



Govt. of Jharkhand
Energy Department
Jharkhand Renewable Energy Development Agency (JREDA)

3rd Floor, S.L.D.C. Building, Kusai Colony, Doranda, Ranchi-834002.

Ph.: 0651-2491161, Fax: 0651-2491165,

E-mail: info@jreda.com; Website: www.jreda.com

e-Procurement Notice (Urgent)

Tender Reference No.: 24/JREDA/WS/19-20

Date: 15.02.2020

1	Name of the work	Engagement of Training/Consultancy Firms towards conducting training to solar technicians of Single Village Piped Water Supply Scheme.
2	Estimated Cost (Rs.)	Rs. 30,00,000/-
3	Period of Engagement	12 (Twelve) Months
4	Date of publication of NIT on website: http://jharkhandtenders.gov.in	15.02.2020 (Saturday)
5	Last date & time for receipt of online bids	26.02.2020 (Wednesday) upto 05:00 PM
6	Submission of original copies of Bid fee & EMD (Offline)	26.02.2020 and 27.02.2020 up to 5.00 P.M.
7	Technical Bid Opening Date	28.02.2020 (Friday) at 03:00 PM
8	Name & address of office inviting tender	Director, Jharkhand Renewable Energy Development Agency (JREDA), 3rd Floor, SLDC Building, Kusai, Doranda, Ranchi- 834002 (Jharkhand)
9	Contact no. of procurement officer	0651-2491163/61
10	Helpline no. of e-procurement	0651-2491163/61

Any corrigendum/addendum can be seen on website: <http://jharkhandtenders.gov.in> & www.jreda.com. Further details can be seen on website: <http://jharkhandtenders.gov.in> & www.jreda.com

Sd/-
Director,
JREDA, Ranchi



JHARKHAND RENEWABLE ENERGY DEVELOPMENT AGENCY (JREDA)
3rd Floor, SLDC Building, Kusai, Doranda, Ranchi- 834002.
Ph.No: 2491161, Fax No: 0651-2491165
Web site: www.jreda.com, E-mail: info@jreda.com

Short Term Notice Inviting Bid

NIB No. 24/JREDA/WS/19-20

Jharkhand Renewable Development Agency (JREDA) incorporated as a society under the Society Act, 1860 under the administrative control of the Department of Energy, Govt. of Jharkhand for promoting use of renewable energy sources and having its registered office at Kusai Colony, Doranda, Ranchi, Jharkhand-834002.

JREDA invites tender from reputed agencies / firm for conducting training for Skill development for workmen/ technical staff often requires demonstrative approach involving exposure of the participants to the best practices. It is quite useful for participants to get involved and pick up new ideas during the training program and take up a practice-oriented exercise and present their results to the co-participants and faculty.

Sealed bids are invited from financially sound firms having experience of similar nature of work for the following:

Name of the work	Earnest Money Deposit (Refundable) (In Rs.)	Cost of Tender Document Non-refundable (In Rs.)	Last date and time for submission of tender	Date and time for opening the tender
Engagement of Training/Consultancy Firms towards conducting training to solar technicians of Single Village Piped Water Supply Scheme.	<ul style="list-style-type: none">Rs. 60,000/- (Rupees Sixty Thousand only) for General BiddersNil for MSE of Jharkhand.	<ul style="list-style-type: none">Rs. 5,000/- (Rupees Five Thousand only) for General Bidder.Nil for MSE of Jharkhand.	26.02.2020 upto 05:00 PM	28.02.2020 at 03:00 PM

Terms & conditions:

1. Tender documents can be purchased from the office of the undersigned during office hours on any working day till the day before submission of the tender after depositing the cost of Tender document (Non-refundable) in the shape of Bank Draft in favour of Director, JREDA payable at Ranchi. Tender document can also be downloaded from



JREDA Website (www.jreda.com). In that case the cost of the document in the form of DD is to be enclosed with the technical part of the bid.

2. No postal request for issue of Tender document will be entertained.
3. The tender must be accompanied with the Earnest Money Deposit (refundable) in shape of Bank Guarantee or Demand Draft issued from any Indian nationalized/scheduled bank in favour of Director, JREDA payable at Ranchi. Proof of EMD must be attached with tender documents otherwise the tender will be rejected without assigning any reason thereof.
4. The undersigned reserves the right to issue the tender document /extend the date of sale/submission of tender/opening of tender and cancellation of tender without assigning any reason thereof.

