

# Govt. of Jharkhand

Energy Department

Jharkhand Renewable Energy Development Agency (JREDA)

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## Corrigendum\_II

**Tender reference no.: 22/JREDA/SPV/SSLS(LED)/22-23**

In the light of suggestions received from the prospective bidders, JREDA has decided to make following amendments in the Tender Reference No: **22/JREDA/SPV/SSLS(LED)/22-23** for Rate Contract for Supply, Installation, Testing & Commissioning including 5 years Comprehensive Maintenance Contract (CMC) of Solar Street Lighting Systems (SSLSs) with 12W/20W/30W/40W LED light on Turnkey basis across the state of Jharkhand.

Section/ Annexure	Original Criteria	Read as / Amended/Addendum						
e-Procurement Notice	<table border="1"><tr><td data-bbox="367 846 1134 954">Last date &amp; time for receipt of online bids: <b>09.11.2022 (Wednesday) up to 05:00 P.M.</b></td></tr><tr><td data-bbox="367 958 1134 1097">Submission of original copies of Bid fee &amp; EMD (Offline): <b>09.11.2022 and 10.11.2022 up to 5.00 P.M.</b></td></tr><tr><td data-bbox="367 1101 1134 1175">Technical Bid Opening Date: <b>11.11.2022 (Friday) at 3.00 P.M.</b></td></tr></table>	Last date & time for receipt of online bids: <b>09.11.2022 (Wednesday) up to 05:00 P.M.</b>	Submission of original copies of Bid fee & EMD (Offline): <b>09.11.2022 and 10.11.2022 up to 5.00 P.M.</b>	Technical Bid Opening Date: <b>11.11.2022 (Friday) at 3.00 P.M.</b>	<table border="1"><tr><td data-bbox="1155 846 1921 954">Last date &amp; time for receipt of online bids: <b>23.11.2022 (Wednesday) up to 05:00 P.M.</b></td></tr><tr><td data-bbox="1155 958 1921 1097">Submission of original copies of Bid fee &amp; EMD (Offline): <b>23.11.2022 and 24.11.2022 up to 5.00 P.M.</b></td></tr><tr><td data-bbox="1155 1101 1921 1175">Technical Bid Opening Date: <b>25.11.2022 at 3.00 P.M.</b></td></tr></table>	Last date & time for receipt of online bids: <b>23.11.2022 (Wednesday) up to 05:00 P.M.</b>	Submission of original copies of Bid fee & EMD (Offline): <b>23.11.2022 and 24.11.2022 up to 5.00 P.M.</b>	Technical Bid Opening Date: <b>25.11.2022 at 3.00 P.M.</b>
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<p><b>Section-2 General Documents required</b></p>	<p><b>Point 1 (xiv)</b> Test Certificate for complete system for 12W/20W/30W/40W White LED based solar street Lighting system as applicable which shall be issued By MNRE approved Test Labs (Test report for supply lot)</p>	<p><b>Point 1 (xiv)</b> Test Certificate for complete system for 12W/20W/30W/40W White LED based solar street Lighting system as applicable which shall be issued By MNRE approved Test Labs (Test report for supply lot)</p> <p style="text-align: center;"><b>or</b></p> <p>Receipt/acknowledgment of the test report for the category under which bidder is Participating along with proof of the payment for test report. However qualified bidder needs to submit the valid test report of LED based solar street Light system from any test lab center approved by MNRE with in 30 days after award of Work Order or before PDI request whichever is earlier.</p>
<p><b>Section-3 I. General Requirement</b></p> <p><b>Technical requirement</b></p>	<p>15. Performance Certificates</p> <p><b>Point 1.</b> The bidder must be in possession of valid test report of LED based Solar street Light system (SSLs) (complete system) from any test Centre approved by MNRE/BIS. The latest Composite test certificate should confirm that LED based Solar Street Lighting Systems LED Luminary 12W/20W/30W/40W, Module 75Wp/100Wp/150Wp/200Wp &amp; Battery 12.8V 30Ah/40Ah/60Ah/80Ah as per JREDA specifications. The test certificate issued other than section 6 of Technical Specification of this NIB will lead to outright rejection of the BID.</p> <p><b>Note:</b> - Supply, Installation, Commissioning including CMC of Solar Street Lighting system along with Work completion Certificates from Central Government/ State Government Department/ Agency will be considered as Similar Completed Work.</p> <p><b>For General Bidders:</b> Experience of having successfully completed <b>similar works</b> in any SNA / Govt. Organization / PSU during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -</p>	<p>Deleted</p> <p><b>Point 1.</b> The bidder must be in possession of valid test report of LED based Solar Street Light system (SSLs) (complete system) from any test Centre approved by MNRE/BIS. The latest Composite test certificate should confirm that LED based Solar Street Lighting Systems LED Luminary 12W/20W/30W/40W, Module 75Wp/100Wp/150Wp/200Wp &amp; Battery 12.8V 30Ah/40Ah/60Ah/80Ah as per JREDA specifications. The test certificate issued other than section 6 of Technical Specification of this NIB will lead to outright rejection of the BID.</p> <p style="text-align: center;"><b>or</b></p> <p>Receipt/acknowledgment of the test report for the category under which bidder is Participating along with proof of the payment for test report. However qualified bidder needs to submit the valid test report of LED based solar street Light system from any test lab center approved by MNRE within 30 days after award of Work Order or before PDI request whichever is earlier.</p> <p><b>Note:</b> - Supply, Installation, Commissioning including CMC of <b>(Solar Street Lighting system, Solar stand-alone Home Lighting system and Solar High mast Lighting system)</b> along with Work completion Certificates from Central Government/ State Government Department/ Agency will be considered as Similar Completed Work.</p> <p><b>For General Bidders:</b> Experience of having successfully completed <b>similar works (Solar Street Lighting system, Solar stand-alone Home Lighting system and Solar High mast Lighting system)</b> in any SNA / Govt. Organization / PSU during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following</p>

