each pole on ground to support 4 or more PV modules above each structure.
- Height of the structure will be about 30" from the ground level.
- All iron works should be dually painted 3 coats (Based with red coating color) as per job complete in all respect and as per instructions of Engineer Incharge.

Earthing system

- Complete Ground System for Electrostatic Discharge Protection (Including digging) etc. complete in all respect and as per instructions of Engineer Incharge.

Transportation and Installation.

- Transportation up to the site of work i.e. PFI Field Station Shinkiari, and Installation complete with all respect and as per instructions of Engineer Incharge.

Additional wiring (100 points) in Rooms etc.

- Additional wiring as Load distribution in 200 meter Radius of premises for solar power in 7/0.044, 7/0.036, 7/0.029, 3/0.029 concealed with duct patti of good quality for certain load (Using cable Registered with Government) complete in all respect and as per instructions of Engineer Incharge.

B. Terms and Conditions:

1. The eligible firms/party are required to submit their bids in separate sealed envelopes i.e. One envelope containing "Technical Proposal/Bid" of the Firm/party clearly marked as "Technical Proposal/Bid" accompanied with respective document, while the second envelope containing "Financial proposal/bid" price clearly marked as "Financial Proposal/bid" accompanied with respective bidding documents. The affidavit, on the letter head of the company/firm, to the effect stating that 2% bid security has been placed in "Financial proposal/bid" must be attached with technical proposal bid. Both Technical and Financial Proposal bid shall be placed in single sealed envelope.
2. The sealed tenders, on the basis of "Single Stage Two Envelopes System" marked on the top "Quotation under Improvement and Upgradation of PFI Field Station Shinkhari" must reach to office of the Assistant Forest Engineer, Pakistan Forest Institute (PFI), Peshawar by 04th April, 2019 at 02:00 pm. positively. Technical Proposal/Bid will be opened by the committee on the same date at 2:30 pm. in the presence of tenderers or their representatives present on the occasion.
3. Technical proposal/Bid will be evaluated by the committee as per evaluation criteria, attached to this tender document. Annexure -"A"
4. The Financial proposal/bid of only technically responsive and qualified bidders will be opened by the same committee after evaluation of Technical proposal/ bid, in the presence of bidders/ their representative (who may like to attend) on 09/04/2019 at 02:00 pm. Whereas the Financial Proposal/Bids of Technically non responsive and non-qualified bidders shall be returned unopened to the respective firm/party representative.
5. Supply/Installation of the tender item must be completed within one month after issuance of work order.
6. All taxes (Income Tax, GST, Stamp Duty, etc.) if any, will be deducted as per government rates/rules.
7. Bid security in form of CDR @ 2% (refundable) of the bid value in favor of the Assistant Forest Engineer PFI, Peshawar should accompany the bid, failing which the bid shall not be entertained.
8. The payment of the bills submitted by the Firm/party will be made on the successful supply / Installation of all items as per tender documents/ agreement, and verification by concerned committee/relevant officer after quality and quantity assessment.
9. The tenderer will have to accept /abide by all the specification, terms and conditions mentioned in the tender documents.
10. PFI may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. PFI shall, upon request, communicate to any firm/bidder who submitted a bid or proposal, the grounds for rejection of all bids or proposals.
11. Incomplete tenders will not be entertained.
12. The tenderer will deliver and complete installation of all the items at PFI Field Station Shinkhari District Mansehra Khyber Pakhtunkhwa, on their own expenses.
13. Substandard items will be rejected and returned on the expenses of the tenderer.
14. The firm will be responsible to complete the supplies/Installations tasks as agreed at the time of issuance of work order.
15. Bidders will have to attach the copies of GST, NTN, Professional Tax certificates, valid registration certificate with PEC along with specialization codes EE04 and EE11 and bid documents.
16. Bidders are requested to give their best and final price as negotiations on the price once quoted/offered are not permissible under the rules.
17. Tenders received later than specified date and time will not be accepted.
18. Cutting, doubtful, conditional, overwriting and alternate rates will not be accepted.
19. The name of the project has to be mentioned on sealed envelope.
20. The successful bidder shall, within three days, have to sign a contract before issuance of work order, failing which his earnest money shall be forfeited.

21. The successful bidder should submit security deposit @ 8% of the bid amount in shape of CDR which will be refunded after completion of warranty period i.e. One year.
22. Failure in supply of items/completion of task within stipulated period shall entail forfeiture of security money.
23. In case of violation in the specification, terms and conditions, the security will be forfeited.
24. Brochures/operational manual and warranty of all the equipments/Items quoted must be attached.
25. The prices once offered shall be considered valid till completion of supply and complete installations.
26. The successful tenderer/ firm will provide an undertaking, on a stamp paper, agreeing to the above mentioned terms and conditions.
27. Affidavit on Stamp Paper of Rs. 100/- that the firm is not black listed by any government / semi government Department.
28. The firm must have valid PEC registration for the year 2019, along with specialization codes EE04 and EE11. Company/Firm profile along with list of registered engineers/Professional Engineers with PEC and other professional's staff working with firm should be provided.
29. Last two years income Tax and sales Tax returns showing annual turnout in the field of solar Business, must be attached.
30. Detail nature of in hand solar projects with Government Departments, during last three years and a satisfactory performance certificated needed to be submitted in this regard.
31. Technical specification sheets of Panels, Inverters and Batteries need to be attached with bid.