



**Jharkhand Renewable Energy Development Agency**  
**State Govt. Agency Under Department of Energy**  
**Plot No. 328/B, Road No. 4, Ashok Nagar, Ranchi-834002**  
**Phone No. 0651-2246970, 2247049, 2240692, Fax- 0651-2240665**  
**Email :- info@jreda.com , web:- [www.jreda.com](http://www.jreda.com)**

### **NOTICE INVITING BIDS**

NIB NO.JREDA/SPV/SWPS/01/2007-08

Date :- 20.02.2008

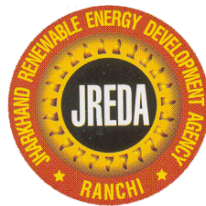
Sealed bids in two parts separately containing Techno-Commercial offer along with EMD (Part-I) and price offer (Part-II) are invited from reputed and experienced Manufacturers for manufacture, supply, installation, commissioning and two year CMC of SPV Pump set (Surface & Submersible) in selected regions of Jharkhand State. Eligible bidder may quote their offer as per the details mentioned.

1. Nature of work : Manufacture, supply, installation, testing, commissioning and two years CMC of SPV Pump sets (Surface and submersible) of 900 Wp, 1200 Wp, 1800 Wp, 2400 Wp. in selected regions of Jharkhand.
2. Time of completion : 45 days from the release of work order/intimation. of work
3. Cost of Tender Document :
  - i) Rs. 10,000/-(Rs. Ten Thousand Only)
  - ii) Rs. 5000/-(Rs. Five Thousand Only) for SSI units registered in Jharkhand.
  - iii) Rs. Nil for SSI units registered in Jharkhand as well as with NSIC.
4. Earnest Money Deposit :
  - i) Rs. 1,00,000/-(Rs. One Lakh Only)
  - ii) Rs. 50,000/-(Rs. Fifty Thousand Only) for SSI units registered in Jharkhand.
  - iii) Rs. Nil for SSI units registered in Jharkhand as well as with NSIC.
5. Date of commencement of issue of bid documents : 25.02.2008 from 10:00 AM to 6:00 PM on all working days
6. Last date and time of issue of bid documents : 05.03.2008 till 5 :00 PM
7. Last date and time of submission of bid documents : 07.03.2008 till 11:30 AM
8. Date and time of opening of (Part-I), Techno-Commercial bid along with EMD : 07.03.2008 at 12:30 PM



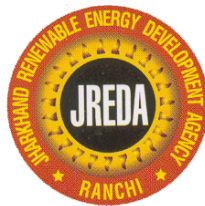
9. Place of issue and submission : Jharkhand Renewable Energy Development  
Of bid documents and address Agency,  
For communication Plot No. 328/B, Road No.-4, Ashok Nagar,  
Ranchi-2

Director,  
JREDA, Ranchi



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## NOTICE INVITING BIDS

NIB NO.JREDA/SPV/SWPS/01/2007-08

Date :-20.02.2008

### 1. Eligibility and qualification criteria

The bidder shall meet the following requirements

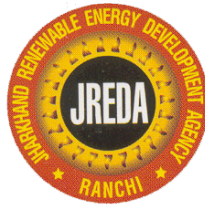
#### 1.1 For General Bidders

- Should be a reputed supplier of SPV Pump sets and who manufactures at least one or more major sub-systems (Viz. PV modules or pump sets) used in Solar Photovoltaic pump sets
- Should have adequate facilities for testing of SPV Pump set System.
- Manufacture should possess adequate in house manufacturing facilities for manufacturing PV modules or pump sets with reliable quality control/ monitoring system.
- Manufacture must poses adequate facilities and network in the state for providing after sales services.
- Turn over during past two years (i.e. 2005-06 & 2006-07) should be minimum 50 lacs in any one year.

**To meet the requirement under (1.1) the bidder shall furnish registration certificate clearly indicating that they are manufacture of PV Modules/ DC Pump set as applicable. Bidder shall also submit list of testing facilities along with their photographs.**

1.2 For the bidders who are SSI units registered with Govt. of Jharkhand or SSI units registered with GOJ as well as with NSIC.

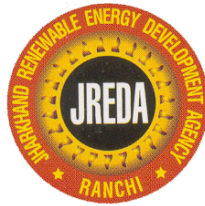
- Should be a reputed supplier of SPV Pump sets and who manufactures at least one or more major sub-systems (Viz. PV modules or pump sets) used in Solar Photovoltaic pump sets
- Should have adequate facilities for testing of SPV Pump set System.