<b>Section-3</b>		<p>I. Performance of agency will be evaluated based on recorded poor performance regarding not carrying out the Comprehensive Maintenance Contract (CMC) against the similar work (Solar Street Light, Solar Stand-alone Home Lighting System &amp; Solar High mast Lighting System) awarded by JREDA. Evaluation period for CMC will be for Agreement executed w.e.f. 01.04.2017 till date. Evaluation period of CMC for Performance evaluation will be as follows: -</p> <ul style="list-style-type: none"> <li>(i) For the work executed during FY 2017-18 will be for Three Years from date of installation (i.e. from 01.04.2017 to 31.03.2022).</li> <li>(ii) For the work executed during FY 2018-19 will be for Two Years from date of installation (i.e. from 01.04.2018 to 31.03.2022).</li> <li>(iii) For the work executed during FY 2019-20 will be for One Year from date of installation (i.e. from 01.04.2019 to 31.03.2022).</li> <li>(iv) For the work executed during FY 2020-21, performance evaluation will be done on the basis of successful installation &amp; commissioning till date.</li> </ul> <p>II. Failure to achieve any one of the above will lead to disqualification/rejection of Bid even if bidder is eligible for participation.</p> <p>III. Performance of Agency will be evaluated on similar work awarded by JREDA.</p>
<b>Section-4</b>	<p>n) Test Certificate for complete system for 12W/20W/30W/40W White LED based solar street Lighting system as applicable which shall be issued by MNRE/BIS approved Test Labs (Test report for supply lot).</p>	<p>n) Test Certificate for complete system for 12W/20W/30W/40W White LED based solar street Lighting system as applicable which shall be issued by <b>MNRE</b> approved Test Labs (Test report for supply lot).</p> <p style="text-align: center;"><b>or</b></p> <p>Receipt/acknowledgment of the submitted application for test report of applied categories along with prof of payment for test report.</p>
<b>Section-06</b>	<p>The luminaire must use high efficacy W-LED with minimum 150 lumens per watt and UV free for Model-IV Luminous Efficiency &gt; 130 Lumen/watt for model III &amp; IV</p>	<p><b>The luminaire must use high efficacy W-LED with minimum 135 lumens per watt and UV free for all model. Luminous Efficiency &gt; 125 Lumen/watt for all Model.</b></p>