Sd/-
Director,
JREDA, Ranchi



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3rd Floor, SLDC Building, Kusai, Doranda, Ranchi- 834002.
Ph.No: 2491161, Fax No: 0651-2491165
Web site: www.jreda.com, E-mail: info@jreda.com

NIB No. 24/JREDA/WS/19-20

GENERAL TERMS AND CONDITIONS

Sealed tender is invited for Engagement of Training/Consultancy Firms towards conducting training to solar technicians of Single Village Piped Water Supply Scheme in Jharkhand having prerequisite conditions as detailed below:

1 Eligibility Criteria:

i. Technical

- a) Company/ Firm should be registered with GSTIN (Copy of supporting document)
- b) Consortium/ Joint venture shall not be considered.

ii. Experience:

The Firms/Agencies/Consultancy should have at least 1 year of requisite experience in providing trainings in the field of solar energy.

iii. Financial:

a) Turnover:

Minimum Annual Average turnover of ₹ 10 Lakhs. only from consultancy services/training programs related to Solar Energy.

b) Net Worth:

The Firms/Agencies/Consultancy should have a positive net worth.

Other Conditions:

- a) 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, shall be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.



b) **Security Deposit**

- i. The Successful General Bidder shall submit Security deposit @ 5% of work order value / Successful MSE bidder of Jharkhand shall submit Security deposit @ 0.5% of work order value at the time of agreement, in the shape of Demand Draft / Bank Guarantee issued, valid for period of 12 (twelve) months from the date of execution of agreement plus 2 months claim period thereafter. The Demand Draft / Bank Guarantee shall be in favour of "Director, JREDA".
- ii. If Security deposit is not submitted within stipulated period from the date of issue of work order then JREDA shall cancel the work order.

2 **Scope of work:**

The Scope of Work for Training/Consultancy Firms towards conducting 2 Days of training program to solar technicians of 182 no's of Single Village Piped Water Supply Scheme is mentioned below:

1. Developing details training implementation plan in consultation with JREDA and Neer Nirmal Pariyojana team.
2. Preparing simple reference materials i.e. Guideline for solar Maintenance, FAQ on Solar Maintenance in Hindi and English on solar maintenance for empanelled technicians.
3. Developing details training module with case studies on diverse aspects of solar maintenance.
4. Organizing training including theoretical and practical training to solar technicians as per plan submitted.
5. Submission of the final report with all required financial and physical progress report.
6. Solar technicians of 182 no's of Single Village Piped Water Supply Scheme has to be trained, however this no. may vary as per the requirement and availability of resources.
7. All the coordination work related to the Workshop.

3 **Details of 2 days Theory cum practice oriented program:**

The proposed activity shall adhere to the following:

- 2 days Theory- cum- practice oriented training program for solar technicians Single Village Piped Water Supply Scheme.
- The maximum number of candidates for any 2 days training program shall be 30 nos.
- The Training program shall cover (but not limited to) the following focus areas:



a. Introduction

- i. Global and Indian Energy Scenario
 - ii. Introduction to Solar Cell, types and behaviour
 - iii. Construction of PV module
 - iv. Demonstration of different types of Solar PV cell
- b. Supply of Solar panel as per MNRE Guideline**
- i. Identify and understand the Standards for selection of modules
 - ii. Standards, certifications and warranties

c. Solar panel characteristic and performance

- i. Electrical characteristics of PV module
- ii. Output of PV module to variable irradiation and temperature
- iii. Reading Datasheet of a PV module
- iv. Hands-on : PV Module IV Characteristics

d. Installation of solar PV panels

- i. Solar Radiation, Spectrum and Beam / Reflected Light
- ii. Standard Test Conditions
- iii. Sun Position, Collector Angle Optimization
- iv. Shadow effect on solar PV module output
- v. Identifying safe distance for avoiding shadow
- vi. Estimating shading loss for installation site
- vii. Different tools for shading analysis

e. Operation and Maintenance

- i. What is O&M
- ii. Parts of O&M
- iii. Challenges to O&M
- iv. Factors that affect cost of O&M

f. Safety measurements checklist

- i. General Safety
- ii. PPE
- iii. Specific Safety
- iv. Grounding and Earthing protection
- v. Over Current and Short circuit protection
- vi. Installation Safety
- vii. Theft Protection
- viii. Isolation Protection



