



OREDA LIMITED  
(Under the Department of Energy Government of Odisha)

(CIN No: U35105OD2024SGC045786)

( ISO 9001:2008 / ISO 14001:2004)

S/59, MANCHESWAR INDUSTRIAL ESTATE

BHUBANESWAR-751010, ODISHA

Website: [www.oredaodisha.com](http://www.oredaodisha.com) E-mail: [ceoreda@oredaorissa.com](mailto:ceoreda@oredaorissa.com)

Letter No 3052 /OREDA Ltd.  
PD-109/2025

Dated. 05 / 07 / 2025

### Corrigendum

Corrigendum/ addendum is issued with necessary amendments and change in schedule of events for the e-tender notice no – 2670/OREDA Ltd., dated 13.06.2024; for Empanelment of Vendors for Design, Engineering, Supply, Installation, Testing, Commissioning including Comprehensive Maintenance for five (5) years of various Off-grid Solar PV based applications such as Solar Street Lights of various capacities, Solar Mini Masts, Solar High Masts across Odisha on a rate contract basis.

The revised Schedule of events is as mentioned below.

1	Date of publication of RFE on E-procurement website and OREDA website	13.06.2025
2	Due date of pre bid query submission as per format of NIT	20.06.2025, Time: 5.00 PM
3	Date and time of pre-bid meeting through virtual mode <a href="https://meet.google.com/ymn-btpg-bkp">https://meet.google.com/ymn-btpg-bkp</a>	21.06.2025, Time: 11.30 AM
4	Due date and time for submission of online copies of Technical Bid and price bid.	<b>14.07.2025, Time: 5:00 PM</b>
5	Due date and time for submission of hard copies of Technical Bid for select Bid Forms only NB: (Bidders must submit the cost of bid, bid security, and power of attorney only in hard copy, as specified in the tender documents. Submitting any additional documents in hard copy, contrary to the tender requirements, may result in rejection of the tender.)	<b>17.07.2025, Time: 5:00 PM</b>
6	Tentative date and time for the opening of Technical Bid for both online copies and hard copies, except price bid.	<b>18.07.2025, Time: 3:00 PM</b>
7	Due date and time for the opening of online price bid applicable only for the bidders whose Technical bids shall be responsive.	To be intimated later

Details can be seen from the website [www.tenderwizard.com/OREDA](http://www.tenderwizard.com/OREDA) or [www.oredaorissa.com](http://www.oredaorissa.com). Further corrigendum, if any, will be uploaded in these websites only.

  
4.7.2025  
Chief Executive Officer

Memo No. 3053 /OREDA

Date 5 / 7 / 2025

Copy to FA – cum – Additional Secretary to Government, DoE, GoO for favour of information.

  
4.07.2025

**Chief Executive Officer**

Memo No. 3054 /OREDA

Date 5 / 7 / 2025

Copy forwarded to M/S KEONICS, A Govt. of Karnataka Undertaking, No.29/1, Race course Road, Bangalore- 560 001 for information and necessary action.

  
4.07.2025

**Chief Executive Officer**

Memo No. 3055 /OREDA

Date 5 / 7 / 2025

Copy forwarded to the Director (Admin) / All Divisional Heads / Publicity Wing / Notice Board / Website of OREDA i.e. [www.oredaodisha.com](http://www.oredaodisha.com) for information and necessary action. The advertisement may please be published in two Odia dailies and in Two English dailies.

