



OREDA Limited

BID DOCUMENT for Tender for

Design, Manufacture, Supply, Installation (Erection), Testing, Commissioning, including Warranty and Comprehensive Maintenance Contract for a period of 5 years of 660 numbers Solar energy based dual pump pipe water supply schemes in the state of Odisha under RWS&S (Basudha) and OREDA.

Date of release of bid	07.08.2025
Date and time of last submission	14.08.2025 at 5.00 PM Online 16.08.2025 at 1-00 PM hard copy
Opening of Techno-commercial bid (Part-I)	18.08.2025 at 12.00 PM
Date of opening of the price bid(part-II)	18.08.2025 at 4.30 PM

E-TENDER CALL NOTICE No. - 3467
/OREDA DATE-07/08/2025

S-3/59, MANCHESWAR INDUSTRIAL ESTATE, BHUBANESWAR-751010

Phone: (0674) 2588260, 2586398, 2580554. Fax:2586368

Website: www.oredaorissa.com, Email: ceoreda@oredaorissa.com

Background

Solar energy based dual pump piped water supply scheme:

Bore well / tube wells are the only sources of drinking water in small / inaccessible / habitations. When water level in the wells depletes or hand pumps go out of order providing minimum life supporting safe drinking water in these villages comes as a very big challenge. Since most of these habitations are either un-electrified, power starved or the power supply is highly erratic energizing the wells with normal grid power is also very difficult. Frequent natural calamity disrupts the normal water supply due to grid failure. In such scenario Solar PV water pumping systems in tandem with regular existing hand pumps (called as dual pump) emerge as viable option for ensuring uninterrupted drinking water supply with minimum recurring expenses.

About 660 Schools/AWCs will be covered under the program. RWS&S (Non Jala Jivan Mission) and other Depts., DMF (State budget) will provide the full finance; list of Schools/AWCs, locations of the bore wells within the village and water yielding report of each selected bore well. Solar module on top of the OHT models are proposed for this project.

In view of the large geographical spread and limited time available for completion of the project it is contemplated to allocate the supply / installations to capable vendors subjected to their acceptance of the L1 price discovered through the tender. Considering the time crunch on the project the empaneled vendors will be allocated sites as per their preference without exceeding 100 numbers of sites

CONTENTS

Sl No	Items	Page
1	Disclaimer	
2	Notice inviting tender	
3	Instruction to bidder online	
4	Submission of bid online	
5	Checklist of documents to be submitted	
6	Undertakings by bidders	
7	Letter of Authorization	
8	The Scope of work	
9	Eligibility Criteria	
10	Instructions to Bidder	
11	Commercial terms and conditions	
12	Technical specification	
13	All format annexure	
14	Scope of CMC	
15	BG format	
16	Price bid for online only, not in hard	

Disclaimer

Kindly Note:

1. This document is not transferable .
2. Though adequate care has been taken for preparation of this document, the bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any bidder on the pre bid meeting or within three days from the date of issue of the bid document, it shall be considered that bid document is complete in all respects and has been received by the bidder.
3. The OREDA Limited reserves the right to modify, amend or supplement this bid document keeping in view the necessity in implementation of the scheme.
4. While the bid document has been prepared in good faith, neither OREDA nor their employees or advisors make any representation, warranty, express or implied or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability and completeness of this bid document, even if any loss or damage is caused by any act or omission on their part.

OREDA Limited

S-3/59, MANCHESWAR INDUSTRIAL ESTATE, BHUBANESWAR-751010

Phone: (0674) 2588260, 2586398, 2580554. Fax:2586368

Website: www.oredaorissa.com,

Email: ceoreda@oredaorissa.com

NOTICE INVITING E-TENDER NO:3467 /OREDA DTD-07/08/2025

OREDA Limited invites limited e-tenders **in two part bidding system** from manufacturer, system integrator for Design, Manufacture, Supply, Installation (Erection), Testing, Commissioning, including Warranty and Comprehensive Maintenance Contract for a period of 5 years of 660 numbers Solar energy based dual pump pipe water supply schemes in the state of Odisha under RWS&S (Basudha) and OREDA.

Date of release of bid	07.08.2025
Date and time of last submission	14.08.2025 at 5.00 PM Online 16.08.2025 at 1-00 PM hard copy
Opening of Technical bid (Part-I)	16.08.2025 at 3.00 PM
Date of opening of the price bid(part-II)	18.08.2025 at 11 PM

Interested prospective bidders may visit OREDA's website www.oredaorissa.com and www.tenderwizard.com/OREDA for details relating bidding process and all other terms and conditions. The bidders can view the tender documents from www.oredaorissa.com website free of cost. Amendments if any will be published in tender wizard portal only without any extension.

Sd/

Dt-07/08/2025

Chief Executive Officer, OREDA

OREDA Limited

S-3/59, MANCHESWAR INDUSTRIAL ESTATE, BHUBANESWAR-751010

Phone: (0674) 2588260, 2586398, 2580554. Fax: 2586368

Website: www.oredaorissa.com, Email: ceoreda@oredaorissa.com

DETAIL OF NOTICE INVITING TENDER

OREDA Limited invites e- tenders in two part bidding system from system integrators, EPC firms for Design, Manufacture, Supply, Installation (Erection), Testing, Commissioning, including Warranty and Comprehensive Maintenance Contract for a period of 5 years of 660 numbers Solar energy based dual pump pipe water supply schemes in the state of Odisha under RWS&S (Basudha) and OREDA.

Particulars	(Rs. in .Cr)	Earnest Money Deposit (Rs. In Lakhs)	Tender processing fee Non refundable (In Rs.)	Nonrefundable Cost of Bid document	Last date/time for submission of bids	Date and time of opening of bid
Supply, installation, commissioning including warranty and Comprehensive Maintenance Contract for a period of 5 year of solar energy based dual pump pipe water supply systems complete in all respect with independent riser pipe as per the technical specification, schedule of materials and terms and condition of the of the work award from time to time on the basis of the price arrived at within a period of minimum one year of the valid tender under the scope of work.	660 Nos of sites in various sites in ODISHA.	04.00	2000 and other fees	Rs. 11,800/-	Online 14.08.2025, 5-00 PM Hard copy 16.08.2025 , 1-00 PM	16.08.2025 3-30 PM

Interested prospective bidders may visit www.tenderwizard.com/OREDA for details relating bidding process and all other terms and conditions. The authority reserves the right to accept / reject any part thereof or all the bids without assigning any reason.

Sd/

Dt-06/08/2025

Chief Executive, OREDA

ONLINE SUBMISSION OF BID

General Information

- i) Interested bidders may visit OREDA Website www.oredaodisha.com and www.tenderwizard.com/OREDA for details.
- ii) Bidders who want to submit bid shall have to pay the tender cost. The tender cost is required to be paid in shape of Demand draft only, drawn in **favour of OREDA Limited**, payable at **Bhubaneswar**. The tender cost is inclusive of taxes and is non-refundable.

Name of account	OREDA Limited
Account Number	924020041659598
IFSC Code	UTIB0001973
Bank	Axis bank limited, Mancheswar, Bhubaneswar

- ii) The bidders shall have to submit the non-refundable tender processing fee in e-payment mode only. The processing is inclusive of service tax.

(NOTE: For tender processing fee to K.S.E.D.C. Ltd. Bangalore, the bidder can use various modes of e-payment facility available through Tender wizard Portal, i.e. by Credit Card, Debit Card, Net Banking).

- iv) The bidders shall have to scan the Demand Draft / Bank guarantee towards **EMD, Tender Cost, Signed copy of** unconditional acceptance of all terms and conditions of the tender, **Signed copy of** Confirmation to Technical Specifications and all **other documents as required in the tender** and upload the same in the prescribed form in .pdf or .jpg format in addition to sending the originals.
- v) The bidders are advised to register their user ID, Password, company ID on website www.tenderwizard.com/OREDA by clicking on hyper link “**Register Me**”.
- (v) Any clarifications regarding the scope of work and technical features of the project can be had from the undersigned during office hours

NB: All subsequent addendum/Corrigendum to the tender shall be hoisted in OREDA’s official web site www.oredaorissa.com and www.tenderwizard.com/OREDA only.

For and on behalf of OREDA

A. MODE OF SUBMISSION OF BID:-

- i) The bidder shall submit the bid in Electronic Mode only i.e. in www.tenderwizard.com/OREDA portal. The bidder must ensure that the bids are received in the specified website of the OREDA by the date and time indicated in the Tender notice.
- ii) Bids submitted by telex/telegram will not be accepted.
- iii) The OREDA reserves the right to reject any bid, which is not submitted in electronic mode and according to the instruction, stipulated above.

(A-1) PARTICIPATION IN e-TENDER:-

ACQUISITION OF DIGITAL SIGNATURE CERTIFICATE

- i) For all the users it is mandatory to procure the Digital Signatures of Class III only.
- ii) Contractors / Vendors / Bidders / Suppliers are requested to follow the following steps for registration.

(A-2) REGISTRATION IN TENDER WIZARD PORTAL

- i) Log in www.tenderwizard.com/OREDA Click "Register", fill the online registration Form.
- ii) Payment shall be made to KSEDCL, Bangalore for vendor registration in tender wizard portal in e-payment mode only.
- iii) As soon as the verification is done the e-tender user ID will be enabled/provided.

(A-3) ON-LINE REQUEST FOR e-TENDER DOCUMENTS.

After viewing Tender Notification in www.tenderwizard.com/OREDA if bidder intends to participate in tender, he has to use his e-tendering User ID and Password which has been received after registration and acquisition of DSCs (Digital signature certificate). If any Bidder wants to participate in the tender he has to follow the instructions given below.

1. Insert the PKI (which consists of your Digital Signature Certificate) in your System.

(Note: Make sure that necessary software of PKI be installed in your system)

2. Click / Double Click to open the Microsoft Internet Explorer
3. (This icon will be located on the Desktop of the computer).
4. Go to Start > Programs > Internet Explorer. Type www.tenderwizard.com/OREDA in the address bar, to access the Login Screen.
5. Enter e-tender User Id and Password, click on "Go". Click on "Click here to login" for selecting the Digital Signature Certificate. Select the Certificate and enter DSC Password. Re-enter the e- Procurement User Id Password
6. Click "Un Applied" to view / apply for new tenders.
7. Click on Request icon for online request. After making the request, bidder has to pay the requisite tender processing fee (as indicated in tender notice) through **e-payment** facility only available in the portal. Bidders will receive the Tender Documents which can be checked and downloaded by following the below steps.
8. Click to view the tender documents which are received by the user. Tender document screen appears.
9. Click "Click here to download" to download the documents.

NOTE: For vendor registration and payment of tender processing fee to KESDCL, the bidder can use various modes of e-payment facility available through Tender wizard Portal, i.e. by Credit Card, Debit Card, Net Banking.

(B) ONLINE SUBMISSION OF BID

The bidders shall have to scan the Demand Draft / Bank guarantee towards **EMD, Tender Cost, signed copy** of “unconditional acceptance of all terms and conditions of the tender”, Signed copy of “confirmation to technical specification” and **other documents** as required for the tender and **upload** the same in the prescribed form in .pdf or .jpg format in addition to sending the original **except bid sheets (.xls)** prior to last date and time of receipt of bids as specified in tender Notice. Tender processing fees is mandatory & to be paid on **e-payment** mode as stated elsewhere in the document. The attachments should be properly renamed before uploading.

(B-1) PROPER FILLING UP OF THE PRICE SCHEDULE:

The bidder should fill up the Techno commercial and price schedule properly in the bid sheets provided in .xls format and up-load the same without changing the file name. The tender may be rejected if the schedule of price is submitted in incomplete form.

NB: The bid sheets (.xls file) shall be uploaded in www.tenderwizard.com/OREDA portal, prior to online closing of the tender. By no other means (except online) price bid shall be accepted for evaluation of tender.

- i. After completing all the formalities, Bidders will have to submit the tender as specified in NIT and must take care of all instructions. Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not.

Note down / take a print of bid control number once it displayed on the screen

- ii. Tender Opening event can be viewed online.
- iii. Competitors bid sheets are available in the website for all participated bidders.

