

Request for Quotation (RFQ)

Title of the service required	Conversion of Off-Grid Solar Systems to On-Grid Solar Systems in 8 RZP Schools Navi Mumbai – Uran & Taloja Region									
RFQ Issue Date:										
Brief explanation of the product/service required	<p>The Raigad Zilla Parishad (RZP) Schools in the Uran (7 schools) and Taloja (1 school) regions currently operate on Off-Grid Solar Power Systems. These existing systems are required to be converted into On-Grid Solar Systems with net/reverse metering, complying with MSEDCL and MNRE norms.</p> <p>This conversion is essential to:</p> <ul style="list-style-type: none">• Ensure efficient utilization of solar power• Enable energy export to the grid• Reduce electricity bill dependency• Maintain system stability during high-load periods <p>The total system capacity to be converted is 26 kWp, comprising 3 kW units in 7 schools and 1 unit of 5 kW in Taloja. The scope includes design, supply, installation, testing, commissioning, and liasioning with DISCOM/MSEDCL authorities.</p>									
Specification of the product/type of service	<p>Solar On-Grid System Specifications</p> <table><tr><th>Component</th><th>Specification Requirements</th></tr><tr><td>On-Grid Solar Inverters (MNRE Approved)</td><td><ul style="list-style-type: none">• Total Units: 8• 7 Units – 3 kW Single Phase• 1 Unit – 5 kW Single Phase• DC Input Voltage Range: 70V – 550V• Output Voltage: 230V AC• Frequency: 50 Hz• MPPT Efficiency ≥ 98%• Anti-islanding protection</td></tr><tr><td>ACDB & DCDB</td><td>Standard safety features with MCBs, surge protection & isolators</td></tr><tr><td>Cabling</td><td><ul style="list-style-type: none">• DC Cable: 1C × 4 sq.mm• AC Cable: 2C × 25 sq.mm• PVC Copper – Multistrand</td></tr></table>		Component	Specification Requirements	On-Grid Solar Inverters (MNRE Approved)	<ul style="list-style-type: none">• Total Units: 8• 7 Units – 3 kW Single Phase• 1 Unit – 5 kW Single Phase• DC Input Voltage Range: 70V – 550V• Output Voltage: 230V AC• Frequency: 50 Hz• MPPT Efficiency ≥ 98%• Anti-islanding protection	ACDB & DCDB	Standard safety features with MCBs, surge protection & isolators	Cabling	<ul style="list-style-type: none">• DC Cable: 1C × 4 sq.mm• AC Cable: 2C × 25 sq.mm• PVC Copper – Multistrand
Component	Specification Requirements									
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ACDB & DCDB	Standard safety features with MCBs, surge protection & isolators									
Cabling	<ul style="list-style-type: none">• DC Cable: 1C × 4 sq.mm• AC Cable: 2C × 25 sq.mm• PVC Copper – Multistrand									

		<ul style="list-style-type: none"> • Flame retardant & corrosion-resistant • Operating Temperature: -40°C to +80°C
	Earthing & Lightning Protection	<ul style="list-style-type: none"> • 3 Earth pits per school • Lightning arrestor installation • System earthing & equipment earthing
	Monitoring System (optional)	Vendor may include remote monitoring options (Remote Monitoring System)
	Installation	As per CEIG/MSEDCL/MNRE guidelines
	Liaisoning	Vendor should manage complete DISCOM net-metering process
	Warranty	Minimum 5-year warranty on inverter & components
<p>Note: Final specifications may vary based on site assessment and component availability. &</p> <p>Supporting Documents (Attached in ZIP File)</p> <p>The following documents are attached for reference :</p> <ul style="list-style-type: none"> • Electricity bills of all 8 schools • GPS coordinates and school locations • Load inventory • Specifications of existing Off-Grid solar systems • Images of current installations and school infrastructure • Additional supporting data 		
Project Timeline / Work Plan	<p>The vendor must submit a school-wise timeline / work plan along with the proposal. The timeline must include the sequence of activities and approximate duration for each stage.</p>	
	Activity	Details Required
	Site Assessment	Schedule of visits to all 8 schools
	System Design & Approval	Design preparation and approval timeline
	Material Procurement &	Estimated delivery period