4 Evaluation Criteria and Evaluation of Proposals

JREDA will evaluate the proposal receipt through JREDA purchase committee for a detailed scrutiny. During evaluation of Proposals, JREDA, may, at its discretion, ask the bidders for clarification of their Proposals. The process for evaluation of Proposals is as given below-

Technical Evaluation: If a Technical Proposal is determined as not substantially responsive, JREDA will reject it. Technical Proposals conforming to eligibility criteria will be taken up for detailed technical evaluation. The bidders would be required to make presentation before the Technical Committee if required, for which intimation would be given to the Firms/Agencies/Consultants with a notice of at least 7 days along with date, place and time of such presentation. The parameters and weightages to be used for technical evaluation will be as follows:

Technical Evaluation Break-Up

1.	Past Experience	60 Marks
2.	Manpower Strength	40 Marks

1. Past Experience Marks Break-up

S.No.	Past Experience	60 Marks
1	Experience of conducting training programmes on Solar Energy (Please Attach Work Order/Contract and Work Completion Certificate as a proof)	30 Marks
A	More than 5 Years	30
B	Between 3 to 5 Years	20
C	up to 3 Years	10
2	Experience in Conducting Renewable Energy Awareness Campaigns (Please Attach Work Order/Contract and Work Completion Certificate as a proof)	20 Marks
A	More than Three (03) assignments	20
B	Up to Three (03) assignments	15
2	Experience in Conducting Training for multilateral organizations (Please Attach Work Order/Contract and Work Completion Certificate as a proof)	10 Marks
A	More than Three (03) assignments	10
B	Up to Three (03) assignments	05



2. Manpower Strength

Sr.	Description	Break up
1	Manpower Strength	40 Marks
1.1	Number of Skill Council Certified / NISE Certified Renewable Energy Trainer / Managers to be employed the Bidding firm for the training programme: <ul style="list-style-type: none"> • 3 Number of Skill Council Certified / NISE Certified Renewable Energy Trainer • Up to 3 Number of Skill Council Certified / NISE Certified Renewable Energy Trainer 	20 Marks 20 Marks 10 Marks
1.2	Qualification of the personnel (relevant to Power Sector/Energy Sector) <ul style="list-style-type: none"> • Diploma • Graduate • Post Graduate 	10 Marks 1.0 mark to each, maximum 3 marks 1.5 mark to each, maximum 3 marks 2.0 mark to each, maximum 4 marks
1.3	Experience of personnel in consulting/training assignments. <ul style="list-style-type: none"> • 1 – 4 assignments • 5 – 10 assignments • More than 10 assignments 	10 Marks 1.0 mark to each, maximum 3 marks 1.5 mark to each, maximum 3 marks 2.0 mark to each, maximum 4 marks

Evaluation Method:

It will be Quality cum Cost Basis Selection (QCBS). Bids of all Bidders shall be evaluated based on the above-mentioned criteria to arrive at a Technical Score for Each Bidder. Only bids having a Technical Score greater than 70 marks shall be qualified for the next stage: i.e. opening of the Financial Bid. The bidder attaining a Technical Score lower than 70 marks shall be disqualified and their respective Financial Proposal shall not be opened.



The **Financial Bids** of only those Bidders that have qualified as per the criteria mentioned above shall be opened. The Financial Bids shall be evaluated and a Financial Score shall be determined for each bidder. The Financial Score shall be calculated based on the following formula:

$$Sf = 100 \times Fm / Fx$$

Where Sf shall mean the **Financial Score** of the bidder to be evaluated;

Fm shall mean the lowest price offered among all the bidders; and

Fx shall mean the price quoted by the bidder to be evaluated.

The total score of each Bidder shall be its Technical Score out of 100 Marks multiplied by 70% to which Financial Score worked out above multiplied by 30% will be added. The bidder with highest total score will be Successful Bidder.

5 Payment terms and conditions:

Subject to any deduction which JREDA may be authorized to make under this contract, the Training/Consultancy Firm shall be entitled to full payment after the completion of the assignment and submission of required documents to JREDA.

Note: Technical Bid should be submitted in an envelope with sealed & super scribed as **“Technical Bid for Solar Training”**, Financial Bid has not to be submitted in hard copy along with the technical bid. The Bid part should be sealed in the envelope duly superscribed NIB no./Subject/Bidder’s name & address.