- Manufacture should possess adequate in house manufacturing facilities for manufacturing PV modules or pump sets with reliable quality control/ monitoring system.
- Manufacture must poses adequate facilities and network in the state for providing after sales services.
- Turn over during past two years (i.e. 2005-06 & 2006-07) should be minimum 25 lacs in any one year.

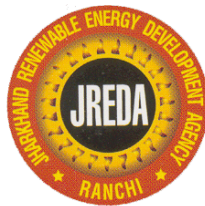
**To meet the requirement under (1.2) the bidder shall furnish registration certificate clearly indicating that they are manufacture of PV Modules/ DC Pump set as applicable. Bidder shall also submit list of testing facilities along with their photographs. Attested photocopies of SSI or and NSIC certificate as applicable.**

2. For availing any concession in cost of bid document and / or EMD, the bidder shall furnish attested copies of valid SSI registration certificate issued by Government of Jharkhand and/ or NSIC clearly indicating validity & monetary limit as applicable.
3. Cost of bid documents (Non refundable) shall be deposited in the form of Demand Draft drawn in favour of Director, Jharkhand Renewable Energy Development Agency, on any Indian Nationalized Bank/Scheduled Bank, payable at Ranchi. Bidder may purchase bid document from the office of Director, JREDA, Ashok Nagar, Ranchi, after submission of cost of bid document. Prospective bidders can also download complete bid document from the web site of JREDA and may submit their bid along with the cost of bid document in Part-I envelope.
4. All bids will be received in duly sealed cover with wax within due date and time. Bids received after the due date and time shall be outright rejected.
5. Details about the date and time of issue of bid document, submission of bid opening of bid date, time, place of submission etc. are given in table 1.
6. If its happens to be holiday on the date of submission/opening of bids then the same shall be submitted/opened on next working day at the same time and the same venue.
7. No postal transaction shall be entertained for obtaining of bid documents.



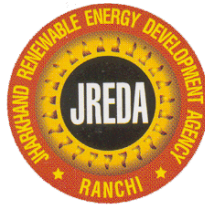
8. Issuance of bid documents shall not construe that the bidders would be automatically considered qualified.
9. EMD shall be submitted in the form of Demand Draft or in the form of Bank Guarantee from any Nationalized Bank/ Scheduled Bank, Payable at Ranchi along with bid.
10. Bid documents are not transferable.
11. JREDA reserve the right to distribute the total quantities to any number of bidders in the way deems fit. JREDA will adhere to fair and transparent methodology in distribution of total quantities to the successful bidders taking in to consideration of purchase policy of the State, their experience, past performance with JREDA in different programmes and capabilities with respect to manufacturing/testing facilities & their financial strength.
12. JREDA reserve the right to amend the scope of work, accept or reject any or all the offers in part or full or cancel/withdraw the invitation for bids without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.
13. JREDA reserve the right to postpone the date of receipt and opening of bids or cancel the bid without bearing any liability whatsoever consequent upon such decision.
14. Bidder shall submit his permanent Account No. (PAN) copy and recent photographs of Managing Director and all directors or CEO's of the company with name and address or photocopy of passport.
15. The bidder shall submit the GPS Co-ordinate (Longitude & Latitude) and digital photographs of their registered office and factory campus showing their board etc.
16. If at any time any of the documents/information submitted by the bidder is found to be incorrect, false or untruthful, the bid and/or the resultant order may be summarily rejected/cancelled at the risk of bidder.

Director,  
JREDA, Ranchi



**Check list**  
**(Documents to be enclosed)**

- 1.0 Envelope-I: Containing Part-I of the offer document.
- i) Photocopy of the receipt issued by JREDA for the purchase of the offer (NIB) documents or Demand Draft (non-refundable) for Rs. 10,000/- (Ten Thousand Only) in favour of Director, JREDA, Ranchi on any Nationalized/Scheduled bank of India for those who have downloaded the offer document from JREDA web site.
  - ii) Earnest money of appropriate amount in the form of Demand Draft/Bank Guarantee in favour of Director, JREDA, Ranchi on any Nationalized/Scheduled bank of India.
  - iii) Original copy of bid document amendments/revisions to bid documents issued by JREDA, if any duly signed by authorized signatory with company seal on each page.
  - iv) Registration certificate clearly indicating that they are manufacturer of PV module or DC pump set as applicable.
  - v) List of in-house testing facilities along with their photographs.
  - vi) Photocopy of Partnership deed in case of partnership firm.
  - vii) Power of attorney for authorized signatory in case of companies.
  - viii) Financial capability certificate from Bank/Financial Institution indicating that the manufacturer has necessary resources for the execution of the order.
  - ix) Photocopies of IT returns & audited balance sheet & P&L Account for last 3 years duly certified by Chartered Accountant.
  - x) Letter in confirmation of meeting the eligibility condition and qualifications.
  - xi) GPS Co-ordinates (Longitude, Latitude) & digital photograph of registered office and factory campus showing their board.
  - xii) Duly filled technical specification of SPV pump sets.