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	Delivery	
	Installation & Commissioning	School-wise implementation plan
	Net-Metering & Liaisoning	Duration for DISCOM/MSEDCL process
	Final Handover & Training	Training + final documentation
Quantity	Total Schools Covered: 8 <ul style="list-style-type: none"> • 7 Schools – 3 kW each • 1 School – 5 kW • Total Capacity = 26 kWp 	
Additional details if required (Drawings / Writeup etc)	The upgraded system needs to integrate with existing solar panels and operate efficiently under real-time school load conditions. The vendor may submit: <ul style="list-style-type: none"> • Single-line diagram (SLD) • Net-metering approach • Component datasheets • Installation layout / drawings Safety compliance declarations	
Submission Requirements	Technical Proposal: <ul style="list-style-type: none"> • Product brochure / datasheet • Detailed technical specification • Warranty and service information • Installation and training support details Financial Proposal: <ul style="list-style-type: none"> • Item-wise quotation with taxes clearly mentioned • Validity of the quotation (minimum 30-60 days) • Delivery timeline and installation charges (if any) Company Profile: <ul style="list-style-type: none"> • GST certificate • PAN • List of previous clients 	

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Shipping/Service address	Sr. No.	School Name	Co-ordinates / Locations
	1	RZP School, Aware	https://maps.app.goo.gl/YowvMW2Fkrd1qwY6A
	2	RZP School, Daurnagar	https://maps.app.goo.gl/FedNKuZNRHh8v6Sg6
	3	RZP School, Kegaon	https://maps.app.goo.gl/VyNAjrz6CYABvzR7
	4	RZP School, Mothijui	https://maps.app.goo.gl/sn4HYPsnok2eXgCz5
	5	RZP School, Nagaon	https://maps.app.goo.gl/g6z6Z6QvkXs3hwtK8
	6	RZP School, Navin Sheve	https://maps.app.goo.gl/nBece93ZQ8XoqMxu8
	7	RZP School, Tondare	https://maps.app.goo.gl/8ooCxFmVyzsGNia59
	8	RZP School, Vasheni	https://maps.app.goo.gl/8TQD8XDVoNpEUomt6
Deadline for receiving the quotation (mail or hard copy as stated in terms below)	08.12.2025		

Evaluation Criteria

All submitted quotations will be evaluated based on the following criteria

1. Technical Compliance (40%)

- a. Adherence to the required specifications
- b. Quality of materials and build
- c. Safety features
- d. Warranty period
- e. Availability of installation and training support

2. Financial Proposal (30%)

- a. Total cost (inclusive of taxes and delivery)
- b. Cost-effectiveness in comparison to other bids
- c. Transparency of pricing (no hidden charges)

3. Vendor experience and Capability (15%)

- a. Experience in supplying similar equipment
- b. Past performance with government/NGO/municipal clients
- c. Technical expertise and competent service team

4. After-Sales Service & Support (10%)

- a. Availability of service centre or on-site support
- b. Response time for maintenance
- c. AMC (Annual Maintenance Contract) options

5. Delivery Timeline (5%)

- a. Ability to deliver and install within the required timeframe

Payment Terms

1. Advance Payment (50%)

- a. 50% of the total contract value will be released as advance
- b. Only upon submission of a Bank guarantee or a Security Cheque equivalent to the advance amount.

2. Delivery Payment (30%)

- a. 30% will be released after successful delivery of the Installation **work in 6 designated Schools.**
- b. Subject to verification of condition and conformity with specifications.

3. Installation Payment (20%)

- a. 20% will be released after successful installation, testing and demonstration of the machine's full functionality.

Required documents

- Tax invoice
- Delivery challan
- Installation & Commissioning pictures
- Warranty certificate

Payment Method

Payment will be made through bank transfer to the vendor's registered bank account.