Agreed and accepted the above terms and conditions

(Signature & Seal of the Firm/ Agency/ consultancy)



Annexure-1

NIB No. 24/JREDA/WS/19-20

Check list

Sl. No.	Particulars	Yes/No
1	Bid fee (Rs. 5000/-)	
2	Earnest Money Deposit (EMD) (Rs. 60,000/-)	
3	Copy of self attested PAN Card with Income Tax Return (ITR) of last financial year.	
4	Copy of the audited balance sheet of last financial year.	
5	Copy of self attested GST Registration Certificate	
6	Copy of Experience Certificate of at least one year of similar work	

(Signature & Seal of the Firm/ Agency/ consultancy)



Format For Financial Requirement – Annual Turnover

NIB No: 24/JREDA/WS/19-20

[On the letterhead of Bidding Company]

To,

The Director,
Jharkhand Renewable Energy Development Agency
3rd Floor, S.L.D.C. Building,
Kusai Colony, Doranda,
Ranchi - 834002

Dear Sir,

Sub: **Engagement of Training/Consultancy Firms towards conducting training to solar technicians of Single Village Piped Water Supply Scheme.**

We certify that the Bidding Company had an cumulative Annual Turnover of Rs. -----
----- based on audited annual accounts ending 31.03.2019. Firms shall fill the details
for more years in case firm is more than one year old.

Sl. No.	Financial Year	Turnover (in Rupees)
1.	2016-17	
2.	2017-18	
3.	2018-19	
	Cumulative Annual Turnover	

UDIN.....

Authorised Signatory
(Power of Attorney holder)

Statutory Auditor
(Stamp & Signature)

Date:



Format For Financial Requirement - Net Worth Certificate

NIB No: 24/JREDA/WS/19-20

[On the letterhead of Bidding Company]

To,

The Director,
Jharkhand Renewable Energy Development Agency
3rd Floor, S.L.D.C. Building,
Kusai Colony, Doranda,
Ranchi – 834002

Dear Sir,

Sub: Engagement of Training/Consultancy Firms towards conducting training to solar technicians of Single Village Piped Water Supply Scheme.

This is to certify that Net worth of _____ {insert the name of Bidding Company}, as on 31st March 2019 is Rs _____. The details are appended below.

Particulars	Amount (In Rs.)
Equity Share Capital	
Add: Reserves	
Subtract: Revaluation Reserve	
Subtract: Intangible Assets	
Subtract: Miscellaneous Expenditure to the extent not written off and carried forward losses	
Net Worth as on 31 st March 2019	

UDIN.....

*Authorised Signatory
(Power of Attorney holder)*

*Statutory Auditor
(Stamp & Signature)*



Annexure-4

Details of Orders Received and Executed in Last 3 Years

NIB No: 24/JREDA/WS/19-20

Details of Orders Received & Executed as per NIB for Govt. Organization during Last Three Years.

S.No	Name of the assignment and brief scope	Name of the Project	Client of Project assignment	Assignment Awarded By	Cost of the Assignment	Date of Commencement	Date of completion	Assignment satisfactorily completed
1	2	3	4	5	6	7	8	9

Yours faithfully,

(Signature of Authorized Signatory)

Name :

Designation :

Company Seal :

Note:

- Attach Photocopies of Purchase Orders
- Attach Photocopies of Certificate of Satisfactory Performance Issued by Concerned Nodal Agency/*PSU*/ Govt. Organization
- Separate sheet may be used for giving detailed information in seriatim duly signed with page number. Proof of work order/purchase order and corresponding performance certificate should be submitted/enclosed in the bid. Non-submission of the work orders and corresponding performance certificate will be treated as no experience.



Annexure 5

Details of Team

NIB No: 24/JREDA/WS/19-20

(Composition of the team personnel and the task which would be assigned to each team Member for the proposed assignment)

S. No	Name	Position	Qualification	Area of Expertise	Task Assignment
1	2	3	4	5	6

Signature
Full Name & address
Seal



CV Format

NIB No: 24/JREDA/WS/19-20

(SUGGESTED FORMAT OF CURRICULUM VITAE FOR MEMBERS OF TRANSACTION TEAM)

Name of Firm	
Name of Staff	
Current Position	
Years with Firm	
Nationality	
Relevant Experience	

Note: In case of faculty / speaker invited from outside their firm by the Bidder,
i) Name of Firm can be mentioned as "Independent/Speaker firm's name",
ii) Current Position can be indicated as "Outsourced Speaker / Faculty"; and
iii) Years with the firm can be mentioned as "Not Applicable"

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.