NOTES:

For any assistant, Contact:

**E-Tendering help desk number: 9437436638
(Bangalore) OREDA AD (Technical)- 7008944462**

(C) DEAD LINE FOR SUBMISSION OF BIDS

- i) Soft copy of the bid shall be uploaded through the portal www.tenderwizard.com/OREDA on or **before the online submission time and date as stipulated in the bidding document.**

DD towards Tender cost, DD/BG towards Bid Security, tender processing fee acknowledgement & a set of all uploaded documents including uploaded Techno-commercial Bid must be received by OREDA at the address specified not later than the time and date stated in the tender notification.

- ii) In the event of the specified date for the submission of bids being declared a holiday for OREDA, the bids will be received on the next working day as per the time indicated in tender notification.
- iii) OREDA may, at its discretion, extend this deadline for submission of bids by amending the Bidding Documents in accordance with Instruction to Bidders for the reasons specified therein at any time prior to opening of, in which case all rights and obligations of Employer and bidders will thereafter be subject to the deadline as extended.

(D) LATE BIDS

- i) Soft copy of the bid will not be uploaded on the portal after expiry of submission time and the bidder shall not be permitted to submit the same by any other mode. In such case, even if the bidder has submitted the specific documents in hard copy in original (viz., bid security, tender cost & any other document) within the stipulated deadline, its bid shall be considered as late bid. The hard copy submitted [specific documents (viz., bid security, tender cost.)) shall be returned unopened to the bidder.
- ii) Hard copy of the bid security i.e. EMD in shape of DD/BG if received by OREDA after the last date for submission of the bid the same will be considered as late bid even if the bidder has uploaded the soft copy of the bid within the stipulated deadline. In such a case, the soft part of the bid uploaded on the portal shall be sent unopened to "Archive" and shall not be considered at all any further.

(E) MODIFICATION AND WITHDRAWAL OF BIDS:-

- i) Bidder may modify or withdraw their bids through the relevant provisions on the portal www.tenderwizard.com/OREDA **up to due date and time of submission of bid indicated in tender notification.**
- ii) The Bidders may modify and resubmit their bids as per the provisions given in the portal.
- iii) Bidders may withdraw their bids through the relevant provisions of mentioned in the portal.
- iv) **No bid shall be modified/ withdrawn after the dead line for submission of bids. Withdrawal/modification of bid before the expiry of bid validity shall result forfeiture of Bidder's bid security.**

SUBMISSION OF HARD COPIES OF THE BIDS AND SEALING AND MARKING:-

(A) Hard copies of the following items should only be submitted to OREDA

All the papers of bid documents as per the check list except the price bid duly signed & should be uploaded in e-tender portal. Hard copy of following documents i.e

- 1. EMD**
- 2. Tender cost**
- 3. Power of attorney**
- 4. Declaration regarding completion of project as per format (15)**
- 5. Declaration regarding work experience (Format -4)**

Shall be submitted OREDA office at S-57, Mancheswar Industrial Estate, Bhubaneswar 751010 before tender closing date and time.

Submission of any documents other than the asked documents can't be received at any cost. This may lead to the rejection of bid.

(B) Technical bid:

The Electronic Form/Template of the bid for the Techno-Commercial bid, as available on the portal, shall be duly filled and scanned copies of documents in support of meeting the minimum qualifying requirement of the tender shall be given as attachments.

(C) Financial bid:

The Electronic Form/Template of the Price bid (as available on the portal) shall be duly filled in.

The permissible limit of quoting of price bid is within the limit of +/- 14.99% of estimated price. Any bidder quoting price beyond this limit will be automatically disqualified.

Any condition in regards to financial aspects, payments, terms of rebate etc beyond the prescribed financial terms of OREDA will make the bid invalid.

Therefore it is in the interest of the bidders not to write anything extra in the Price Bid except price.

ACCEPTANCE/REJECTION:

OREDA reserves the right to accept / reject any or all Tenders without assigning any reason thereof and alter the quantity of materials mentioned in the Tender documents at the time of placing purchase orders. Tender will be summarily rejected if:

- i) Bid security is not deposited either in shape of Bank Draft in favor of OREDA payable at Bhubaneswar or in Bank Guarantee.

Note: Bid security against previous Tenders, if any, will not be adjusted towards Bid security against this Tender.

- ii) Complete Technical details are not enclosed.
- iii) Tender is received after the last date for what-so-ever reasons.

PROCEDURE FOR OPENING THE BIDS:

The procedure of opening of the bid shall be as under

- The Techno- Commercial bid shall be opened at the time & date mentioned in the bid notice by OREDA in the presence of bidders, who choose to be present. If necessary, the firms may be called for Technical Presentation the schedule for which will be intimated by OREDA.

Empanelment

Empanelment will be done among all qualified vendors who give willingness to L1 price. The empanelment list will be limited to 10 numbers only.

****Contactors/Vendors are advised to upload their tender documents well in advance to avoid last minutes disappointment.***

Check list of indicative documents to be submitted along with the bid

Bid Form	Particulars
Bid Form 1 (Bidder's Details)	<p>Copy of the "Manufacturer's Details" duly signed by the Authorized Signatory and stamped by the Bidder to unconditionally accept all terms of the Bidding Document.</p> <p>This is a mandatory submission for all the Bidders and shall be submitted as per the requirements given in Bid Form 1 of Annexure.</p>
Bid Form 2 (Quality Assurance)	<p>Copy of the "ISO certification" duly signed by the Authorized Signatory and stamped by the Bidder along with the required attachments as given therein.</p> <p>This is a mandatory submission for all the Bidders and shall be submitted as per the requirements given in Bid Form 2 of Annexure.</p>
Bid Form 3 (Test Certificates)	<p>Copy of the "Test certificates" duly signed by the Authorized Signatory and stamped by the Bidder for the Equipment as issued in the name of the bidder from any valid MNRE accredited test labs as given in as mentioned in technical specification</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 3 of Annexure.</p>
Bid Form 4 (Technical Qualification)	Total number of installed project in prescribed format under bid form-4 along with attached Annexure
Bid form 5 (Financial Qualification)	MAAT certificate as per bid format- 5.
Bid Form 6 (Power of Attorney)	<p>Copy of the "Power of Attorney" issued in the name of the Authorized Signatory of the Bidder supported by the required Board Resolution for submitting the Bid on behalf of the Bidder.</p> <p>This is a mandatory submission for all the Bidders and shall be submitted as per the requirements given in Bid Form 6 of Annexure.</p>
Bid Form 7 (Self-Certificate-I)	<p>Copy of the declaration of the "Self-certificate" duly signed by the Authorized Signatory and stamped by the Bidder to declare that it has not been debarred/ blacklisted/ defaulted by any Government, agency, Public Sector Undertaking (PSU), institution/ autonomous organizations in the past. In case of any such events, the Bidder shall provide the case details and its current status in the format therein.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 7 of Annexure.</p>
Bid Form 8 (Self-certificate-II)	<p>Copy of the declaration of the "Self-certificate" duly signed by the Authorized Signatory and stamped by the Bidder and notarized by the appropriate authority to declare that it neither failed to perform on any agreement nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder during last 05 (five) years.</p> <p>This is a mandatory submission for all the Bidders and shall be submitted as per the requirements given in Bid Form 8 of Annexure.</p>

Bid Form	Particulars
Bid Form 9 (Warranty Certificate)	<p>Copy of the declaration of the “Warranty certificate” duly signed by the Authorized Signatory and stamped by the Bidder. The manufacturers shall submit an undertaking on a non-judicial stamp paper of Rs.200/- for providing service support during the entire warranty period of 5 years from the date of installation by any system integrator awarded by OREDA for any OREDA project.</p> <p>This is a mandatory submission for all the Bidders and shall be submitted as per the requirements given in Bid Form 9 of Annexure.</p>
Bid Form 10 (Registration details)	<p>Copy of the relevant documents issued by an appropriate Government authority in India.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 10 of Annexure.</p>
Bid Form 11 (PAN)	<p>Copy of the PAN card of the Bidder.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 11 of Annexure.</p>
Bid Form 12 (GST Certificate)	<p>Copy of the “GST Certificate” of the Bidder.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 12 of Annexure.</p>
Bid Form 13 (No deviation)	<p>Copy of the “No Deviation Certificate” duly signed by the Authorized Signatory and stamped by the Bidder stating that the Bidder has not taken any deviation in the Bidding Document.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 13 of Annexure.</p>
Bid Form 14 (Security Deposit)	<p>Security deposit should be submitted in the form of BG or Surety bond with validity of 5 Years.</p> <p>This is a mandatory submission and shall be submitted as per the requirements given in Bid Form 14 of Annexure.</p>
Bid Form 15 Bid (Declaration)	<p>Declaration to complete the work within 30th September 2025 on notarized court paper as per format -15</p>

1. Scope of Works.

The broad scope of the supply / installation includes design, manufacture, supply, installation, testing commissioning, warranty, operation & Maintenance for 5 years for supply / installation of Solar energy based dual pump piped water supply system providing Solar Photovoltaic pumps sets along with MS stage, storage tank, piping, stand post adhering to the standardized norm / BIS /MNRE specification (as per the valid test report issued to the bidder of the authorized test center)

All tax deductions at source applicable for turnkey contract will be made irrespective of GST clearance documents subject to bifurcation of the price components.

a) Collection of the list of village including, locations of the bore wells, water discharge testing reports, shadow free area etc from OREDA / Users Agency.

b) Visit to the village and identifying the designated bore well and selection of site for construction of overhead tank at a higher location and stand posts as per the requirement and intimating the concern EE RWSS/ VWSC / users about the date and time of commencement of supply / installation.

c) Deciding the location of stage and the stand post required in habitations after discussing with the elected representative / VWSC / authorised officer of RWSS.

d) Transportation of all materials to the village and keeping the same in safe own custody within village. OREDA shall not be the consignee to receive the materials supplied/ delivered.

e) Installation of the solar PV submersible water Pump, MS Stage, storage water tank, solar PV array, one stand post, soak pit and pipeline for water dispensation etc. as per the technical specifications, prevailing standards provided in the tender and testing the same in the presence of the VWSC/ authorised officer of RWSS/ User's Agency.

f) Installation of the water dispensing stand post including construction of its platform etc. in a manner which is convenient for collection of water. The system shall be away from the water outlet portion. Outlet pipes for tube well shall not be exposed over the platform.

g) After initial operation and testing of the pump for about a week handing over the same to the Village Committee/authorised officer of RWSS to be maintained by the firm for 5 years under CMC.

h) Collection of all documents, including GPRS photographs of the installed systems and preparing the joint commissioning reports.

- i) Submission of all documents as detailed in the tender document including the joint Commissioning report to OREDA
- j) Periodic maintenance of the system as detailed in this tender.
- k) Opening of service centre/keeping servicing personnel and making available all essential spares in the vicinity of the solar water pumping system will give the desired performance with least interruption.
- l) Submission of periodic reports and returns as per the MIS prescribed by OREDA from time to time.
- m) Supply of the complete systems, including all necessary components, sub-components, spares, tools, tackles etc. as per technical specifications given in this document including packing, forwarding, safe storage, handling, commissioning, trial and performance testing and handing over, insurance.
- n) The solar panel shall be warranted for ten years with rated performance. Security cum PGF for the corresponding amount for the period warranty is to be retained by this office.
- o) Solar submersible pumps of 900 wp capacity depending upon the yield of bore well will be utilized for the purpose of water supply in the village as per the requirement of the village.
- p) Comprehensive Maintenance for 5 years and Performance guarantees for the rated delivery / discharge of water as per standard test condition.
- q) All civil structures and site clearances for setting up of the complete job are to be obtained before installation.
- r) All structural drawings to be got approved from OREDA/ any other competent authority, if necessary at any time.
- s) While implementing Solar energy based dual pump piped water supply scheme in the village the physical condition of the area on shades / water logging during rain should be taken into consideration.
- u) There should not be any damage what so ever in the village due to setting up of the solar dual hand pump and later there is no leakage of any water connection of the said project the in the village.
- v) While cabling the array care must be taken such that no loose / open cables lie anywhere related to the supply / installations.

w) Adequate training has to be provided to the persons to be designated by OREDA/ pump users in maintenance and upkeep of the installed system. The installed and commissioned systems are to be handed over to the Village Committee / respective authorised officer. The bidder must also provide a detailed operation and maintenance manual specific to the installed systems.

x) Before execution of the supply / installation the yield test of the selected tube well shall be carried out by the agency to ensure the sustainability of the system.

y) Care should be taken to install the OHT at the highest point nearer to the habitation while the stand posts shall be installed as close to the households as possible. In case length of pipe exceeds the assigned length in the tender payment for the extra work shall be made as per current Schedule of Rate by the User Department.

