



ODISHA RENEWABLE ENERGY DEVELOPMENT AGENCY  
(Under Energy Department, Government of Odisha)  
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Letter No: 1071

Date: 03.04.2023

### **Notice for time extension**

**Extension of date of bid submission to the e-tender Notice No- 711 dated 10<sup>th</sup> March 2023 for Design, Engineering, Supply, Installation, Testing and Commissioning of "720 kW Rooftop Solar Power System (RSPS) with 50% battery storage and 720 no's Solar Street Lighting System (SLS) at 36 Odisha Aadarsha Vidyalaya premises across 7 district(s) in Odisha" along with Comprehensive Maintenance for Five (5) years.**

It is for information of all concerned that, the due time for submission of online copies of the Technical Bid has been further extended up to 17.04.2023, Time 5:00 PM. Also, due date and time for submission of hardcopies of the technical bid has been further extended up to 18.04.2023, Time 5:00 PM. The Technical bid shall be opened on 19.04.2023, Time 5:00 PM.

All the prospective bidders are advised to kindly keep referring [www.tenderwizard.com/OREDA](http://www.tenderwizard.com/OREDA) and [www.oredaorissa.com](http://www.oredaorissa.com) website for further updation.

All other terms and conditions of the original tender document shall remain unchanged.

Yours faithfully,

  
3.4.2023  
Chief Executive



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Letter No 1072 OREDA

Dated 03.04. 2023

**Clarification to consolidated queries/suggestions by participants in  
the pre-bid meeting**

A pre-bid meeting through VC and physical mode was held on 15:30 hrs of 23.03.2023 for e-tender Notice No- 711, dated 10.03.2023 regarding Request for Proposal (RFP) Design, Engineering, Supply, Installation, Testing and Commissioning of "720 kW Rooftop Solar Power System (RSPS) with 50% battery storage and 720 no's Solar Street Lighting System (SLS) at 36 Odisha Aadarsha Vidyalaya premises across 7 district(s) in Odisha" along with Comprehensive Maintenance for Five (5) years. Considering the queries/suggestions received from the Bidders in the Pre-Bid Meeting, a consolidated clarification is hereby provided as per annexure-1.

All the prospective bidders are also advised to kindly keep referring [www.tenderwizard.com/OREDA](http://www.tenderwizard.com/OREDA) and [www.oredaorissa.com](http://www.oredaorissa.com) website for any updation before submission of their bids.

All other terms and conditions of the original tender document shall be remain same.

Yours faithfully

Chief Executive

**Clarification on queries raised during pre-bid meeting on 23/03/2023,**

**Request for Proposal (RfP) for selection of Solar Power Generator (SPG) for the development of Hybrid RSPS systems and streetlighting systems on**

S. No.	RfP/PPA clause no. and Description	Page no.	Existing Clause	Clarification sought	Clarification issued by OREDA	Addendum
1	4.3.1.	38	The Bidder must have the experience of installing and commissioning RSPS in at least 430 KW Solar Projects over Schools/Health Institutions, Medical Colleges & Hospital, Universities, Educational Institutions, Community Centers, Welfare Homes, Old age Homes, Orphanages, Common Service Centers, Trust/ NGO/ Voluntary Organizations/ Training Institutions or any other establishment registered under the Society Registration Act, 1860 or The Indian Trust Act, 1882 or during last five (5) years from the last date of online submission of the Technical Bid.	Kindly clarify whether we can add Panchayat samiti Office work experience as a proof of experience w.r.t this criteria. Kindly amend the installing and commissioning RSPS in at least 430 KW Solar Projects in any Govt. building	Yes the bidder can use the experience of projects installed on any govt buildings across India  Necessary Addendum issued	The Bidder must have the experience of installing and commissioning RSPS in at least 100 educational institutions or 430 KW Solar Projects over Schools, Colleges, Universities, Educational Institutions, Training Institutions / any central or state Govt. Buidlings or any other establishment registered under the Society Registration Act, 1860 or The Indian Trust Act, 1882 during last five (5) years from the last date of online submission of the Technical Bid <b>across India</b>

	Clause no 7.5.1.4		Battery bank capacity	How much load will be connected to battery bank	Necessary Addendum issued	Capacity of solar plant: 20 kW Battery backup required for : 10 kW load Battery bank voltage: 120 V Minimum battery bank capacity: 600 Ah  The bidder is allowed to use alternate better specifications for battery
2	clause no 7.5.1.5 sub section a point no- vi		Inverter shall provide display of PV array DC voltage & current, Battery Voltage & Current, Inverter Voltage & Current, Grid voltage & Current, Battery charging status and required parameters when a fault occurs. Remote monitoring of inverter parameters should be possible	battery charging and discharging is seen by voltage level and indication of +/- on it.	Your understanding is correct.  No addendum required	
3	clause no 7.5.1.5 sub section a point no- vii		i. Operating temperature range shall be 0 to 55 deg C	the operation range is 0 to 55 deg C but it should be 0 to 50 deg C.	Necessary Addendum issued	Operating tempratore range of PCU shall be 0 to 50 deg C
4	clause no 7.5.1.5 sub section a point no- x		the overload capacity required is 150% for 10 Sec	It should be like that 101-110% / 111- 125% / 126 – 150% for 60Sec / 30sec/ 5sec	Necessary Addendum issued	The overload capacity of inverter shall be 101-110% / 111- 125% / 126 – 150% for 60Sec / 30sec/ 5sec