Date: Full name of Staff Member: Full name of Authorized Representative:

Signature
Full Name & address
Seal



Annexure 5-b

Qualification and experience of the key personnel

NIB No: 24/JREDA/WS/19-20

S. No	Name of the Key Personnel	Position	Qualification	Experience

Signature
Full Name & address
Seal



Financial Proposal

NIB No: 24/JREDA/WS/19-20

(BOQ in excel)

(Not to be submitted in hard copy)

Financial proposal for the contract work under **NIB No: 24/JREDA/WS/19-20**

S. N	Name of the Work	Amount (in Rs.)	
		In figures	In words
1	2 Days training to Solar technicians of 182 nos. of Single Village Piped Water Supply Scheme.		

Signature
Full Name & Address
Seal



Financial Proposal

NIB No: 24/JREDA/WS/19-20

(BOQ in PDF)

(Not to be submitted in hard copy)

Financial proposal for the contract work under NIB No.: **24/JREDA/WS/19-20**

2 Days training to solar technicians of 182 nos. of Single Village Piped Water Supply Scheme.

S. N	Name of the Work	Amount (in Rs.)	
		In figures	In words
1	Manpower Cost(Trainer and Training Management)		
2	Venue(Including audio Visual) and travel cost to sites		
3	Food and Refreshments		
4	Outreach, Reference Guidebook, Pen Drive, Stationary and Paining		
5	Any Other Cost		
	Total		

Signature
Full Name & Address
Seal



Annexure-7

Format for Submitting Bank Guarantee for Earnest Money Deposit

NIB No: 24/JREDA/WS/19-20

(To be submitted in Rs. 100/- Non-Judicial Stamp Paper to be purchased in the name of the issuing bank)

To,

The Director,
Jharkhand Renewable Energy Development Agency
3rd Floor, S.L.D.C. Building,
Kusai Colony, Doranda,
Ranchi - 834002.

WHEREAS (Contractor's name) (hereinafter referred to as "Contractor"), a company registered under the Companies Act, 1956 and having its registered office at is required to deposit with you, the Purchaser, by way of Earnest Money Rs. (Rupees only) in connection with its tender for the work with reference to Notice Inviting Bid (NIB) No. dated as per specification and terms and conditions enclosed therein.

WHEREAS the Contractor as per "Notice Inviting Bid, point no. 3 Earnest Money" has agreed to establish a Bank Guarantee in Your favour through us valid up to (Date) instead of deposit of earnest money in cash.

WHEREAS you have agreed to accept a Bank Guarantee from us in instead of earnest money in cash from the Contractor.

1. We (Bank) hereby agree and undertake to pay you on demand the said amount of Rs. (Rupees only) without any protest or demur in the event the Contractor/Tenderer after submission of his tender, resiles from or withdraws his offer or modifies the terms and conditions thereof in a manner not acceptable to you or expresses his unwillingness to accept the order placed and/or letter of intent issued on the Contractor/Tenderer for the work under "Notice Inviting Bid Ref. No.: **24/JREDA/WS/19-20**".



2. Your decision as to whether the Contractor/Tenderer has resiled from or has withdrawn his offer or has modified the terms and conditions thereof in a manner not acceptable to you or has expressed his unwillingness to accept the order placed and/or Letter of Intent issued by you on the Contractor/Tenderer for the work under "Notice Inviting Bid Ref. No.: **24/JREDA/WS/19-20** in this regard, shall be final and binding on us and we shall not be entitled to question the same.
3. Notwithstanding anything contained in the foregoing, our liability under this Guarantee shall be restricted to Rs. (Rupees only).
4. This Guarantee shall remain valid and in full force and effect up to (Date) and shall expire thereafter unless an intimation is given to the Bank by you earlier in writing discharging us from our obligation under this Guarantee.
5. We shall not revoke this Guarantee during its currency except by your consent in writing.
6. This Guarantee shall not be affected by any change in the constitution of the Contractor/Tenderer or yourselves or ourselves but shall ensure to your benefit and be enforceable against our legal successors or assignees by you or your legal successors.
7. Notwithstanding anything contained herein above unless a demand or claim under this Guarantee is made on us in writing within six months from the date of expiry of this Guarantee we shall be discharged from all liabilities under this Guarantee thereafter.
8. We have power to issue this Guarantee under our Memorandum and Articles of Association and the undersigned who is executing this Guarantee has the necessary power to do so under a duly executed Power of Attorney granted to him by the Bank.

Signed and Delivered

For and on behalf of Bank.

(Banker's Name)

Name of Bank Manager:

Address

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