2. Eligibility Criteria

I.General criteria

In order to be eligible to participate in the tender, the bidder must fulfill the following eligibility criteria. Any discrepancy or deviation from the same shall make the bidder ineligible for participating in the tender and such tender documents shall be rejected.

- a) The bidder must be a company registered under the Indian Companies Act 1956 or a firm registered under GST.
- b) And the bidder must be a Single entity who is solar manufacturer or Solar system integrator. A copy of the registration certificate (DIC, NSIC, MSME, Register of Companies, etc) to that effect is to be attached. No entity such as dealer, supplier, consortium, associates of any category is allowed.
- c) And the bidder's company/firm must have established quality assurance systems and organization in line with the requirements under ISO 9001:2015 and ISO 14001:2015 certification. However ISO 14001:2015 certificate can be submitted in the name of OEM along with the bid.
- d) The firm must not has been under debarred / blacklisted / defaulted by any RWS&S division, OREDA,OLIC,OAIC or any other Govt. Dept, agency, PSUs / institution / agencies / autonomous organizations during in last 5 years from the period of tender. A self-certificate by an authorized person of the bidder's company/firm is to be attached.

II. Technical Criteria

- a) The bidder must have completed cumulatively minimum 450 numbers of solar pumps in Odisha under state government entities within last two years(2023-24and 2024-25), without any delay in completion of project. The necessary certificate to substantiate the claim must be obtained from concerned organization at the level of Chief Engineer and above or equivalent . example Chief Engineer (RWS&S), DGM (OAIC), Director (Technical), OREDA and any equivalent official from other Government organization.
- b) The installed Solar water pumping systems must be in the range of 1-7.5 HP.
- c) The experiences submitted as Joint Venture or Consortium will not be considered for this tender.
- d) The proof of technical criteria must be submitted in due format as per format- 4 and attached annexure

III. Financial Criteria

- a) The Bidder must have MAAT of 6 Cr in last two financial years in Solar business only.
- b) The net worth of the bidder should not be less than its paid up capital.
- c) The proof of financial criteria must be submitted along with format-5.

3. INSTRUCTIONS TO BIDDER

Intending bidders are requested to carefully study the instructions contained hereunder before preparing their bid documents for submission.

- a) A Bidder shall submit a single offer-bid only. The bidders shall be responsible for properly uploading the relevant documents in the e-tender portal in the specified location and Tender Inviting Authority shall not be held liable for errors or omissions done while uploading the online bid.
- b) Bidders must submit their bids for all items as stated in this bid document above.
- c) Demand Drafts towards cost of document and EMD should be submitted in a separate envelop placed inside the envelope containing the technical bid.
- d) Bids must be submitted in English language only.
- e) Incomplete, telegraphic or conditional bids shall not be accepted.
- f) Prices quoted must be firm and fixed. No price variation / escalation shall be allowed during process of completion of the project or for a period of one financial year whichever is earlier.
- g) The bidders must sign at the bottom of each page of the bid documents at the time of submission in token of unconditional acceptance of the departmental terms and conditions, technical specifications etc.
- h) Valid tax return submission document must be submitted along with the bid. **All rules and circulars of Finance Department, Govt of Odisha issued from time to time will be applicable during project period from issue of tender to the completion of 5 years CMC period.**
- i) Deviations in terms and conditions, Specification of material, Inspection clause etc. will not be accepted under any condition.
- j) The bidder shall submit copies of documents defining the constitution or legal status, place of registration and principle place of business of company or firm.
- k) The bidder shall furnish a brief write up backed with adequate data, explaining capacity and experience (both technical and commercial) for the manufacture and supply of the required systems, equipments within the specified time of completion after meeting all their commitments.

- l) Bids received late due to postal delay or otherwise will not be considered.
- m) The bidders are required to furnish their offers in the price bid both in words & figures online only. Any correction shall liable the document to be rejected. In case of any conflict between figures and words, the latter shall prevail.
- n) Since timely execution of supply / installations is of paramount importance, requests for extension of time shall not be ordinarily entertained.
- o) Canvassing in any manner shall not be entertained and will be viewed seriously leading to rejection of the bid.
- p) Power of attorney to sign the agreement on behalf of bidders & partnership deed articles, if any, should be enclosed along with original bid documents.
- q) Notice inviting Tender, bid documents, prescribed Technical bid, price bid, terms & conditions will form the part of the tender.
- r) All pages of the bid documents must be signed & sealed by the authorized person on behalf of the bidders.
- s) Bids will be accepted & will be opened as per information mentioned in the notice-inviting tender. No receipt against submission of bid shall be issued by OREDA.
- t) Any clarification on the technical specification and commercial terms and conditions may be clarified in writing from OREDA.
- u) Deviation of any commercial terms and condition and technical specification shall not be entertained under any circumstances
- v) Bidders may in their own interest visit the sites in order to develop a clear understanding of the logistics and other features of the sites before submitting bids and under taking may be attached in the tender document. OREDA will not be responsible for any incidental or consequential losses of the firms while execution and till expiry of the period of maintenance.
- w) All the bidders shall essentially indicate the break-up of prices as shown in Price bid.
- x) If qualified, the bidder must open a local office at Bhubaneswar before commencement of the supply / installation for coordination of all jobs and service centers fully equipped with technical person and spare parts at cluster level in the district where solar pumps installed. Such facility must have proper mailing address with contact person detail from time to time for all documents. **All supply / installation orders shall be placed with the state local registered office of the qualified empaneled bidders having valid IGST.**
- y) On award of contract the qualified bidder shall be termed as executing agency.

z) Opening of the bids:

The procedure of opening of the bid shall be as under

- The technical bid opening is ONLINE. The date of opening of the technical bid is only published in advanced. The date of opening of the price bid will be decided after verification of those bidders who qualify in the technical bid evaluation and will be informed in advance.
- The online opening of the technical bid and the price bid shall be done by the Chief Executive Officer / or his authorized representative as per bid schedule. The prospective bidders can access to the online opening by logging in to the e- tender portal with the registered digital signature. Bidders / its authorised representative may not come to this office of OREDA for the opening of the technical or price bids.
- In the event of the specified date for opening of the bids being declared holiday, the bid shall be opened at the appointed time and venue on the next working day.
- In the event of the bid and claims in the online documents are materially missing or of substantial error or want of required qualifications, shall stand disqualified and rejected.

aa) Evaluation of Technical Bids

- The documents submitted as technical bids shall be scrutinized by a bid evaluation committee duly appointed.
- The bid evaluation committee may also verify the veracity of claims in respect of the known performances of the items offered, the experience and reputation of bidder in the field, the financial solvency. The Tender Inviting Authority, if required reserves the right to inspect the facility of the bidder for verification of information furnished in the bid.

- The decisions of the bid evaluation committee on whether the bidders are responsive or non-responsive.
- The verification of the items shall be conducted by the Technical Committee in which the external experts from the user institutions / funding agency.
- The decision of the technical committee will be published

bb) Price bid opening & evaluation

- The opening of the price bid shall be done online by the Tender Inviting Authority or the authorized representative and only the price bids in the proper format of the those firms qualified in the evaluation of the technical bids shall be opened.
- The cost indicated in the financial bid shall be deemed as final and reflecting the total cost of supply and services. Omission, if any, in costing any item shall not entitle the firm to be compensated and the liability to fulfil the obligation as per the terms and condition within the total quoted price shall be that of the bidder. The online offer should be of the either or both the valid category fulfilling all criteria.
- The total price of the each category will be taken into consideration for lowest price offer.

cc) Acceptance/ Rejection of the bid documents:

Chief Executive Officer, OREDA reserves the right to reject or accept any bid or annul the bidding process at any time prior to award of contract, without having prejudice of incurring any liability to the affected bidders or any obligation to inform the bidders.

Sd/
Dt-07/08/2025
Chief Executive

I/we have carefully read & understood the above terms & conditions of the bid & agree to abide by them.

Signature and Seal of bidder

4. COMMERCIAL TERMS & CONDITIONS

The Chief Executive Officer, OREDA shall award the contract to the successful bidders whose bids shall be qualified after evaluation in terms of the responsiveness and lowest rate determined on the basis of price bids. On receipt of the awarded work the same should be submitted duly signed by the authorised person on each page within 7 days duly endorsed by the respective EE, RWSS /authorised Officer of Division and OREDA RE Cell Officials as acceptance of the terms and conditions. In case of non submission of the same duly complied the said award shall stand cancelled.

4.1 Rate:

The offer should indicate the unit cost of the system, Installation & Commissioning charges, CMC Charges and taxes & duties separately (Annexure I, J). The unit cost must be inclusive of packing, forwarding, loading & unloading charges, cost of insurance and transportation FOR destination in the entire state where the system will be installed as per the supply / installation order.

4.2 Tax & Duties etc:

All taxes and duties applicable (revised at the time of delivery of materials or as per service period) from time to time will be paid. All statutory deductions applicable for the period of the project shall be effected.

4.3. Earnest Money Deposit:

- 4.3.1 Earnest money deposit Rs.04.00 lakh as specified in the Table above is required to be deposited along with the bid without which the bid will not be accepted. No interest will be payable for the EMD amount under any circumstances.
- 4.3.2 Earnest money shall be submitted in shape of bank guarantee in favour of Chief Executive Officer, OREDA valid for 365 days (format enclosed) from any Nationalised Bank Payable at Bhubaneswar and the proof of deposits should be attached to the bid. E.M.D would be refunded to the unsuccessful Bidders after finalization of the bid without any interest.
- 4.3.3 E. M. D would be forfeited in case of non- compliance of the purchase order by the successful bidders. EMD submitted shall be returned to successful bidders only after Security cum Performance Bank Guarantee of at least 5 years is deposited.
- 4.3.4 In case of claim for exemption from deposit of Earnest money sufficient proof in support of claim for exemption of EMD as prescribed in Govt. of India Notification is to be attached with the bid. All benefits as per the Govt of Odisha policies will be applicable for local eligible firms only.

4.4 Security Deposit/ Performance Guarantee Fees:

The successful bidders must deposit **one bank guarantees** towards Security cum Performance Guarantee fees with the Chief Executive Officer, OREDA, Bhubaneswar along with bills, challans and all other documents as per payment clause before processing of payment as follows

5 % of the ordered value (including taxes) in shape of irrevocable Bank Guarantees with **5 years validity** from the date of supply, installation and commissioning till the completion of respective warranty and CMC period of the composite system.

The said deposit would be forfeited, if the supplies are not made and performances are not as per the Terms & Conditions of the purchase order. The first security deposit amount will be refunded after the expiry of the Warranty period and CMC period of the systems i.e 5 years after commissioning of each system, subject to satisfactory execution / performance of the systems.

4.5 Programme Execution Schedule:

The programme of execution of the supply, installation and commissioning shall be carried out as per the schedule given in the supply / installation order subject to issue of water yield test / layout documents by the respective Nodal Officer of RWSS in phased manner. In case all yield test report are available at the time of issue of supply / installation order the entire feasible job has to be completed within **30th September 2025**.

Execution of supply / installation shall be carried out in an approved manner as outlined in the technical specification or where not outlined, in accordance with the relevant Indian Standard Specification, to the reasonable satisfaction of the Authorized OREDA Officer.

4.5.1 Upon intimation about commissioning of the systems by the executing firm a joint inspection will be carried out by the representatives of the executing firm, OREDA and officials from RWS&S division

4.5.2 The issuance of a JCC shall, in no way relieve the executing firm of its responsibility for satisfactory operation of the solar submersible pump systems.

4.6 Validity of offer:

The price bid offer must be kept valid minimum for a period of one year from the date of opening of the technical bid. No escalation clause except the admissible tax component under the period of consideration would be accepted, if any. The validity can be mutually extended for a suitable period, if situation demands, with all terms and conditions as per the tender.