  
4.07.2025

**Chief Executive Officer**

**CORRIGENDUM**

RFE No. 2670/OREDA Ltd., dated 13.06.2024

Sl No.	Page No	RFP clause no.	Existing Clause	Corrigendum/ Addendum																						
1	35	4.3	<p>The Bidder must have the experience of commissioning for a cumulative capacity as mentioned under the "Min. experience requirement in nos.", in the last three (3) years from the last date of online submission of the Technical Bid in India in any of the below mentioned categories.</p> <p>The minimum experience requirement shall be as follows:</p> <table border="1"> <thead> <tr> <th>Criteria &amp; Application</th> <th>Min. experience requirement</th> </tr> </thead> <tbody> <tr> <td colspan="2">Bidders Operating Pan India:</td> </tr> <tr> <td>Solar streetlight system</td> <td>1000</td> </tr> <tr> <td colspan="2">or</td> </tr> <tr> <td>Solar Mini Mast</td> <td rowspan="2">100</td> </tr> <tr> <td>Solar High Mast</td> </tr> </tbody> </table> <p>Note:</p> <p>The Bidder must have the experience of commissioning the respective system for a cumulative capacity as mentioned under the "Min. experience requirement in nos.", in the last three (3) years from the last date of online submission of the Technical Bid in India</p>	Criteria & Application	Min. experience requirement	Bidders Operating Pan India:		Solar streetlight system	1000	or		Solar Mini Mast	100	Solar High Mast	<p>The Bidder must have the experience of commissioning for a cumulative capacity as mentioned under the "Min. experience requirement in nos.", in the last five (5) years from the last date of online submission of the Technical Bid in India in any of the below mentioned categories.</p> <p>The minimum experience requirement shall be as follows:</p> <table border="1"> <thead> <tr> <th>Criteria &amp; Application</th> <th>Min. experience requirement</th> </tr> </thead> <tbody> <tr> <td colspan="2">Bidders Operating Pan India:</td> </tr> <tr> <td>Solar streetlight system</td> <td>500</td> </tr> <tr> <td colspan="2">or</td> </tr> <tr> <td>Solar Mini Mast</td> <td rowspan="2">50</td> </tr> <tr> <td>Solar High Mast</td> </tr> </tbody> </table> <p>Note:</p> <p>The Bidder must have the experience of commissioning the respective system for a cumulative capacity as mentioned under the "Min. experience requirement in nos.", in the last five (5) years from the last date of online submission of the Technical Bid in India</p>	Criteria & Application	Min. experience requirement	Bidders Operating Pan India:		Solar streetlight system	500	or		Solar Mini Mast	50	Solar High Mast
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2	36	4.4	<p><b>Applicability:</b> For category B Bidders only</p> <p>The bidder must have a positive turnover in any of the last two financial years FY 24-25 &amp; FY 23-24.</p> <p>The Bidder shall submit a turnover certificate issued by a chartered accountant, as per Bid Form 7 of Section 7 (Annexure).</p>	<p><b>Applicability:</b> For category B Bidders only</p> <p>It is desirable that the bidders have a positive turnover in at least one of the last two financial years, i.e., FY 2024–25 or FY 2023–24.</p> <p>The bidder shall submit a turnover certificate, duly issued and signed by a Chartered Accountant, in the format prescribed in Bid Form 7 of Section 7 (Annexure), if applicable.</p>								
3	94	7.5.1.1. (2)	<p>The luminaire must use high efficacy W-LED with minimum <b>165 lumens per watt (and UV free)</b>. [A certificate to be submitted by the System supplier to the Test Lab during certification]</p>	<p>The luminaire must use high efficacy W-LED with minimum <b>200 lumens per watt (and UV free)</b>. [A certificate to be submitted by the System supplier of the Test Lab during certification]</p>								
4	95	7.5.1.1. (3)	New Clause	<table border="1"> <thead> <tr> <th data-bbox="957 1025 1141 1131" rowspan="2">Luminary Capacity [W]</th> <th colspan="2" data-bbox="1141 1025 1524 1070">Pole Specification</th> </tr> <tr> <th data-bbox="1141 1070 1316 1131">Tubular</th> <th data-bbox="1316 1070 1524 1131">Octagonal</th> </tr> </thead> <tbody> <tr> <td data-bbox="957 1131 1141 1635">15</td> <td data-bbox="1141 1131 1316 1635">Dia- 4 inch, Thickness- 3 mm, Pole length- 6 meter (5 m above the ground) Material- Hot dip Galvanized Iron (GI) (80 micron)</td> <td data-bbox="1316 1131 1524 1635"></td> </tr> </tbody> </table>	Luminary Capacity [W]	Pole Specification		Tubular	Octagonal	15	Dia- 4 inch, Thickness- 3 mm, Pole length- 6 meter (5 m above the ground) Material- Hot dip Galvanized Iron (GI) (80 micron)	
Luminary Capacity [W]	Pole Specification											
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5	96	7.5.1.1. (11)	New Clause	<p><b>11. Remote Monitoring System</b></p> <p>The charge controller should be provided with a communication node with necessary cables and connectors to interface with the charge controller and a monitoring system enable it to monitor the location and status of system online with app as per Remote Monitoring System specification clause 7.5.1.1.9.</p>								

6	96	7.5.1.1.1	Luminary Capacity [W]	PV Module Power Output [Wp]	Luminary Capacity [W]	PV Module Power Output [Wp]
			20	100	15	75
			30	150	20	100
			30 (Hybrid)	100	30	150
			50	225	30 (Hybrid)	100
			50 (Hybrid)	150	50	225
			70	250	50 (Hybrid)	150
7	97	7.5.1.1.2.			d) Battery should be enclosed in IP66 ABS Box only	
8	97	7.5.1.1.3.	Luminous Efficacy: $\geq 165$ lm/W LED Efficacy: More than 165 – 170 lumens/Watt		Luminous Efficacy: $\geq 170$ lm/W LED Efficacy: Minimum 200 lumens/Watt	
9	98	7.5.1.1.4.			<p>h) The hybrid solar street lighting system shall be designed to operate primarily on solar power with an automatic switch-over mechanism to auxiliary power (grid) when the solar energy or battery charge is insufficient.</p> <p>The system shall ensure uninterrupted illumination during the designated lighting hours under all weather and seasonal conditions.</p> <p><b>Switch-Over Controller</b></p> <p>Intelligent microcontroller-based unit capable of detecting battery state of charge (SOC) and automatically switching to auxiliary power when battery is low.</p> <p><b>Switch-Over Mechanism</b></p> <p>Automatic sensing of battery voltage/SOC.</p> <p>Priority is given to solar energy; auxiliary power is used only when:</p> <ul style="list-style-type: none"> <li>Battery SOC drops below the pre-set threshold during the night.</li> <li>Insufficient sunlight to recharge the battery.</li> </ul> <p>Smooth &amp; fast transition (&lt;1 second) between solar and auxiliary power. No manual intervention required.</p> <p>Status indicators for solar, battery, auxiliary power, and fault conditions.</p>	
10	99	7.5.1.2.	Battery Mini Mast: 42 Ah, LiFePO4 High Mast: 100 Ah, LiFePO4		Mini Mast: 12.8V, 42 Ah, LiFePO4 High Mast: 12.8V, 100 Ah, LiFePO4 / 25.6 V, 50 Ah, LiFePO4	