- 2.0 Envelope –II : Containing part-II of the offer document
- i) Price schedule duly filled both in figures and words. Each page to be duly signed by authorized signatory with seal of the firm
- 3.0 Envelope –III : Containing duly sealed envelope I & II with forwarding letter. The envelope-III should be duly super scribed with NIB number and due date.





Format for covering letter

(To be submitted in the official letter head of the company)

No.....

Date.....

To,

Director,  
Jharkhand Renewable Energy Development Agency  
Plot No. 328/B, Road No. 4, Ashok Nagar,  
Ranchi.

Sub:- Offer in response to NIB No. JREDA/SPV/SWPS/01/2007-08 for Manufacture, Supply, Installation, Commissioning and 2 years CMC of SPV pump sets in selected region of Jharkhand State.

Sir,

We are hereby submitting our offer in compliance with the terms and condition of NIB No.

JREDA/SPV/SWPS/01/2007-08. As specified the offer has been submitted in two envelopes duly marked and sealed.

We further declare:

- a) that we are submitting this offer under the above mentioned NIB after having fully read and understood the nature of work and having carefully noted all the terms and condition laid down in the offer documents.
- b) that, we have never been debarred from executing similar type of work by any Central/State/Public Sector undertakings/Departments.
- c) that we shall execute the work offered as per the terms and conditions of the offer on award of work.
- d) that our offer shall remain valid for placement of order for a period of 120 days from the date of opening of the tender.

Authorized Signatory

Name :-  
Designation:  
Company Seal :



Format for confirmation of Basic Eligibility Criteria  
(To be submitted in the official letter head of the company)

No.....

Date.....

To,

Director,  
Jharkhand Renewable Energy Development Agency  
Plot No. 328/B, Road No. 4, Ashok Nagar,  
Ranchi.

Sub: - Confirmation of meeting the basic eligibility criteria  
NIB No. JREDA/SPV/SWPS/01/2007-08

Sir,

Having read understood and examined the tender documents, we hereby confirm the following towards minimum eligibility conditions to participate in the aforesaid tender.

- i) We are reputed manufacturer of PV modules/DC pump sets/SPV pump sets and have adequate in-house testing facilities for testing of SPV pump sets.
- ii) We possess adequate facility and network in the state of Jharkhand for providing after sale services.

Authorized Signatory

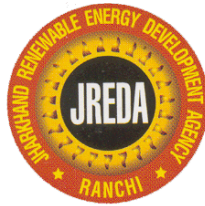
Name :-

Designation:

Company Seal :

Enclosures

1. Copy of registration certificate indicating we are manufacture of SPV module/pump set
2. List of testing facilities with their photographs



## **Section –I**

### **General Terms & Conditions**

#### **1.0 Introduction**

- 1.1** The instruction/information contained in the bid documents are for guidance and compliance of the intending bidder. Bidders are advised to obtain clarification from JREDA, if any, prior to submission of their bid, failing which it will be deemed that the stipulation made in the bid documents have been read, understood and are acceptable to the bidder.
- 1.2** Bidder shall bear all costs associated with the preparation and submission of the bid, journeys undertaken by them and subsequent bidding process till the award of the order to successful bidder and the JREDA shall in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

#### **2.0 Bid documents**

Tender documents shall comprise of all the documents mentioned in the table of contents of this documents. In addition to these any other documents/amendments/revisions or instructions issued by JREDA from time to time to bidders till due date of opening of the offers, shall also be deemed to be integral part of the bid document.

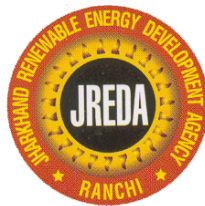
#### **3.0 Cost of Bid**

Non-refundable cost of bid document shall be submitted by the bidder during purchasing of bid document in the form of Demand Draft from any Indian Nationalized Bank/Scheduled Bank, drawn in favour of Director, JREDA, Ranchi.