If at any time during the said period the empaneled bidders enhance schedule or reduce the price of such offered items or sells such items to any other Govt Organization at a price lower than the price chargeable under the contract or include additional schedule of supply, the supplier shall forthwith notify such modification to OREDA.

Any qualified firm violating to aforesaid conditions whenever noticed shall be delisted from the panel.

4.7 Tax return:

The bidders must submit attested copy of valid up to date tax clearance / tax return certificate along with the bid. The bid would not be considered without this document.

The original certificate would be produced at the time of opening of the bid, or, before issue of purchase order, if required.

4.8 Warranty:

The Supplier warrants that the Goods(as per the test report issued by authorized test center) supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in conditions prevailing in the country of final destination.

This warranty shall remain valid for 60(sixty) months after the Goods or any portion thereof as the case may be, have been delivered to and commissioned and accepted at the final destination indicated in the Contract.

The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall repair or replace the defective Goods or parts thereof, without cost to the Purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from the port of entry to the final destination.

If the Supplier, having been notified, fails to remedy the defect(s), the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's

risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

4.9 Penalty and termination of contract:

Considering the sensitivity of the project, incase the bidder fails to complete the execution within 30th September 2025, the EMD submitted will be liquidated and the bidder shall be Black listed by OREDA for at least 3 years.

4.10 Termination for Default

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or in part:

- 4.10.1 if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser; or
- 4.10.2 if the Supplier fails to perform any other obligation(s) under the Contract.
- 4.10.3 If the supplier, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

For the purpose of this clause:

“Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the borrower, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the borrower of the benefits of free and open competition.

In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

4.11 Inspection:

Pre delivery inspection of major components may be carried out by a team of designated officials of OREDA, any other department as may be considered appropriate at the factory site of the vendor / manufacturer. Before despatch of consignment intimation shall be given sufficiently ahead so that no delay occurs for deputing officials and inspection at the premises / test site.

- 4.11.1 The rest of the tests and inspections shall be made at the place of delivery. Officers authorized by OREDA shall be entitled at all reasonable time to inspect and supervise and test during erection and commissioning. Such inspection will not relieve the executing firm of their obligation in the contract. The water output as per technical specification has to be guaranteed without any controversies of variation of water table.
- 4.11.2 OREDA shall have the right to have the tests carried out at its own cost by an independent agency at any point of time.

4.12 Payment:

Payment will be made in instalment of solar water pumping system installed out of the total supply / installation order issued against the respective in the following manner

Total value of systems with full taxes / duties will be made after commissioning of the project. The check list of documents to be submitted along with the bills and Security cum Performance Bank Guarantee for release will be as per the purchase order issued.

For processing of the payment the indicative documents are to be submitted like (Annexure-B,C,D,E,F) all technical detail of the installed system, inspection and testing report, location map of the System, GPS based photograph wherever available of the hand pump, OH tank and solar PV array, System handing over report, Warranty certificate, Joint commissioning certificate or any other documents as may be required.

4.13 Allocation of award & Execution:

The allocation will be among all empaneled vendors with site and number preference in ascending Order of price quoted. The last date of execution must be on or before 30/09/2025.

4.14 Comprehensive Maintenance Contract:

CMC will be applicable during the period of the warranty period of 5 years. The bidder must enter into a Comprehensive maintenance contract for the specified period at the time of execution of the order. Offer without such CMC shall not be considered (sample format of CMC enclosed at Annexure). The scope of CMC must cover supply of all spare parts, services and performance reports during the contract in force. Order shall be placed on bidders who agree to offer such CMC. The release of PBG towards annual maintenance under the Comprehensive Maintenance Contract shall depend upon the functionality of the system duly certified by the concerned Authorised officials of OREDA. Upon receipt of such certificates the PBG @ 1% shall be released at the end of 1st, 2nd, 3rd, 4th and 5th years.

4.15 Limitation of Liability:

OREDA, will, in no case be responsible for any accident fatal or non-fatal, caused to any worker or outsider in course of transport or execution of supply / installation. All safety measures as per prevailing norms should be adopted. All the expenditure including treatment or compensation will be entirely borne by the Executants. The Executants shall also be responsible for any claims of the workers including PF, Gratuity, ESI & other legal obligations. The executants shall take all steps towards the security compliances.

4.16 Force Majeure:

In no event shall either Party have any liability for failure to comply with this Agreement, if such failure results directly from the occurrence of any contingency beyond the reasonable control of the Party, including, without limitation, strike or other labor disturbance, riot, war, natural calamities including but not limited to floods, earthquakes, fire, volcanic eruptions, epidemics, National Emergency, interference by any government or governmental agency, embargo, seizure, or enactment or abolition of any law, statute, ordinance, rule, or regulation (each a "Force Majeure Event"). In the event that either Party is unable to perform any of its obligations under this Agreement because of a Force Majeure Event, the Party who has been so affected shall as soon as may be, after coming to know of the Force Majeure Event, inform the other Party and shall take reasonable steps to resume performance as soon as may be after the cessation of the Force Majeure Event. If the period of nonperformance due to a Force Majeure Event exceeds thirty (30) days, the Party whose ability to perform has been so affected may, by giving written notice, terminate this Agreement.

4.17 Dispute:

For adjudication of any dispute between OREDA and the bidders arising in this case, reference can be made to any Law courts under the jurisdiction of Odisha High court only. The Chief Executive, OREDA reserves the right to accept or reject any or all bids without assigning any reason thereof.

**Sd/
Dt-07/08/2025
Chief Executive officer**

I/We have carefully read and understood the above terms and conditions of the bid and agree to abide by them.

Signature of the bidder with Seal

TECHNICAL SPECIFICATION

DEFINITION: Solar energy based dual pump piped water supply scheme includes complete solution for supply, installation, commissioning and comprehensive maintenance contract (CMC) for 5 years. The solar dual pump should consist arrangement of installation of Solar photovoltaic submersible pump in addition to the hand pump in the same bore well/Tube well.

System should consist Solar Panels, Submersible Pump, electronics, Module Mounting Structure, Hot dip galvanized Tank Tower Structure (3mtr), 5,000 liters LDPE water storage tank, common Stand Post, distribution pipe line.

1. PV ARRAY

The SPV water pumping system should be operated with a PV array capacity in the range of 900Wp or above (with recommended tolerance), measured under Standard Test Conditions (STC). Sufficient number of modules in series and parallel could be used to obtain the required PV array power output. The power output of individual PV modules used in the PV array, under STC, should be a minimum of 335Watts peak for array capacity of 900Wp or above, with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.

Indigenously produced PV module (s) containing mono/ poly crystalline silicon solar cells should be used in the PV array for the SPV Water Pumping systems.

- Modules supplied with the SPV water pumping systems should have certificate as per IEC 61215 specifications or equivalent National or International/ Standards.
- Modules must qualify to IEC 61730 Part I and II for safety qualification testing.
- The efficiency of the PV modules should be minimum 17% and fill factor should be more than 70%.
- The terminal box on the module should have a provision for “Opening” for replacing the cable, if required.
- There should be a Name Plate fixed inside the module which will give:
 - a. Name of the Manufacturer or Distinctive Logo.
 - b. Model Number
 - c. Serial Number
 - d. Year of manufacture

1. Mono/poly-crystalline Solar Panels Capacity – 900Wp or above.
2. 4 numbers anti-theft fittings need to be provided for each panel.

2. MOUNTING STRUCTURES.

The PV modules will be mounted on metallic structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 200 km per hour. The support structure used in the pumping system will be hot dip galvanized iron (G.I).

The “Mounting Structure” should have the following features:

- The modules support structure shall be mild steel, hot dipped galvanized (80 micron) iron for holding the PV modules. The size of angle iron should not be less than 50x50x5 mm.

Each panel frame shall be complete with a weather proof junction box as per the relevant BIS specifications, where the module terminals shall be interconnected and output taken.

- All nuts and bolts should be made of very good quality and should be corrosion resistant.
- The structure should be designed to allow easy replacement of any module.
- The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels.

3. ELECTRONICS AND PROTECTIONS

- Maximum Power Point Tracker (**MPPT**) should be included to optimally use the Solar panel and maximize the water discharge.
- Controller for BLDC motor driven pumps, if required be used. The controller must have **IP 65** protection or must be housed in a cabinet having at least IP 65 protection.
- Adequate protections should be incorporated against dry operation of motor pump set, lightning, hails and storms.
- Full protection against open circuit, accidental short circuit and reverse polarity should be provided.
- Recommended lightning arrestor for module, motor.

4. ON/OFF SWITCH

A good reliable switch suitable for DC use is to be provided. Sufficient length of cable should be provided for inter-connection of the PV array, Controller / Inverter and the motor pump set.

5. WARRANTY

The PV Modules must be warranted for output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. The whole system including submersible/ surface pumps shall be warranted for 5 years. Required Spares for trouble free operation during the Warrantee period should be provided along with the system.

6. OPERATION AND MAINTENANCE MANUAL

An Operation and Maintenance Manual, in English and the local language, should be provided with the solar PV pumping system. The Manual should have information about solar energy, photovoltaic, modules, DC motor pump set, tracking system, mounting structures, electronics and switches. It should also have clear instructions about mounting of PV module, DO's and DONT's and on regular maintenance and Trouble Shooting of the pumping system. Name and address of the person or Centre to be contacted in case of failure or complaint should also be provided.

7. Solar Submersible Pump

- Light weight stainless steel helical rotor / equivalent submersible pump with MPPT pump controller with suitable indication and control, Permanent magnet brushless motor.
- Pump type – To run on 900Wp or above solar module, 1 HP BLDC PUMP or equivalent
- Shut off head- max 120 mts
- Rated rpm – Variation as per solar radiation
- Rated voltage – Variation as per input
- Rated current – To meet power of module matrix.
- Built-in features –
 - a. Outer dia should fit to fit the bore
 - b. Outlet of the pump should be 32mm.
 - c. Dry run protection, suitably above motor
 - d. Over and under voltage protection
 - e. Overload protection
 - f. Temperature Protection

Auto Water Level Controller without Battery: -

Automatic OFF/ON for controlling water level in the tank.

IP -65 water proof housing

Suitable AC/DC inputs

Cable:-

- 3 core x 2.5 sq.mm cable as per IS 694- 70 meters.
- PVC Pipe ½ inch for covering cable for concealed connection – 10 mtrs.

8. Water Supply System

The depth of submersible Pump shall be max 90 mtrs or as per the depth of the bore with independent riser pipe. HDPE / CPVC pipe as per IS of 50 mm size shall be used from overhead tank to stand post below ground level connection at a depth of minimum 60cm of required length (up to 50 Mt). Only GI pipe of 50/40/32/25 mm size shall be used for over ground connection such as inlet, outlet and over flow connection of OHT and to distribution line connected to four/Two mouth hot dip galvanized Common stand post with stainless steel self-closing (304 grades) taps at a height 800mm. After testing of the pipe distributions and stand posts the trenches to be filled up with excavated earth up to a depth of 30 cm watering and riming and

making good to the damages of the road as per pre road condition (WBM/CC/Bituminous).

TECHNICAL SPECIFICATIONS

PART - B

Supply ,Installation of MS steel structure / LLDPE Rotational moulded polythene cylindrical vertical water storage tank (Double Layer) 5000 liters capacity with ISI mark of IS : 12701:1996 Latest revision and completion of rising main distribution system ,etc. should be carried out as per the scheme details enclosed.

PART B: Technical Specifications of:

1. MS steel structure,
2. Rising main and distribution system
3. Civil Work.

1.MS Steel Structure:-

Design and drawings of the structure and foundation are enclosed

GI Structure should be strong enough (Main columns and base frame for Overhead Tank be made out of minimum of 91.5mm x 91.5mm x 4.5 mm square tube) to hold minimum of 7.5 tons of weight and cater to a minimum of 200 km/hr. wind speed. RCC foundation should be strong enough to hold weight of structure and water tank and the PV modules. Foundation bolt - M -16X700mm (length)-16 nos.

RCC foundation should be strong enough to hold weight of structure and 5000 Litters Capacity water tank filled with water. Height at which the tank kept is 3 mtr.

The structure should be hot dip galvanized (minimum thickness 80 microns and 120 microns in coastal area) Overhead tank structure should be erected on suitable solid foundation made of reinforced cement concrete as per the ground requirement.