Submission Method

Submission of quotes

All quotations must be submitted electronically to the designated email: procurement@tide-india.org with subject line "Quotation for **Conversion of Off-Grid Solar Systems to On-Grid Solar Systems in 8 RZP Schools**"

Submission must include the technical proposal, financial proposal, and all required supporting documents. Late submissions will not be considered.

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Deadline for submission

All quotation must be submitted on or before **08.12.2025**

Queries and Clarifications

Vendors may submit any questions or clarification requests to: info@tide-india.org. All queries must be sent on or before **08.12.2025**

ANNEXURES

Annexure I: Letter for EOI Submission to Be Submitted on the Letter Head of the Institution

Annexure II: Information regarding any Conflicting activities and declaration

Annexure III: Details of a minimum of 3 similar works executed by the bidder.

Annexure IV: Quote/Bid FORM

Annexure V: Specification and details of the equipment

ANNEXURE I

LETTER FOR EOI SUBMISSION TO BE SUBMITTED ON THE LETTERHEAD OF THE ORGANISATION

Ref: No:

Date:

Executive Director,
TIDE, FF-1, Sapthagiri Apartments,
No.30, 10th Cross, 15th Main Road,
RMV Extension, Sadashiv Nagar,
Bengaluru – 560080

Dear Sir/Madam

We, the undersigned, offer to provide the services as required in your invitation for EOI dated: -
----- . We are hereby submitting our proposal with all the requisite information and documents.

We hereby certify that all the information and statements made in this proposal are true and accept that any misstatement or misrepresentation in the enclosed documents may lead to our disqualification.

We understand that you are not bound to accept/reject any proposal without assigning any reason.

Yours faithfully

Authorized Signatory

NAME & DESIGNATION

ANNEXURE II

INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND DECLARATION THEREOF

Is the party engaged in any activities which conflict with the proposed activities of TIDE as mentioned in this document?

If yes:

Please furnish information on activities the institution is engaged in, which in your opinion, is of a nature that conflicts with the assignment desired to be awarded by CoE.

If no:

We hereby declare that our organization is not either directly or indirectly engaged in any activities which can be termed conflicting activities as mentioned in the EOI document. It is understood that any misrepresentation or misstatement in this regard shall lead to our organization to be disqualified from the entire process.

Signature of the authorized signatory

Name

Designation

TO BE SUBMITTED ON THE LETTERHEAD

ANNEXURE III

Details of a minimum of 3 similar works executed.

(Amount Rs. in Lakh)

Sl.No.	Nature of similar work carried out	Name of the party for whom such work was carried out	The total value of the work	Period of the assignment	Contact person name and mobile no.

AUTHORISED SIGNATORY

Technology Informatics Design Endeavour (TIDE)



TO BE SUBMITTED ON THE LETTERHEAD

ANNEXURE IV

Quote/Bid FORM

To

The Executive Director

TIDE

FF-1, Sapthagiri Apartments, No. 30, 10th Cross, 15th Main Rd,

Raj Mahal Vilas Extension, Sadashivanagar,

Bengaluru, 560080

I hereby offer to submit our EOI for the

“.....” assignment as a Service

Provider/Expert/supplier of material/services etc.

Sl No.	Parameters	Particulars/Description
1.	Name	
2.	Address	
3.	Contact Details	Email: Mobile:
4.	Total Lumpsum Cost/Fee (in Rupees) Inclusive of GST for work completed as per ToR	
5.	GST Number (If no GST please submit a declaration)	

Note: Site Visits charges will not be reimbursed

Declaration:

I certify that the above particulars are correct. I understand and agree that if any statement is found to be false or incorrect, TIDE reserves the right to reject my application.

I certify that if awarded the assignment, I shall maintain confidentiality and shall avoid conflict of interests.

Signature:

Place:

Full name:

Date:

TO BE SUBMITTED ON THE LETTERHEAD

Annexure V

Specification and details of the equipment