The cost of bid documents shall be

- Rs. 10,000/- (Rs. Ten Thousand only)
- Rs. 5,000/- (Rs. Five Thousand only) for SSI units registered with Government of Jharkhand
- Rs. Nil for SSI units registered in Jharkhand as well as with NSIC.

Bidders downloading the bid document from JREDA web-site, shall submit the cost of bid at the time of submission of their bid inside Part-I envelope along with EMD failing which their bid will be summarily rejected.



#### **4.0 Earnest Money**

Bid must be accompanied with required amount as earnest money in the form of demand draft or bank guarantee drawn in favour of the director JREDA on any Indian nationalized/ Scheduled bank payable at Ranchi. This shall be enclosed with Part-I of offer (Techno-commercial bid). The earnest money deposit shall be

- Rs. 1,00,000/- (Rs. One Lakh only).
- Rs. 50,000/-(Rs. Fifty Thousand Only) for SSI units registered in Jharkhand.
- Rs. Nil for SSI units registered in Jharkhand as well as with NSIC.

**4.1** Earnest money shall be returned to unsuccessful bidder within 60 days from the date of issue of letter of indent/work order on the successful bidder.

**4.2** The Earnest money will be forfeited if any bidder withdraws his offer during the validity period if the successful bidder fails to furnish his acceptance of order letter within specified time or fails to start the work and execute it within the specified time frame.

#### **5.0 Submission of offer**

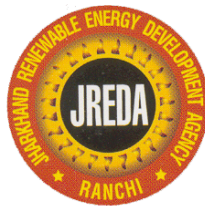
The offer shall be prepared by typing or printing in English with black ink on letter head of the manufacturer in consecutively numbered pages duly signed by the authorized signatory of the manufacturer with seal of the firm affixed on each page.

**5.1** Original copy of the bid document, amendments/ revisions to bid documents issued by JREDA, (if any) shall be signed and submitted along with the bid.

**5.2** The offer shall be free from overwriting but if any corrections are made, the same should be initiated by the person signing the offer.

**5.3** The Part-I i.e. the Techno-Commercial bid shall be submitted complete with the followings:

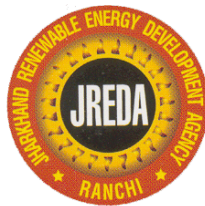
- a)** Complete tender documents as purchased from JREDA or downloaded in full from JREDA web-site must be duly filled and signed (each page) by the authorized signatory with seal of the firm.
- b)** Cost of tender document (non refundable) if downloaded from JREDA web site, must be submitted in an envelope along with part-I of bid documents.



- c) Earnest money of requisite value in one of the acceptable forms as specified shall be enclosed with part –I of the tender .
- d) Registration certificate clearly indicating that they are manufactures of PV module/DC pump set as applicable. The bidder shall also submit the list of in-house testing facility along with their photographs.
- e) A letter in confirmation of meeting the eligibility condition and qualifications.
- f) A copy Permanent Account Number (PAN) & recent passport photograph of Managing Director and all directors & CEO's of the company with name and address or photocopy of the passport.
- g) GPS Co-ordinate (Longitude & Latitude) and digital photograph of registered office and factory campus showing their board etc.
- h) Duly filled check list [5.3 (a) to (i)] shall be enclosed.
- i) Duly super scribed as part-I, Techno-commercial Bid

**5.4** The Part-II i.e the Price bid shall be submitted complete with the following:

- i) The price schedule should be duly filled both in figure and words. Each page to be duly signed by authorized person with seal of the firm. In case of any discrepancy between the price mentioned in figure and words, the price mentioned in words will be considered as final.
- ii) The price bid should not contain any technical matter or other matter except those related to price. The date of opening of the price bid will be notified after opening of Techno-Commercial bid.
- iii) The price bid should be sealed in a separate envelop duly super scribed as Part-II, Price bid.
- iv) The envelopes containing Part-I i.e. Techno-commercial and Part-II i.e. Price bid shall be put inside a third envelope along with a forwarding letter. The cover should be duly super scribed with NIB No. and due date and may be submitted either personally or by registered part addressed to the director, JREDA, Plot No. 328 B, Road No. -4, Ashok Nagar, Ranchi-834002.