All details of IS standards of MS Sq tubes, MS plates, Nut bolts and welded joints are as bellow;

1. Indicates H.Y.S.D. BARS Fe 415 grade as per IS :1786
2. Grade of concrete M-20
3. Grade of PCC M-10(1:3:6)
4. Provide clear cover to main reinforcement
5. For Column- 40 mm
6. For Beams - 30 mm
7. Footing to be rest on hard strata
8. Lap length for column - 50 X DIA
9. All dimensions are in mm. unless otherwise specified
10. Minimum depth of foundation - 1.20 M
11. All high strength deformed bar (Fe 415) reinforcement shall be minimum yield strength mentioned in IS: 1786.
12. All welds are 4 mm continuous fillet unless otherwise noted.
13. All structural steel used for welded structures shall confirm to IS: 2062 Grade – A (Fe410 W A) except for MS plates over 16 mm thickness which shall confirm to IS: 2062Grade - B (Fe 410 W B) unless otherwise noted.

14. Electrodes for Mild steel confirm to IS : 814 and IS : 815 (Latest)
15. Welding procedures are to be as per IS : 816 and IS 9595 (Latest)
16. Welding lengths wherever indicated are minimum required however full contact length to be welded in all cases unless noted otherwise.
17. All Bolts and Nuts shall confirm to IS : 1363 (Latest)
18. H.S.F.G. Bolts and Nuts shall confirm to IS: 3757 and IS: 6623 respectively.
19. Washers shall confirm to IS : 5369 -1975, IS : 5370-1969, IS : 5372-1975 or IS : 5374- 1975.
20. Bolts in direct tension shall be provided with the lock nuts or double coil spring washers.
21. All steel sections shall be thoroughly strengthened and wire brushed to ensure complete removal of rust and scale.
22. All dimensions refer to unfinished concrete dimensions unless shown or noted.
23. SBC of soil is assumed 200 Km/m²
24. Structural steel Fe 250 as per IS: 226.

Rising Main and Distribution System:

Rising main consist of GI pipe of 25/32 mm Dia. of IS : 1239 of suitable for the distance between hand pump special water chamber of dual pump system and LLDPE water storage tank with vent pipe. Distribution system consist of pipe line from water storage tank to common stand post. Details are as bellow.

Rising Main:

For Inlet of Tank Providing and laying ISI mark GI pipe of medium Class 25 mm Dia Including one end coupling for full length pipe. As per IS: 1239 /2004.

For Distribution - Providing And supplying and laying , in standard length ISI mark rigid unplasticized PVC (8 kg/cm²) pipes 50 mm dia. suitable for potable water with solvent cement joint including couplers as per IS specification No.4985/1988.

Providing and construction 4 taps stand posts as per approved type and design (Drawing shown in sheet No.- 4) with Excavation , 15 Cm thick bolder filling 15 cm thick PCC 1:3:6 bedding 20 mm thick PCC 1:2:4 concrete for platform of 1 Mtr Dia with side curb and bucket rest , 80mm Dia heavy duty GI pipe central post duly filled therein with CC 1:2:4 ,5 mtr long , 20 mm dia .medium GI pipe from point of tapping to stand post additional 20 mm Dia GI pipe fixed vertically and providing and fixing two 15 mm Dia. self-closing brass water taps, brass ferrule etc complete.

For Outlet of Tank providing and laying of ISI mark GI pipe of 40/50 mm Dia.

Including complete with one end coupling for full length pipe As per IS: 1239/2004.

For Outlet of Tank supplying and installing gunmetal gate valve of size of 50 mm Dia. Supplying and erecting heavy duty GI Union in position with necessary material for 25 mm Dia, 40 mm Dia. and 50 mm Dia.

3. Civil Work:-

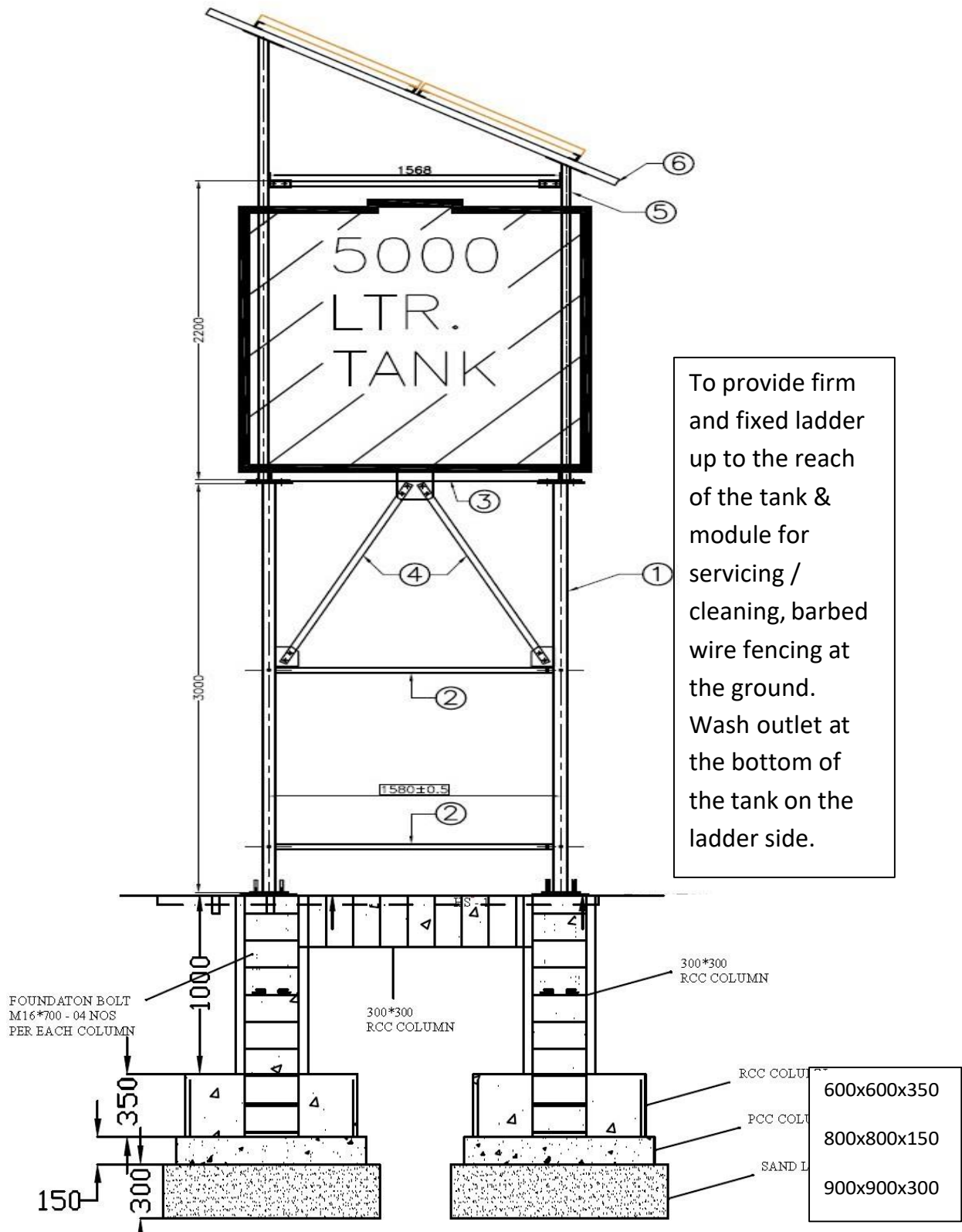
- 1.Civil work essentials for erection of overhead Tank Structure as per site conditions and soil formations
2. Civil work essentials for erection and skirting of stand post.
3. Civil work essentials for construction of hand pump platform.
4. LLDPE Rotational Moulded Cylindrical Vertical Water Storage Tank (Double Layer) 5000 liters capacity with ISI mark of IS: 12701:1996 conforming to all Latest revision.
Overall Diameter Range : 1800 to 2110 mm
Overall Height Range: 1800 to 2100 mm.

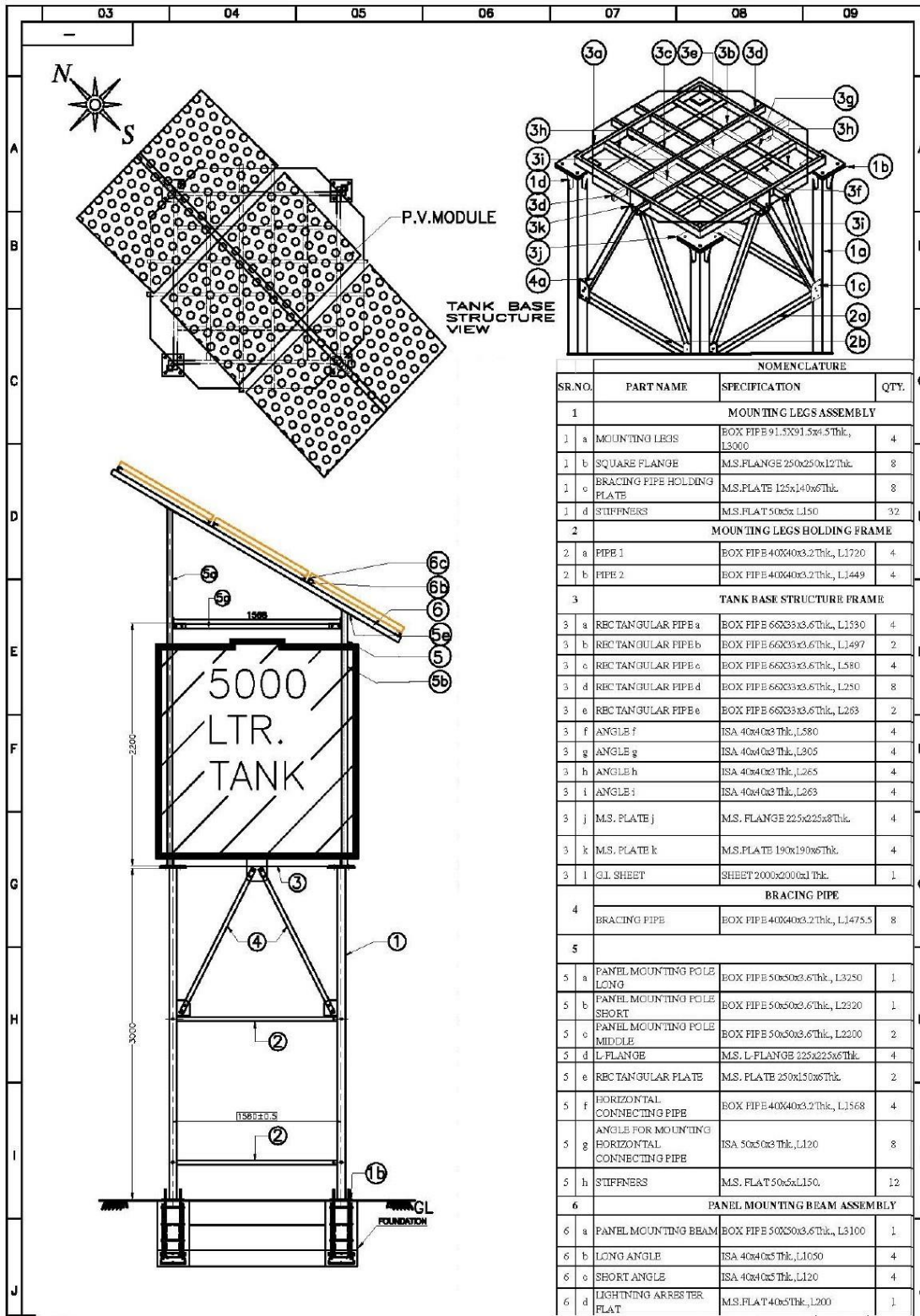
Minimum Internal Dia. Of man hole / Hand hole: 450 mm.