<p>Section-06 RMS</p>	<p>III. Local Connectivity: Ethernet/Bluetooth/Wi-Fi connectivity to configure parameters, notifications, communication interval, set points etc. or to retrieve locally stored data.</p> <p>i. Command On Demand:</p> <ol style="list-style-type: none"> <li>1. Activate or deactivate Astronomical Mode</li> <li>2. Send Command to switch on or off Streetlight in case of environmental issues or patrolling or testing</li> </ol> <p>ii. Configuration Update:</p> <ol style="list-style-type: none"> <li>1. Update schedule for brightness level operation hours</li> </ol> <p><b>Data Storage:</b></p> <p>i. In case of unavailability of cellular network, RMS should store data locally and on availability of network it should push data to central Server.</p>	<p>Deleted</p> <p>Deleted</p>													
<p>Section-06 Common Technical Requirement</p>	<p>IV. No Load current consumption should be less than 20 mA.</p>	<p>IV. No Load current consumption should be less than <b>40 mA</b>.</p>													
<p>Section-06 Technical Standard Follow</p>	<table border="1" data-bbox="382 750 1108 987"> <tr> <td data-bbox="382 750 550 987">Power converters for use in photovoltaic power system</td> <td data-bbox="550 750 884 987">Safety of Power Converters for use in Photovoltaic Power Systems Part 1- General Requirements</td> <td data-bbox="884 750 1108 987">IS 16221 (Part 1)</td> </tr> <tr> <td></td> <td data-bbox="550 868 884 987">Safety of Power Converters for Use in Photovoltaic Power Systems Part 2- Particular Requirements for Inverters</td> <td data-bbox="884 841 1108 987">IS 16221 (Part 2)</td> </tr> </table> <p>IS 16270</p> <table border="1" data-bbox="371 1084 1129 1149"> <tr> <td data-bbox="371 1084 623 1149">Junction Boxes /Enclosures</td> <td data-bbox="623 1084 875 1149">General Requirements</td> <td data-bbox="875 1084 1129 1149">IEC 62208</td> </tr> </table> <table border="1" data-bbox="371 1166 1129 1239"> <tr> <td data-bbox="371 1166 825 1239">General Lighting - LEDs and LED modules – Terms and Definitions</td> <td data-bbox="825 1166 1129 1239">IS 16101</td> </tr> </table> <table border="1" data-bbox="371 1239 1129 1344"> <tr> <td data-bbox="371 1239 825 1344">Self-Ballasted LED Lamps for General Lighting Services</td> <td data-bbox="825 1239 1129 1344">IS 16102</td> </tr> </table>	Power converters for use in photovoltaic power system	Safety of Power Converters for use in Photovoltaic Power Systems Part 1- General Requirements	IS 16221 (Part 1)		Safety of Power Converters for Use in Photovoltaic Power Systems Part 2- Particular Requirements for Inverters	IS 16221 (Part 2)	Junction Boxes /Enclosures	General Requirements	IEC 62208	General Lighting - LEDs and LED modules – Terms and Definitions	IS 16101	Self-Ballasted LED Lamps for General Lighting Services	IS 16102	<p>Deleted</p> <p><b>IS 16046:2015, IS16047 equivalent LATEST BIS</b></p> <p>Deleted</p> <p>Deleted</p>
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Self-Ballasted LED Lamps for General Lighting Services	IS 16102														

## Addendum

### A. Detailed instructions & documents to be furnished for online bidding

1. Parameters to be Monitored in Remote Monitoring Systems.

"ASN_11":12345678,	Asset Serial Number
"IMEI":'123456789251325'	Device ID IMEI Number
"BV":240.00,	Battery Voltage
"BI":1.0,	Battery Current
"BP":1.5,	Battery Power
"SV":640.00,	Solar PV Voltage
"SI":1.0,	Solar PV Current
"SP":1.5,	Solar PV Power
"LV":640.00,	Load Voltage
"LI":1.0,	Load Current
"LP":1.5,	Load Power
"LST":1,	Load Status (ON/OFF) Condition
"BFT":1,	Battery Fault
"MFT":1,	Module Fault
"LFT":1,	Luminary Fault
"BFTDT": 200518,	Battery Fault Date
"MFTDT": 200518,	Module fault Date
"LFTDT": 200518,	Luminary fault Date
"LFTTM": 175800	Luminary fault Time
"LONTM": 175800	Luminary ON time
"LOFTM": 175800	Luminary OFF time
"FDT": 200518	Fault date
"FTM": 175800	Fault Time
"FRDT": 200518	Fault rectification date
"BRL": 20.5	Brightness Level
"FBRHR": 4.8	Full Brightness Hour
"HBRHR":6.9	Half Brightness Hour

<b>"KWHGEN":120.5</b>	Harvested energy
<b>"BTCST":80.5</b>	Battery State of Charge (%)
<b>"BTDDS":10.0</b>	Battery Depth of Discharge (%)
<b>"LAT":19.065623,</b>	Latitude from RMS
<b>"LONG":72.877769</b>	Longitude from RMS

- 1 Changes made as above in NIB may be read accordingly for similar changes in related technical specification.
- 2 The Corrigendum shall form the integral part of the tender documents.

**Sd/-  
Director,  
JREDA, Ranchi**