### **5.5 Scope of work**

The scope of work includes manufacture, supply, installation, testing, commissioning and 2 years CMC of Solar Photo-Voltaic pump sets (surface and submersible) of 900 Wp, 1200Wp, 1800 Wp and 2400 Wp in selected regions of Jharkhand State.

### **5.6 Price**

The bidder shall quote his price as per schedule of items of work. The contract price & units rates shall be firm and bindings and shall not be subject to any variation except for statutory variation of taxes and duties during the contractual completion period. The price shall be inclusive of all taxes, duties and levies including Jharkhand Vat etc. as on the date opening of tender. The price shall also include manufacturing, inspection, supply, transport, insurance, handling erection at site, testing, commissioning & 2 year CMC. All applicable charges for taking necessary clearance such as commercial tax, road permit etc. wherever required are included in the contract price.

### **5.7 Performance Guarantee**

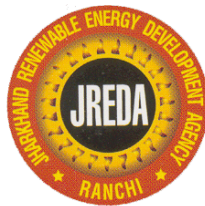
The contract shall furnish Bank Guarantee from a Nationalized Bank/ Scheduled Bank for an amount equate to 5% of the order value against performance guarantee for the due & faithful performance of the agreement along with their terms and conditions.

On due completion of work in all respects the earnest money and all payments due will be returned to the contract, without any interest on presentation of an absolute 'No Demand Certificate' form JREDA, provided always that JREDA shall be entitled to retain, deduct, set off or adjust any claim against the contractor from the money deposited with or becoming payable to JREDA.

### **5.8 Payment terms and conditions**

Subject to any deduction which JREDA may be authorized to make under this contract, the contractor shall be entitled to payment as follows :-

An amount equivalent to 95% of the contract value of the items will be paid after completion of supply, installation, testing and commissioning. Another 5%



of the contract value will be released after two years from the date of commissioning. However, 5% of the contract value will be released against submission of Bank Guarantee.

#### **5.9 Dispatch Instructions**

The manufacturers test report will be submitted for equipments dispatched to the site for setting up of SPV Pumpset. Manufacturer's test report for items to be dispatched will be submitted to JREDA. JREDA reserves the right to get the equipment/material tested by the consultant.

#### **6.0 Road Permit**

Road permits shall be issued to the bidders registered ordered or manufacturing unit (as indicated in the bid) to the work place (site) in Jharkhand. Request for road permit from the place other than the above will not be entertained.

#### **6.1 Liquidated damages for delay in completion**

If the supplier fails in the due performance of the contract to deliver any part of the equipment or complete the work within the time fixed under the contract or any extension thereof granted to him by JREDA and/or to fulfill his obligations in time under the contract, he shall be liable to pay to JREDA as pre-agreed liquidated damages a sum equivalent to ½ % of total contract value per week of such delay or part thereof, subject to maximum of 5% of the total contract value. The liquidated damages for delayed completion shall be recovered from the supplier's bill or security deposit.

#### **6.2 Insurance**

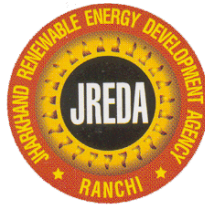
The supplier shall arrange for transit and erection insurance of the materials & equipments for setting up of SPV Pump sets at his own cost.

#### **6.3 Assignment/ Sub-letting**

The contract shall not without the prior consent in writing of the purchase, assign or sublet or transfer his contract or a substantial part thereof provide that any such consent shall not relieve the contractor from any obligation, duly or responsibility under the contract.

#### **6.4 Force Majeure conditions**

In the event of either party being rendered unable by force majeure to perform any obligation required to be performed by them under this agreement, relative



obligation of the party affected by such force majeure shall be treated as suspended during which force majeure clause last.

The term force majeure shall have herein mean riots (other than among the contractor's employee), civil commotion, war (whether declared or not), invasion, act of foreign enemies hostilities, rebellion, insurrection, military coup to usurp power, act of god such as earthquake, lightening, floods, fires not caused by contractor's negligence and other cause which the contractor has no control and accepted as such by the Director, JREDA, whose decision shall be final and binding.

If the work are suspended by force majeure conditions lasting for more than 45 days, the purchasers shall have the option of canceling this contract in whole or part thereof, at its discretion. The contractor shall not claim for compensation for force majeure conditions.

#### **6.5 Completeness of Tender**

All fittings, assemblies, accessories, hardware items, civil & electrical works & safety devices as required shall be deemed to have been included in the tender, whether such items are specially mentioned in the BOQ are not.