11	100	7.5.1.2.	LED Efficacy: More than 165 lumens/watt @ 350mA	LED Efficacy: More than 200 lumens/watt @ 350mA																														
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13	101	7.5.1.1.3	<p>b) Minimum 25.6V, LiFePO4 Battery shall be used. Battery can be proposed to be placed inside the luminary casing or outside the luminaire with appropriate arrangement ensuring safety of the SSLS which should be waterproof IP 65. 1 Battery per luminaire.</p> <p>Nominal Voltage: 25.6 V Ingress Protection (IP): IP-65 for the battery box</p>	<p>b) Minimum 12.8 / 25.6 V, LiFePO4 Battery shall be used. Battery can be proposed to be placed inside the luminary casing or outside the luminaire with appropriate arrangement ensuring safety of the SSLS which should be waterproof IP 66. 1 Battery per luminaire.</p> <p>Nominal Voltage: 12.8V / 25.6 V Ingress Protection (IP): IP-66 for the battery box</p>																														
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15	98	7.5.1.1.4.	Electronic Efficiency: 85%	Electronic Efficiency: 90%																														
16	99	7.5.1.1.9.	<p><b>REMOTE MONITORING SYSTEM</b></p> <p>The Smart Solar Street Lighting System shall automatically connect directly to the public mobile network via 2G/3G/4G/5G or any latest technology networks for sending data to cloud server or RMS (Remote monitoring System) dashboard via RMS hardware. The remote monitoring system shall collect and send real-time performance data (including equipment failures) for each Smart SSLS (Solar Street Lighting System). RMS hardware shall be installed in every luminary and shall be capable to generate report for functionality, issues, healthiness, problem status etc. to the RMS Cloud Server with the help of GSM module attached &amp; Network Coverage which shall be updatable Over The Air (OTA) during the contract period. All the communication of RMS device with the controller circuit. RMS must follow Government of India /MNRE specifications as applicable. The executing agency shall ensure that the supplied RMS Device should be hackproof and leak proof to avoid the malicious activity or event. The communication nodes shall connect to the charge controller through suitable</p>																															

communication interface and automatically sense and monitor various parameters of the Solar Street Light.  
 Data of RMS needs to be integrated with OREDA Ltd. database management system (CRC-CRMS/ state data centre as advised by OREDA).  
 The RMS dashboard are as follows:

**1) Battery Parameters:**

- a) Battery Voltage (BV)
- b) Battery Current (BI)
- c) Battery Power (BP)

**2) Solar PV Parameters:**

- a) Solar PV Voltage (SV)
- b) Solar PV Current (SI)
- c) Solar PV Power (SP)

**3) Load Parameters:**

- a) Load Voltage (LV)
- b) Load Current (LI)
- c) Load Power (LP)
- d) Load ON/OFF condition

**4) System shutdown due to fault (even fault should be recorded)**

1. Illustrative Parameters to be displayed in the district level dashboard of the RMS software (GUI)/web user interface: -

Sr. No.	Parameters to be monitored
1.	Device ID-IMEI
1.	Serial no. of Light
2.	Battery Voltage
3.	Battery Current
4.	Battery Power
5.	Solar Module Voltage
6.	Solar Module Current
7.	Solar Module Power
8.	Luminary Voltage
9.	Luminary Current
10.	Luminary Power
11.	System Status (Green-ok/RED-not ok)
12.	Battery fault
13.	Module fault
14.	Luminary fault
15.	Battery Fault Date
16.	Module fault Date
17.	Luminary fault Date
18.	Luminary fault Time
19.	Luminary ON time
20.	Luminary OFF time
21.	Fault time date
22.	Fault rectification date
23.	Brightness Level
24.	Full Brightness Hour
25.	Half Brightness Hour
26.	Harvested energy
27.	Battery State of Charge (%)
28.	Battery Depth of Discharge (%)

*J. S. G.*

*S. P. W.*