5	clause no 7.5.1.5 sub section b point no- x		In PCU, modes will be selected by change the setting of the PCU for that no external switch is there	it is the setting of the PCU. End user need to select the priority as per requirement.	Your understanding is correct.  Please refer to clause no 7.5.1.5 sub section b point no ii.  No addendum	
6	clause no 7.5.1.5 sub section b point no- i			For battery setting i.e. upper cut voltage, under cut voltage, float, bulk and boost end user need to provide us the battery data sheet or inputs for setting in PCU	Please refer to clause no 7.5.1.5 sub section b point no i  The developer will fix the battery setting considering the parameter of inverter/PCU	
7	clause no 7.5.1.5 sub section b point no- l		The charge controller will have provision of indicating String „ON“, Main „ON“, Charging „ON“, 80% Charged, 100% Charged, Charger Overload, Battery On Trickle	in indication row it is not possible to show the % of charging of battery through display.	Necessary Addendum issued	The charge controller will have provision of indicating String „ON“, Main „ON“, Charging ON“, Charger Overload, Battery On Trickle

	<p>Technical Qualification Requirement,</p>		<p>it is mentioned the experience of installation and commissioning of at least 430kW Solar Project over School,Medical Institution or any other Govt. Building .</p>	<p>Please confirm if the Certificate from the concerned Government Department is mandatory for the experience in private building under Govt. Scheme</p>	<p>It is here by clarified that for the schemes under Rooftop Solar under phase 1 and phase 2 or any other govt. scheme the bidder need to submit the certificate from the State Nodal Agency/ any govt department.</p>	
9	6.1.1		<p>10% of the payment will be processed after obtaining documents for the Netmetering.</p>	<p>There is an expected delay of more than 2 weeks from most of the DISCOM for their procedures for netmeter installation</p>	<p>The successful bidder will apply to DISCOM for net metering application on behalf of the beneficiary after receiving the Workorder. The DISCOM will provide the pre feasibility report and NoC within 15 days of receiing the application. The commissioning timeline will be counted from the</p>	

10	2.1.3	23	<p>In case of the Bid Security submitted is in the form of a Bank Guarantee, the expiry date, and claim date are as follows</p> <ul style="list-style-type: none"> <li>• Claim date: Twelve (12) Months from the date of expiry</li> </ul>	<p>Requesting to reduce the claim date of Bid Security from 365 days to 90 or 120 days as advised.</p>	<p>Necessary Addendum issued</p>	<p>The Claim date of bid security if submitted in the form of BG will be 180 days from the date of expiry</p>
11				<p>Structure - We request you to kindly allow us to submit a Structure Stability Report at the time of LOA acceptance</p>	<p>Your understanding is correct. Please refer to 1.6.2 point no 8 and clause 3.2.1.1 point no e.</p>	

12	4.3.1	37	<p>The Bidder must have the experience of installing and commissioning RSPS in at least 430 KW Solar Projects over Schools/ Health Institutions, Medical Colleges &amp; Hospital, Universities, Educational Institutions, Community Centers, Welfare Homes, Old age Homes, Orphanages, Common Service Centers, Trust/ NGO/ Voluntary Organizations/ Training Institutions or any other establishment registered under the Society Registration Act, 1860 or The Indian Trust Act, 1882 or during last five (5) years from the last date of online submission of the Technical Bid.</p>	<p>We request you to kindly reduce 430 Kw to 200 Kw.</p>	<p>No change in the qualification criteria</p>	
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13	4.3.1	37	<p>The Bidder must have the experience of installing and commissioning RSPS in at least 430 KW Solar Projects over Schools/ Health Institutions, Medical Colleges &amp; Hospital, Universities, Educational Institutions, Community Centers, Welfare Homes, Old age Homes, Orphanages, Common Service Centers, Trust/ NGO/ Voluntary Organizations/ Training Institutions or any other establishment registered under the Society Registration Act, 1860 or The Indian Trust Act, 1882 or during last five (5) years from the last date of online submission of the Technical Bid.</p> <p>Support document point no 2:The joint commissioning certificate shall clearly mention the capacity and the date of commissioning. The Joint Commissioning Certificate issued by only the concerned government authority in Odisha.</p>	<p>Kindly clarify if 430 Kw solar projects can be anywhere in India. Also request you to add " All types of Govt. Buildings ( Central/State)". In support documents pt. 2 ,it is mentioned J.C.C. to be issued by only the concerned govt. authority in Odisha - We request you to change this to anywhere in India.</p>	<p>PI refer to serial number 1 for eligibility of projects which is amended accordingly. Necessary Addendum regarding JCC is being issued</p>	<p>The joint commissioning certificate shall clearly mention the capacity and the date of commissioning. The Joint Commissioning Certificate issued by only the concerned government authority in anywhere in India.</p>
14				<p>We request you to consider 7 years work experience</p>	<p>There is no minimum experience requirement in terms of timeline is mentioned in the</p>	