#### **6.6 Compliance with regulations**

The contractor shall comply with all applicable laws or ordinances, codes approved standards, rules and regulations and shall procure all necessary municipal other statutory bodies and government permits & licenses etc. at his own cost. The contractor shall leave the purchaser and the Director, JREDA, harmless as a result of any infractions thereof.

#### **6.7 Award of contract**

The contract/order shall be awarded to techno-commercially acceptable & lowest evaluated bidder as per the purchase policy of the state.

#### **6.8 Agreement**

The supplier have to enter into an agreement in the office of the Director, JREDA, in prescribed format before commencement of supply.





## **6.9 Arbitration**

All disputes would be settled within Ranchi jurisdiction of court of law only. All arbitration cases would only be settled under Arbitration & conciliation Act but at Ranchi only.



**Technical Specification of SPV Pumpsets**  
**(Information to be furnished by manufacturer)**

1. Rating of SPV Pump Set

Details	900 W	1200 W	1800 W	2400 W
Pump HP				
Type of Pump Surface/Submersible				
Make				

2. SPV Module Array Wattage for

Details	900 W	1200 W	1800 W	2400 W
VOC at STC (in Volts)				
ISC at STC (in amps)				
Vm at STC (in Volts)				
Im at STC (amps)				
Pmax at STC (in watts)				
Each Module Wattage				
Total No. of Module in array				
Make				

The PV module of reputed make shall contain mono/poly crystalline silicon solar cells with efficiency 11-14% or more.

A strip containing the following details should be laminated inside the module

- ❖ Name of Manufacture or logo
- ❖ Serial No. of module & year of manufacture

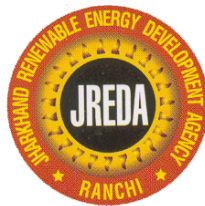


- ❖ Monogram of JREDA with the following details translated in Hindi language shall be laminated in “Devvanagri Script” on the left hand top corner in front of each PV module.
- ❖ Year 2007-08
- ❖ Not for sale or transfer
- ❖ Statutory action would be taken by JREDA, if it found sold/transferred under different section of IPC.

Frame of each PV module shall be painted with golden yellow colour.

Metallic frame structure of M.S. Flat/Angle with corrosion resistant paint to hold SPV array. The frame structure shall have provisions to adjust its angle of inclination to horizontal between 0-45 degree so that it can be installed at the specified tilt.

The manufacturer shall give guarantee for sustained performance of SPV pump sets for a period of 2 years.



### **Format for submission of Tender**

1. Name of Manufacturer :
2. Office Address :
3. Work Address :
4. Telephone Nos. :  
Fax :  
Email :
5. Type of firm :
6. Details of SPV module,  
submersible/surface pumps :  
manufactured by the manufacturer (make)
7. ISO or equivalent certification : Attach proof  
(Quality Assurance System)
8. Details of manufacturing facilities : (Brief description of the manufacturing  
process and infrastructure list of machinery)
9. Details of in-house SPV pumps :  
set testing facility
10. Service network in Jharkhand :
11. Annual Turnover & :  
manufacturing capacity
12. Confirmation of meeting the eligibility :  
Condition & qualifications
13. PAN Number :
14. GPS Co-ordinate & digital photographs:  
of registered office & factory campus  
showing board etc.
15. Any other information in support  
of this tender



#### 16.Undertaking

- a) We agree to manufacture and supply quality SPV module/ pump set as per MNRE specifications.
- b) We agree to give performance guarantee as specified and to abide by the scope of the guarantee as prescribed under the tender document
- c) We agree to operate as per the terms & conditions of the tender.
- d) The MRP offered for marketing SPV Pump sets, manufactured as per the standard specification and are most competitive.

We undertake to supply quality products for promoting energy efficiency in the era of water pumping.

Date :

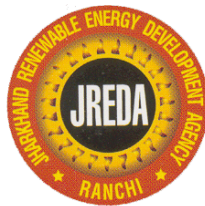
Signature)

(Authorized

Name :

Designation :

Company Seal



### **Schedule of Price**

Name of Manufacturing Firm: \_\_\_\_\_

Sl. No.	Rating of SPV module	Pump HP	Unit Price (Rs.)	Unit Price in words
1	900 W			
2	1200 W			
3	1800 W			
4	2400 W			

Unit Price is inclusive of all taxes & levies F.O.R destination, installation testing, commissioning & 2 years CMC.

Date of offer:  
Signature)

(Authorized

Name :

Designation :

Company Seal