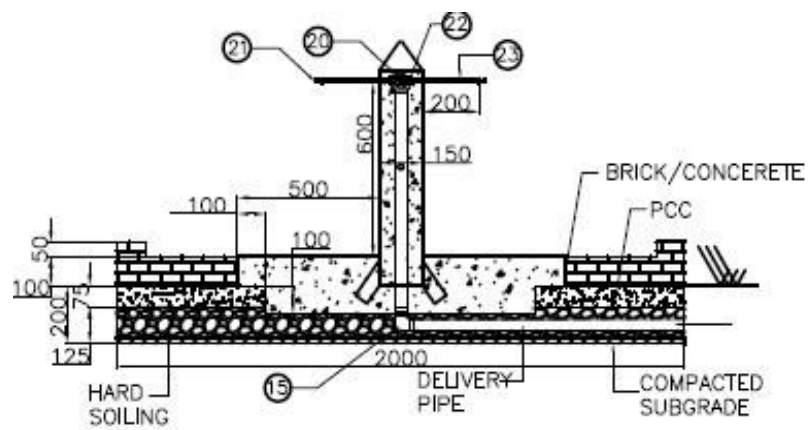
Minimum Wall and Bottom Thickness: 10.7 mm. Minimum weight of Tank without Lid: 180 Kg.

All other technical specifications should be as per IS specifications.

Minimum Reference drawing for model I with overhead Solar module







STAND POST DETAIL VIEW

Annexure-B**Estimated cost**

Sl no	Particulars	Price in Rs.
1	<p>Supply of Solar Photovoltaic Water Pumping System consisting of 1 HP submersible BLDC pump set and Photovoltaic solar panel set of 900 Wp, lightning arrester, water level auto control & electronics etc. complete as per technical specification.</p> <p>Supply of 25 LDPE independent riser pipe of maximum 60m along with stainless cylinder, nipples, special water chamber, strainer / filter to the pump, necessary fittings to the Solar Photovoltaic water submersible pump set, etc. complete to convert a hand pump to dual pump as per GSDA specification / drawing.(In case of sanitary well float arrangement to provide complete in all respect)</p> <p>Supply of Hot dip galvanized MS Steel staging as per technical specification for composite structure for water storage tank at 3m & MS galvanized module structure as per technical specification.</p> <p>Supply of materials for rising main up to 50m, distribution system with 50 mm piping, one galvanized stand posts with 4 taps and 5000 LLDPE (ISI) water storage tank at the locations point on the basis of the joint survey of OREDA / RWS&S etc within 50 m diameter from the hand pump, closest to the habitation as per technical specification.</p> <p>Supply of barbed wire fencing for the ladder/ solar PV panel / staging structure at the ground base, display plate of the supplier/executants, IEC materials to display.</p> <p>Supply of Construction material for foundation for hot dip galvanized MS Steel Staging for LLDPE (ISI) water storage tank, solar panel and stand post platforms etc conforming to GOI / GSDA, Maharastra plan and drawing.</p>	2,81,242
3	Installation of the complete system along with CMC for 5 Years	1,20,532
	Total	4,01,774

Survey Format for Solar Energy Based Dual Pump Pipe Water Supply

(To be jointly surveyed by RWS&S, OREDA, Village Representative, Executing firm,
details to mention wherever necessary)

1. Name of the habitation
2. Name of Village
3. GP
4. Block
5. Sub division
6. Number of HH in the habitation
7. Bore well / Sanitary well / any other
8. Water table of well, static when surveyed
9. Min water level, if sanitary well, during summer
10. Yield of bore well/ Well 2000 litre per hour
11. Recharging / yield of sanitary well lit per hour
12. Depth of well in mts
13. Length of casing pipe
14. Distance of habitation from source in mts
15. Site for Over head tank(OHT) & module free
from shed / tree
16. Distance from source to OHT in mts
17. Distance of source from the highest point of habitation
18. Sample sketch to draw/ Layout of Site .

Signature

Signature

Signature

Firm
Representative

Village
Representative

Authorised
Officer

ANNEXURE-C

Joint Commissioning Cum Handing Over certificate and Pump

(1) Village Block District

(2) Supply / installation Order No.: _____ Date: _____

(3) Actual Date of Commissioning: _____

(4) Name & address of the executants:

It is hereby certified that the executants M/s-----
----- has successfully installed & commissioned the
_____ Watt SPV dual Pump in Village _____ on _____ (date)
with all components as mentioned in Annexure I appended hereto, as per the terms and
conditions of the supply / installation order mentioned at serial No. (2) above.

The supply / installation has been fully executed as per the supply / installation order
and it is handed over in good working condition. The executants shall provide complete
warranty against all manufacturing defects and defective/erroneous installation for a period
of FIVE years from this date of handing over. The warranty, O&M certificate / agreement
, engineering documents have been handed over to OREDA. The above-mentioned SPV
Hand Pump is hereby handed over by the executants to Panchayat
/ VWSC / User in fully satisfactory working condition.

Seal and
Signature

Sarpanch/VWSC

Seal and
Signature

Authorized
In-Charge

Seal and
Signature

OREDA
Officer

Seal and
Signature

Authorized
Officer

ANNEXURE- D

DETAIL OF SYSTEM INSTALLED

S N	Name of the items installed/supply / installations commissioned at site	Unit	Quantity	Remark
1	----- Wp SPV Module of _____Wp each of _____make as per tender specifications along with IV curve details of every individual panel with anti theft fittings with lightning arrester.	No.		
2	1HP(equivalent) Submersible DC, HR / roto-dynamic equivalent pump with MPPT pump controller with suitable indications and controls as per valid test certificate.	No.		
3	All fittings for conversion of hand pump to dual pump including SS cylinder, nipple, water chamber, strainer / filter.	Set		
4	LDPE (ISI) Overhead Tank of capacity 5000 liters. Suitable Hot Dipped Galvanized MS Structure and civil installation as per design	Set		
5	Auto Water Level Controller without Battery	Set		
6	Cable recommended	mtr/no		
7	Lift cock Taps / Common stand post and platform with proper drainage channel arrangements 1 set	Set		
8	GI / CPVC/ UPVC/LDPE Pipe with valves as per relevant Standard	mtr/no		
9	Civil Supply / installation of Platform for Pump with proper drainage channel arrangements and 1 soak pit .	Mtr & no.		
10	Firm and fixed ladder up to the solar module for cleaning , barbed wire fencing / guard at the base ground etc	no.		
11	Display board with dos and don'ts			

Seal and
Signature

Seal and
Signature

Seal and
Signature

Seal and
Signature

Sarpanch/VWSC
In-Charge

Authorized
Officer

OREDA
Officer

Authorized
Officer

ANNEXURE-E

Scope of Comprehensive maintenance of Solar energy based dual pump piped water supply systems for a period of 5 years. (Contract draft subject to revision)

All materials, components of the Solar energy based dual pump piped water supply systems during the period of maintenance shall be the property Village Committee where the system is installed.

Regular maintenance of the all Systems for a period of 5 years of warranty against manufacturing defects after commissioning along with supply of consumable items as and when necessary and submission of daily performance of solar submersible pump systems shall come, under the comprehensive maintenance contract.

The break down maintenance of the entire system including supply of necessary spare parts, if any are already under the coverage of warranty clause of the General Terms & Condition and special terms & condition for a period of 5 years from date of commissioning of solar submersible pump systems. The operation and maintenance schedule of the SPV solar submersible pump systems during the 5 years contract period shall be as detailed below.

1. 5 years comprehensive maintenance period shall begin on the date actual commissioning for the solar submersible pump systems. The requisite numbers of qualified and trained personnel are required to be deputed / available in the state.
2. The security of the solar submersible pump systems will rest with the village committee till such time comprehensive maintenance of the solar submersible pump systems.
3. The deputed personnel shall be qualified and well trained so that they can handle any type of operation hazard quickly and timely.
4. The deputed personnel shall have to keep the record on quarterly basis for the solar submersible pump systems as per format to be supplied after commissioning of the solar submersible pump systems.
5. The deputed personnel shall be in a position to check and test all the equipment regularly, so that preventive actions, if any, could be taken well in advance to save any equipment from damage.
6. The Village Committee shall keep clean the solar submersible pump systems in all time.
7. Normal and preventive maintenance of all systems all electrical connection, changing of tilt angle of module mounting structure shall be the responsibility of the supplying agency.

8. During the maintenance period of 5 years of the solar all systems, if there is any defect of any component of all systems the supplier shall be responsible for immediate replacement / rectification. The damaged component may be repaired, if it is understood after examination that after repairing performance of the component shall not be degraded, otherwise the defective component shall have to be replaced by new one without any extra cost.
9. List of spare parts & measuring instruments are to be supplied along with the systems may be specified in the bid.

10. Comprehensive Maintenance Instructions:

- 10.1 The executants shall furnish prior to completion of the supply / installations copies of maintenance instruction in Odiya / English for approval and supply sets of the approve manuals of instructions at the time of inspection and taking over of the equipment. These manuals shall properly bound in book form and contain all information, description of equipment, diagram etc. necessary to enable the customer to operate and maintain the whole scheme.
- 10.2 Proper maintenance of the systems shall be carried out by the executants during the maintenance period of 60 months with 6 monthly / annual review checkup of systems and equipment in detail with purchaser.
- 10.3 Properly qualified and trained personnel well versed in maintenance of SPV systems and knowledge of computers with approval from purchaser shall be deployed at site for maintenance.
- 10.4 Proper repainting, re-coating of exposed surfaces to prevent rusting & replacement of worn out parts shall be carried out along with the maintenance.
 - Systems personnel shall be deputed on such basis so that a qualified / trained person with a minimum Technical qualification should be available at site always during the maintenance period.
 - Supplier shall depute on engineer of their company for the maintenance of the systems who shall be fully responsible for the complete maintenance and optimum operation of the systems. The name and contact nos. of this engineer shall be notified to the purchaser for the purpose of contact, responsibility and correspondence with regard to all trouble shooting.
 - Replacement & repair of damaged parts shall be carried out immediately during the maintenance period so as to ensure at least 95% uptime.
 - Systems operation reports in a format prescribed by the purchaser shall be furnished by the supplier on a weekly and monthly basis.

- Systems shall be operated as per the standard practices to ensure proper safety measures.
- The supplier shall ensure replacement of worn out parts and component during the comprehensive maintenance period for which purpose the supplier shall carry and maintain minimum inventory of spares at the systems and its supply / installations.
- In case of delay in repair & maintenance and non-observance of schedule, the purchaser shall have the right to impose any penalties including forfeiture of performance security.
- In case of any fault, the fault must be removed within 2 days of receipt of the complaint, failing which a penalty of Rs.1,000/- per day shall be charged. In case of delay of more than 7 days OREDA may on its take up repair by any suitable method and the cost of the repair along with the penalty amount will be charged from the supplier to be paid or deducted from the performance security deposit by invoking the BG in part to the extent of the repair cost. However, under Force Majeure circumstances penalty can be waived off.

10.5 Routine, preventive, breakdown& Capital Maintenance :

- Routine and Preventive maintenance shall include such checks and maintenance activities quarterly / half yearly and yearly basis which are required to be carried out on all the components of the solar submersible pump systems to minimize breakdown and to ensure smooth and trouble free running of the all systems. The supplier shall be responsible to carryout routine and preventive maintenance and replacement of each and every component/ equipment of the solar submersible pump systems and he shall provide all labour, materials, consumables etc. for routine and preventive maintenance of his own cost.
- Breakdown maintenance shall mean the maintenance activity including repairs and replacement of any component or equipment of the all systems which is not covered by routine and preventive maintenance and which is required to be carried out as a result of sudden failure / breakdown of that particular component or equipment while the systems is running. The supplier shall be responsible to carry out breakdown maintenance of each and every component of the solar submersible pump systems and he shall provide the required manpower, materials, consumables, components or equipment etc. for breakdown maintenance at his own cost irrespective of the reasons of the breakdown/ failure.
- Capital maintenance shall mean the major overhaul of any component or equipment of the solar submersible pump systems which is not covered by routine, preventive and breakdown maintenance which may become

necessary on account of excessive wear & tear, aging which needs repair / replacement. The capital maintenance of solar submersible pump systems and all civil structures shall normally be planned to be carried out on an annual basis. For this purpose a joint inspection by the supplier and purchaser shall be carried out of all the major components of the solar submersible pump systems, about two months in advance of the annual maintenance period. In order to ascertain as to which components of the solar submersible pump systems require capital maintenance. In this regard the decision of the purchaser will be final and binding. However, if the condition of any systems and component warrants its capital maintenance at any other time, a joint inspection of the purchaser and supplier shall be carried out immediately on occurrence of such situation and capital maintenance shall be carried out. If required, in consultation with concerned authorities. The decision of the purchaser shall be final and binding.