15	4.3.2	37	<p>The bidder must have properly maintained the solar PV systems installed and commissioned in the above 430 KW projects over schools/ Health Institutions, Medical Colleges &amp; Hospital, Universities, Educational Institutions, Community Centers, Welfare Homes, Old age Homes, Orphanages, Common Service Centers, Trust/ NGO/ Voluntary Organizations/ Training Institutions or any other establishment registered under the Society Registration Act, 1860 or The Indian Trust Act, 1882</p>	<p>Kindly accept 430 Kw of experience " Any Power Plant" for maintenance purposes. Also clarify the format for the same. Format 7.11 is not available in the Tender Document</p>	<p>The bidder must have a good track record of maintenance in the specified projects over 100 educational institutions or 430 kW projects in the experience shown for technical qualification.</p> <p>Necessary addendum issued</p>	<p>Please refer to 7.10 for Format for maintenance Experience</p>
16	2.1.8	27	<p>Performance Security for BG -1 : Twenty (20) Months from the date of issuing Letter of Intent</p>	<p>Performance security - For BG 1 - we request you to consider the expiry date for 18 months instead of 20</p>	<p>Necessary Addendum issued</p>	<p>The Expiry date for PBG-1 will be 18 months from the date of issuing Letter Of intent</p>

						<p>allowed.</p> <p>Minimum ownership by one company of at least 26% (twenty six percent) of the voting rights of the other company.</p> <p>Lead member shall mean shall mean the lead member of the Consortium/ JV, who has more than fifty percent (50%) subscribed and paid-up equity share capital of the Consortium/ JV at all times until the first year of operation from COD and is designated as the lead member of the Consortium/ JV by the Other Members of the Consortium/ JV to represent them in the Bid, as per the terms of the RFP.</p> <p>Other member shall mean shall mean the other member(s) of the Consortium/ JV, who have less than fifty percent (50%) subscribed and paid-up equity share capital of the Consortium/ JV at all times until the first year of operation from COD and is designated as Other Members of the Consortium/ JV that will support</p>
17	Clause 4.1.1		Joint Venture and Consortium not allowed	Please to be allowed due to EMD of Rs 21 lakh which is very high for a single bidder	Necessry addendum issued	
18				Bid Submission Last date to be extended up till 17.04.2023 due to financial year	Necessary Addendum issued	Bid submission last date is 17 April 2023

19				Please remove the condition of ISO -9001 and 14001 (Clause- 4.2.2) as we are system integrators and not manufacturers and hence it should be required from manufactures of the equipment's we are using.	With reference to clause no 4.2.2 It is clarified that "The Bidder shall be in posetion of copy of the ISO certificate for ISO 9001 and will possess a copy of the ISO 14001 certificate <b>in the name of the Original Equipment Manufacturer (OEM)</b> , supported by a letter of authorization from	
20	7.5.1(b)		a) The total solar PV array capacity shall not be less than the required capacity and should comprise of solar crystalline PV modules of minimum 300Wp and above wattage each with 72 cells.	As per Clause 7.5.1.(b), please include provision to use 144 cell PV modules of 545W & above as there are most advanced solar panels in the market which will benefit the	As per the clause no 7.5.1(b) the <b>minimum</b> capacity of PV modules will be 300 Wp with 72 cells. <b>Bidder can use the solar modules over and above these specifications.</b>	
21				As per Clause 4.3.1& 4.3.2- Letter of Award (Commissioning Certificate) – This should also include	Yes understanding is correct.  No addendum required	

22				<p>Estimated bid cost of Rs 6,94,48,356 for 720 kW Hybrid plants &amp; 720 X12W SSL Systems is very low if we consider MNRE Benchmark cost as below:</p>	<p>It is clarified that the estimated cost is calculated as per a predefined methodology. There is no restriction on any bidder to quote price below the estimated price.</p>	
23				<p>Please clarify the PBG clause and our bank issue bank guarantee only for 5 years.</p>	<p>The Performance Security shall be submitted for an aggregate amount equivalent to ten percent (3%) of ordered value in five (5) parts 0.6% of initial CAPEX, as per timeline specified in RFP document and corrigendum.</p> <p>The developer has to submit the necessary document along with self certified quarterly performance report of solar systems for</p>	

24	Clause 7.6		<p>The solar street lights are to be installed in the premises of OAV @ 20 no. each in the OAV, totalling to 720 no. in this project. The Technical Specification of a 12 W white-led (w-led) based solar street lighting system with lithium ferro phosphate battery is given below</p>	<p>Please allow the 15 W white LED based solar street lighting system</p>	<p>Necessary Addendum issued</p>	<p>Instead of 12 W white LED based solar street lighting system 15 W white LED based solar street lighting system with LFP batteries with motion sensor to be provided .</p> <p><b>Dusk to dawn:</b>  First 4 Hours full light (Min. 24 Lux), rest of the time at lower light (50%, Min. 12 Lux) level.  (Higher light output will be preferred)</p> <p>All other technical specification will be same as per the original RFP document.</p>
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