Signature of the bidder

ANNEXURE- H

TECHNICAL COMPLIANCE OF THE SYSTEM OFFERED WITH VALID TEST CERTIFICATE MUST MATCH WITH THE PRICE OFFER

The pump characteristics of energy input vs depth vs water discharge on sunny day must be attached.

S N	Name of the items installed/supply / installations commissioned at site	Brand	Model	Make
1	900 Wp or above Solar module as per technical specifications along with details of every individual panel with anti theft fittings, L camp with lightning arrester.			
2	1HP Submersible BLDC pump with MPPT pump controller, indicators, switches and controls as per Valid test certificate from OEM.			
3	All fittings for conversion of hand pump to dual Pump including SS cylinder, nipple, water chamber, strainer / filter.			
4	LDPE (ISI) Overhead Tank of capacity 5000 liters. Suitable Hot Dipped Galvanized MS Structure and civil installation as per design			
5	Auto Water Level Controller without Battery			
6	Cable recommended			
7	Lift cock Taps / Common stand post and platform with proper drainage channel arrangements 1 set			
8	GI / CPVC/ UPVC/LDPE Pipe with valves as per relevant standard			

ANNEXURE- J**PRICE BID STRUCTURE (ONLINE)**

As per MNRE/ JNNSM/ Other national / international standards on components / systems with terms and condition on warranty / replacements, performances

Sl no	Particulars	Price in Rs.
1	Supply of Solar Photovoltaic Water Pumping System consisting of 1 HP submersible BLDC pump set and Photovoltaic solar panel set of 900 Wp, lightning arrester, water level auto control & electronics etc. complete as per technical specification.	
2	Supply of 25 LDPE independent riser pipe of maximum 60m along with stainless cylinder, nipples, special water chamber, strainer / filter to the pump, necessary fittings to the Solar Photovoltaic water submersible pump set, etc. complete to convert a hand pump to dual pump as per GSDA specification / drawing.(In case of sanitary well float arrangement to provide complete in all respect)	
	Supply of Hot dip galvanized MS Steel staging as per technical specification for composite structure for water storage tank at 3m & MS galvanized module structure as per technical specification.	
	Supply of materials for rising main up to 50m, distribution system with 50 mm piping, one galvanized stand posts with 4 taps and 5000 LLDPE (ISI) water storage tank at the locations point on the basis of the joint survey of OREDA / RWS&S etc within 50 m diameter from the hand pump, closest to the habitation as per technical specification.	
	Supply of barbed wire fencing for the ladder/ solar PV panel / staging structure at the ground base, display plate of the supplier/executants, IEC materials to display.	
	Supply of Construction material for foundation for hot dip galvanized MS Steel Staging for LLDPE (ISI) water storage tank, solar panel and stand post platforms etc conforming to GOI / GSDA, Maharastra plan and drawing.	
3	Total	

4	Rates for Installation and commissioning of the systems mentioned above in all respect	
5	AMC for 5 years @ ----- each year	
6	Grand Total (3+4+5)	

Taxes as applicable will be payable at the time of the supply of material and services.

(In words -----)

Bid Form 1 (Manufacturer's Details)

(To be submitted on the Letter Head of bidder)

Date: _____

Place: _____

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

Sub.: Design, Manufacture, Supply, Installation (Erection), Testing, Commissioning, including Warranty and Comprehensive Maintenance Contract for a period of 5 years of Solar energy based dual pump pipe water supply schemes in the state of Odisha under RWS&S (Basudha) and OREDA.

Ref.: RFP No. _____, dated _____ (the "RFP")

Dear [Sir/ Madam],

Having examined the Bidding Document carefully, We, the undersigned, offer to submit herewith the Manufacturer's details as per the subject line and RFP no. mentioned above.

Name Of the Company/ Firm/	
Full Address office, works, factory	
Company's Registration No.	
GST No.	
PAN No. of the company/manufacturer	
Email Id:	
Aadhar Number of the authorized representative.	
Contact No. of the authorized representative	
Number of service assistance units / Service Partners in Odisha, if any	
Name of the contact person of Service Assistance Unit / Service Partner Address	
Mobile No. Email ID	

We are submitting our Bid and we have applied for the following Project:

We confirm that neither we nor any of our Parent Company/ Affiliate/ Ultimate Parent Company has submitted a response other than this response directly or indirectly in response to the aforesaid RFP.

1. We give our unconditional acceptance to the RFP, issued by OREDA, as amended. In token of our acceptance to the RFP, the same have been signed & stamped by us and enclosed to the response. We hereby confirm that the provisions of the RFP shall be binding on us.

2. We have submitted our response strictly as per the provisions and formats of the RFP, without any deviations, conditions and without mentioning any assumptions or notes.
3. We hereby unconditionally and irrevocably agree and accept that the decision made by OREDA in respect of any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of RFP process. We confirm that there are no litigations or disputes against us, which materially affect our ability to participate or function under the obligations with regard to RFP.
4. Details of the contact person are furnished as below:

Name:

Designation:

Address:

Contact numbers:

Email id:

5. We are enclosing herewith the entire response containing duly signed formats in electronic format sent as per the RFP for consideration.
6. It is confirmed that our response is consistent with all the requirements of submission as stated in the RFP and subsequent communications from OREDA, if any.
7. The information submitted in our response is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our response.
8. We confirm that we shall establish a regional office at Bhubaneswar, Odisha.
9. We confirm that all the terms and conditions of our response are valid for acceptance for a period of one hundred and eighty (180) days from the response Deadline.
10. We confirm that we have not taken any deviation so as to be deemed “non-Responsive” as stipulated in this RFP.
11. We understand that you are not bound to accept any response you receive.

We remain,

Yours sincerely

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 2 (Quality Assurance)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer,

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

We, hereby, submit our ISO certificate for ISO 9001 and ISO 14001 certificate, as per QR Clause 4.2.2. As per Technical Qualification Requirement, our experiences are as follows:

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name] Seal:

[insert seal of the Bidder]

Bid Form 3 (Test Certificates)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

We, hereby, submit Test Certificates for the Equipment from the valid MNRE/ NABL/ BIS authorized Test Labs, pursuant to the requirements as mentioned in RfP.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 4 (Work Experience)

Technical Qualification

(To be submitted on the letterhead of the bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

It is confirm that we meet the Qualification Requirement mentioned under the Technical qualification for which it is submitting its Bid, in the last two (2) years under OREDA as a single EPC contractor without any form of delay in execution of the project.

Technical Qualification	Number of Units installed	FY 23-24	FY 24-25	Total
installation of solar water pumps	No's			

To substantiate the above claim following documents are attached.

Work order	
Completion certificate as per work order	
Performance certificate	

In case of any false documents submitted and found in the future, we shall be liable to be proceeded against as per the Applicable Law.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Annexure to format 4

(To be submitted in the letter head of concerned organization)

It is hereby certified that M/s ----- has completed following projects satisfactorily without any delay in execution.

Number of Units installed	FY 23-24	FY 24-25	Total
No's			

Name & designation of
Technical head of the organization
(Chief engineer/Director (technical)/
DGM)

Seal

Bid format- 5 (Financial Qualification)

(To be submitted on the letterhead of the Chartered accountant)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

I, [insert name of the chartered accountant], confirm that the Bidder, [insert name of the Bidder], as per our detailed evaluation of the Bidder's latest certified true copy of the audited annual accounts and their work orders bidder's average annual turnover are as follow in Solar business only):

Average annual turnover,

Particulars	Unit	FY 23-24	FY 24-25	MAAT
Annual turnover from the income/ earning/ revenue from Solar Business only	Lakh INR			

other income is not considered

I hereby declare that all the information and statements made in this certificate are complete, true and correct and also accept that any misinterpretation contained in it may lead to cancellation of my CA membership, and I shall be liable to be proceeded as per the Applicable Law.

Place: [insert [sign here]
place] Signature

Name of Chartered Accountant (CA): [insert name]

Designation: [insert designation]

Name of the firm of the CA: [insert Bidder's legal entity name] CA
membership no.: [insert CA membership no.]

UDIN number:

Registration no. of the CA's firm:

Seal: [insert seal of the Bidder]

* Attach the Copy of the last two (2) assessment year's "Income Tax Return" along with the above bid form *

Bid Form 6 (Power of Attorney)

POWER OF ATTORNEY

(On Non-Judicial Stamp Paper of Appropriate value)

KNOW ALL MEN BY THESE PRESENTS THAT WE M/s _____ A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF (NAME OF COUNTRY) HAVING ITS REGISTERED/PRINCIPAL OFFICE/PLACE OF BUSINESS AT _____

REPRESENTED BY (NAME OF PERSONS) (THE "EXECUTANT") DO HEREBY NOMINATE, CONSTITUTE, AUTHORIZE AND APPOINT MR. [_____] Name of Attorney], SON OF

[_____] , RESIDENT OF [_____] AND PRESENTLY EMPLOYED WITH [Employer Name], A COMPANY/CORPORATION ORGANISED AND _____

EXISTING UNDER THE LAWS OF (NAME OF THE COUNTRY) AND HAVING ITS REGISTERED OFFICE/PRINCIPAL PLACE OF BUSINESS AT [] AS OUR TRUE AND LAWFUL ATTORNEY ('THE ATTORNEY') TO DO IN OUR NAME AND ON OUR BEHALF ALL OR ANY OF THE FOLLOWING ACTS, DEEDS AND THINGS IN CONNECTION WITH OR IN RESPECT OF OR RELATING TO THE NOTICE INVITING TENDER NO. [] DATED [] (THE "NIT") ISSUED BY OREDA, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF INDIA AND HAVING ITS REGISTERED OFFICE/PRINCIPAL PLACE OF BUSINESS (UNDER THE COMPANIES ACT) (AT OREDA, MANCHESWAR, BHUBANESHWAR - 751010, ODISHA, INDIA) (THE "EMPLOYER") FOR THE EXECUTION OF THE SERVICES DESCRIBED IN THE NOTICE INVITING TENDER (NIT) (THE "SERVICES") THAT IS TO SAY:

TO PREPARE, OFFER, SIGN, SUBMIT AND DELIVER TO THE EMPLOYER THE EXECUTANT'S BID FOR THE SERVICES PURSUANT TO THE NIT (THE "BID") INCLUDING TO MAKE, SIGN SUBMIT, DELIVER, EXECUTE, AND ACCEPT ALL DOCUMENTS, INCLUDING APPLICATIONS AND OTHER WRITINGS NECESSARY FOR OR INCIDENTAL TO THE SIGNING, SUBMISSION AND DELIVERY OF THE BID TO THE EMPLOYER; TO NEGOTIATE, ENTER INTO, SIGN AND EXECUTE, ACCEPT AND DELIVER ALL CONTRACTS UNDERTAKINGS, ACCEPTANCES AND OTHER WRITINGS CONSEQUENT UPON ACCEPTANCE OF THE EXECUTANT'S BID; PARTICIPATE IN BIDDERS' AND OTHER CONFERENCES AND

PROVIDE ALL INFORMATION REQUIRED BY THE EMPLOYER AND TO FURNISH/SEEK CLARIFICATIONS ARISING OUT OF OR RELATING TO THE NIT AND, UPON AWARD OF THE CONTRACT CONSEQUENT TO THE ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER; TO REPRESENT AND ACT ON BEHALF OF THE EXECUTANT IN RESPECT OF ALL MATTERS BEFORE THE EMPLOYER RELATING TO THE EXECUTANT TO BID AND UPON THE ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER INCLUDING THE RESULTANT CONTRACT ON SUCH THE ACCEPTANCE OF THE EXECUTANT'S BID (THE "CONTRACT") IN RESPECT OF ALL MATTERS RELATING TO OR ARISING OUT OF OR CONCERNING THE CONTRACT AND TO GENERALLY DEAL WITH THE EMPLOYER ON BEHALF OF THE EXECUTANT IN ALL MATTERS ARISING OUT OF OR IN CONNECTION WITH OR RELATING TO OR ARISING OUT OF THE EXECUTANT'S BID. THE NIT AND THE CONTRACT IN THE EVENT OF ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER.

AND GENERALLY TO DO ANY AND ALL OTHER AND FURTHER ACTS, DEEDS AND THINGS WHICH ARE NECESSARY FOR OR INCIDENTAL TO OR DEEMED APPROPRIATE FOR MORE EFFECTUAL EXERCISE OF THE POWERS HEREBY CONFERRED.

AND WE, THE EXECUTANT ABOVE NAMED DO HEREBY AGREE AND UNDERTAKE TO RATIFY AND CONFIRM AND DO HEREBY RATIFY AND CONFIRM ALL ACTS, DEEDS AND THINGS LAWFULLY DONE OR CAUSED TO BE DONE BY OUR SAID ATTORNEY PURSUANT TO AND IN EXERCISE OF THE POWERS HEREBY CONFERRED AND ALL ACTS, DEEDS AND THINGS DONE OR CAUSED TO BE DONE BY OUR SAID ATTORNEY PURSUANT HERETO SHALL ALWAYS BE DEEMED TO BE THE ACTS, DEEDS AND THINGS DONE BY THE COMPANY ITSELF.

IN WITNESS WHEREOF, THIS POWER OF ATTORNEY ON THIS [DATE] DAY OF [MONTH], [YEAR] HAS BEEN EXECUTED UNDER THE COMMON SEAL OF THE COMPANY, AT (NAME OF PLACE).

For [Name of the Executant]

By

(Name of Officer)

Title
WITNESSES

1.

Notes:

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.

The Bidder should submit for verification the extract of the charter documents and documents such as a resolution of its Board of Director/ power of attorney in favour of the person executing this Power of Attorney for delegation of power hereunder on behalf of the Bidder.

For a Power of Attorney executed and issued overseas, shall be duly apostilled as per Hague Convention 1961 or duly stamped in accordance with Indian Stamp Act, 1899 within three months from the date of receipt of POA in India.

*Strike out the form if not applicable for the bidder.

Board Resolution

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

NIT no.: [insert NIT no.]

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED IN THE MEETING OF THE BOARD OF DIRECTORS OF M/S. [insert name of the Bidder] HAVING ITS REGISTERED OFFICE AT [insert office address of the Bidder] HELD ON [DD MMM YYYY] AT [HHMM]HRS.

Resolved that we, [insert name of the Bidder], do agree to participate in the NIT invited by OREDA vide NIT no. [insert NIT no.] dated [DD MMM YYYY] for the selection as an Engineering, Procurement and Construction (EPC) Successful Bidder for Engagement of Original Equipment Manufacturer Empanelment of solar water pump at OREDA.

RESOLVED FURTHER THAT, [insert name of the Bidder] agrees to unconditionally accept all terms and conditions mentioned in the aforementioned Bidding Document.

RESOLVED FURTHER THAT, Ms./ Mr. [Name of the Authorized Signatory] [is/ are] presently residing at [residential address of Authorized Signatory] and having PAN [insert PAN no. of Authorized Signatory] who is presently employed with us and holding the designation of [designation of the Authorized Signatory] is the Authorized Signatory of [insert name of the Bidder] be and hereby authorized to sign, execute and submit such applications, undertakings, agreements and other requisite documents writings and deeds as may be deemed necessary or expedient to implement the above Project.

AND RESOLVED FURTHER THAT, the common seal of the company is affixed, wherever necessary, in accordance with the applicable procedure laid down by the applicable law and the charter documents. For [insert name of the Bidder]

Chairman/ Director/ Company Secretary

(Signatory of the Board Resolution)

Name of the Authorized Signatory

Specimen signature of Authorized Signatory

Bid Form 7 (Self-certificate- I)

Self-certificate

(To be submitted on Firm's Letterhead)

Date: [DD MMM YYYY]

EOI no.: [insert EOI no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

We, the undersigned, confirm and certify that we have not been debarred/ blacklisted/ defaulted by any Government, agency, Public Sector Undertaking (PSU), institution/ autonomous organizations in the past. We have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive.

I/we hereby declare the following in the context of the EOI that:

In case of any false documents submitted and found in the future, we shall be liable to be proceeded against as per the Applicable Law.

In case of any such events, we have provided the case details and their current status below. [strike-off this line, in case it is not applicable].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 8(Self-certificate- II)

Self-certificate

(To be submitted on Firm's Letterhead)

I, _____, M/s _____ hereby certify that I/ we have neither failed to perform on any agreement nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder during last 05 (five) years.

If the information submitted above is found to be erroneous in future, the contract, if given to the firm shall be rejected without assigning any reasons thereof.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 9 (Warranty Certificate)

(To be submitted on Firm's Letterhead)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

The Warranty in respect of the Equipment shall be as follows:

Product Warranty for a period of five (5) years from the date of Commissioning of the Project.

We, [insert the Bidder name], hereby certify and confirm to provide service support during the entire warrantee period of 5 years from the date of installation for equipment supplied to any system integrator awarded by OREDA for any OREDA project.

The above criteria is for the period after the award of LOE.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 10 (Registration details)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha. Email:

ceoreda@oredaorissa.com

We, the undersigned, attaching the Certificate of Incorporation, Memorandum of Association (MOA) and Article of Association (AOA) [applicable in case of companies]. The **AOA** (if applicable) shall mention the company's operations and defines the company's purpose from the SOW point of view or

We, the undersigned, attaching the Partnership Deed [applicable in case of partnership firm]. or

We, the undersigned, attaching the proof of having the bank account or any other document as issued by the Government [applicable in case of sole proprietorship firm].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 11 (PAN)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

We, the undersigned, attaching the copy of the PAN card.

The PAN is [insert PAN].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 12(GST certificate)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha. Email:

ceoreda@oredaorissa.com

We, the undersigned, attaching the copy of the GST Certificate.

The GST no. is [insert GST no.] and the place of GST registration is for the state of [insert state name].

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 13(No Deviation certificate)

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha.

Email: ceoreda@oredaorissa.com

We, [insert the Bidder name], hereby certify and confirm that we have read the clauses and provisions of the RFP, Addendums, Corrigendum, etc. issued thereafter and the stipulation of all clauses and provisions are acceptable to us, and we have not taken any deviation whatsoever to any of the clauses and provisions.

*In case the Bidder has taken any deviation, then the same shall be mentioned here.

Clause No.	Deviations considered, if any
------------	-------------------------------

[*strike-off, if not applicable]

We further confirm that we are aware that our Bid would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of the bidding process or thereafter during the performance of the Work Order.

Place: [insert place] [sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

Bid Form 14-SECURITY DEPOSIT

(To be submitted on a non-judicial stamp paper of appropriate value as per The Indian Stamp Act, 1899 relevant to the place of execution. The stamp paper shall be purchased in the name of the issuing bank only.)

Bank Guarantee (BG) no.: [insert BG no.]

Date: [DD MMM YYYY]

To

The Chief Executive Officer

OREDA LIMITED

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha. Email:

ceoreda@oredaorissa.com

WHEREAS M/s. [insert name of the Successful Bidder] having its registered office at [insert address] (hereinafter called "the Successful Bidder") has been selected as the Successful Bidder for the selection as an Original Equipment Manufacturer Empanelment of solar water pump at OREDA with reference to NIT no. [insert NIT no.] dated [DD MMM YYYY] and Letter of Empanelment no. [insert LOE no.] dated [DD MMM YYYY].

AND WHEREAS it has been stipulated by OREDA in the said Bidding Document that the Successful Bidder shall furnish OREDA with a Bank Guarantee from a nationalized or scheduled commercial bank for the sum specified therein, as Performance Security for compliance with its obligations in accordance with the Bidding Document, the Letter of Intent and the Work Order to be issued by OREDA.

AND WHEREAS we have agreed to give the Successful Bidder such a Security Deposit in the form of this Bank Guarantee. NOW THEREFORE we hereby affirm that we are the guarantors and responsible to OREDA on behalf of the Successful Bidder for an amount up to a total of INR [Amount of the Bank Guarantee in words]

([Indian Rupees in figures]) only and we undertake to pay OREDA upon OREDA's first written demand declaring the Successful Bidder to be in default under the various provisions of the Bidding Document and/ or the Work Order to be issued by OREDA and without cavil or argument, any sum or sums within the limits of the amount of Bank Guarantee, as aforesaid, without OREDA's need to prove or to show grounds or reasons for the demand or the sum specified therein. We hereby waive the necessity of your demanding of the said demand from the Successful Bidder before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Bidding Document and/ or the Work Order to be issued by OREDA to be performed thereunder or any of the contract documents which may be made between you and the Successful Bidder shall in any way release us from any liability under this Bank Guarantee and we hereby waive notice of any such change, addition or modification.

This Bank Guarantee shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the issuing bank.

This Bank Guarantee shall be a primary obligation of the issuing bank and accordingly OREDA shall not be obliged before enforcing this Bank Guarantee to take any action in any court or arbitral proceedings against the Successful Bidder, to make any claim against or any demand on the Successful Bidder or to give any notice to the Successful Bidder or to enforce any security held by OREDA or to exercise, levy or enforce any distress, diligence or other processes against the Successful Bidder.

This Bank Guarantee shall be interpreted in accordance with the laws of India and the courts at Bhubaneswar, Odisha shall have exclusive jurisdiction.

This Bank Guarantee shall be effective only when the Bank Guarantee is issued to the account holder

Name of account	OREDA Limited
Account No	924020075365443
IFSC	UTIB0000024
Bank	Axis Bank Ltd, Satyanagar, Bhubaneswar

Notwithstanding anything contained herein above our liability under this guarantee is restricted to INR [insert] (Indian Rupees [in words]) only and it shall remain with an expiry date up to [DD MMM YYYY, 12 months]

from the original last date of submission of Bid] with a claim date up to [DD MMM YYYY, 03 months from the date of expiry] and shall be extended from time to time for such period, as may be desired by M/s. [insert the Successful Bidder name] whose behalf this guarantee has been given.

Our branch at [Name and address of the branch] is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our [Name and address of the branch] branch a written claim or demand and received by us at our [Name and address of the branch] branch, otherwise the bank shall be discharged of all liabilities under this guarantee thereafter.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on [DD MMM YYYY] at [insert location of signing].

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch Power

of attorney no.:

WITNESSES

Signature:

Name:

Address:

Signature:

Name:

Address:

Note:

1. This Bank Guarantee format is prepared in line with the Annexure-II of Finance Department Office Memorandum 4939 dated 13 Feb 2012, Govt of Odisha [Ref Para 22(i1)].
2. Please ensure that each page of the Bank Guarantee is duly signed by the authorized signatory of the issuing bank and stamp of the issuing bank is affixed thereon.
3. Please ensure whether the last page is signed with full particulars including two witnesses under the seal of Bank as required in the prescribed format.
4. Please ensure that the date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of the stamp paper under the signature of the stamp vendor. The date of purchase of stamp paper shall be not later than the date of execution of the Bank Guarantee.
5. In case of any overwriting, cutting, etc. on the Bank Guarantee have been properly authenticated under signature and seal of the authorized office of the issuing bank.

Bid Form -15 (declaration to complete the project in time)

(to be submitted in notarized court paper costing not less than Rs 200/-)

I, _____, M/s _____ hereby certify that I/ we will complete the agreed upon work within 30th September 2025 except Force Measures. Failing this I may be blacklisted by OREDA for three years from date of blacklisting.

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]

5.16 Pre-bid Form

Pre-bid queries

(To be submitted on the letterhead of the Bidder)

Date: [DD MMM YYYY]

RFP no.: [insert RFP no.] dated [DD MMM YYYY]

To

The Chief Executive Officer

OREDA Limited (OREDA)

Address: S-3/59, Mancheswar Industrial Estate, Bhubaneswar - 751010, Odisha. Email:

ceoreda@oredaorissa.com

Sub: Request for Proposal for Engagement of Original Equipment Manufacturer (OEM) Empanelment of solar water pump.

We are pleased to submit the following pre-bid queries:

Sl. No.	Clause no.	Page no.	Clause	Clarification sought	Rationale
1					
2					
3					
4					
5					

Place: [insert place]

[sign here]

Signature

Name of Authorized Signatory: [insert name]

Designation: [insert designation]

Name of the Bidder: [insert Bidder's legal entity name]

Seal: [insert seal of the Bidder]