

CORRIGENDUM for NIB No. 11/JREDA/SPV/SSLS (LED)/2015-16

In the light of pre-bid meeting held on 27.10.2015 with prospective bidders, JREDA has decided to make following amendment in the NIB No. 11/JREDA/SPV/SSLS (LED)/2015-16.

Section/ Annexure	Original Criteria	Read as/ Amendment																																																
Section-1	<p>Page no. 4 of the NIB-List of Important dates & details of bids:</p> <table border="1" data-bbox="256 391 1083 740"> <tr> <td data-bbox="256 391 323 537">10</td> <td data-bbox="323 391 499 537">Period of downloading of bidding documents</td> <td data-bbox="499 391 877 448">Start date: 16.10.2015</td> <td data-bbox="877 391 1083 448">Time: 11.00 AM</td> </tr> <tr> <td></td> <td></td> <td data-bbox="499 448 877 505">End date: 03.10.2015</td> <td data-bbox="877 448 1083 505">Time: 05.00 PM</td> </tr> <tr> <td data-bbox="256 537 323 651">11</td> <td data-bbox="323 537 499 651">Bid online submission</td> <td data-bbox="499 537 877 594">Start date: 28.10.2015</td> <td data-bbox="877 537 1083 594">Time: 11.00 AM</td> </tr> <tr> <td></td> <td></td> <td data-bbox="499 594 877 651">End date: 03.11.2015</td> <td data-bbox="877 594 1083 651">Time: 05.00 PM</td> </tr> <tr> <td data-bbox="256 651 323 740">12</td> <td data-bbox="323 651 499 740">Technical bid opening date</td> <td colspan="2" data-bbox="499 651 877 740">Date. 05.11.2015</td> </tr> <tr> <td></td> <td></td> <td colspan="2" data-bbox="877 651 1083 740">Time: 03.30 PM</td> </tr> </table> <p>Note: The tender fee and Earnest Money Deposit (EMD) in original must be submitted between all working days from 03.11.2015 to 04.11.2015 by 5.00 PM. If tender fee and EMD are not received before mentioned date and time, tender shall not be accepted.</p>	10	Period of downloading of bidding documents	Start date: 16.10.2015	Time: 11.00 AM			End date: 03.10.2015	Time: 05.00 PM	11	Bid online submission	Start date: 28.10.2015	Time: 11.00 AM			End date: 03.11.2015	Time: 05.00 PM	12	Technical bid opening date	Date. 05.11.2015				Time: 03.30 PM		<table border="1" data-bbox="1123 391 1950 740"> <tr> <td data-bbox="1123 391 1190 537">10</td> <td data-bbox="1190 391 1367 537">Period of downloading of bidding documents</td> <td data-bbox="1367 391 1745 448">Start date: 16.10.2015</td> <td data-bbox="1745 391 1950 448">Time: 11.00 AM</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1367 448 1745 505">End date: 07.11.2015</td> <td data-bbox="1745 448 1950 505">Time: 05.00 PM</td> </tr> <tr> <td data-bbox="1123 537 1190 651">11</td> <td data-bbox="1190 537 1367 651">Bid online submission</td> <td data-bbox="1367 537 1745 594">Start date: 30.10.2015</td> <td data-bbox="1745 537 1950 594">Time: 11.00 AM</td> </tr> <tr> <td></td> <td></td> <td data-bbox="1367 594 1745 651">End date: 07.11.2015</td> <td data-bbox="1745 594 1950 651">Time: 05.00 PM</td> </tr> <tr> <td data-bbox="1123 651 1190 740">12</td> <td data-bbox="1190 651 1367 740">Technical bid opening date</td> <td colspan="2" data-bbox="1367 651 1745 740">Date. 10.11.2015</td> </tr> <tr> <td></td> <td></td> <td colspan="2" data-bbox="1745 651 1950 740">Time: 03.30 PM</td> </tr> </table> <p>Note: The tender fee and Earnest Money Deposit (EMD) in original must be submitted between all working days from 07.11.2015 & 9.11.2015 by 5.00 PM. If tender fee and EMD are not received before mentioned date and time, tender shall not be accepted.</p>	10	Period of downloading of bidding documents	Start date: 16.10.2015	Time: 11.00 AM			End date: 07.11.2015	Time: 05.00 PM	11	Bid online submission	Start date: 30.10.2015	Time: 11.00 AM			End date: 07.11.2015	Time: 05.00 PM	12	Technical bid opening date	Date. 10.11.2015				Time: 03.30 PM	
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Section-2	<p>Page no. 6 of the NIB-Instruction to Bidders, Clause No. 10 (B) 2 :</p> <p>Scanned Copies of the Annexure as per the enclosed formats should be uploaded after converting the same to .pdf format.</p> <ol style="list-style-type: none"> i. Annexure-1: Covering letter. ii. Annexure-2: Information about the bidding firm. iii. Annexure-3: Declaration by the bidder. iv. Annexure-4: Annual Turn over. v. Annexure-5: Net Worth certificate. vi. Annexure-6: Format for power of attorney for signing of bid. vii. Annexure-7: Proof of supply/execution of SPV Items/systems in any SNA/Govt. organization/PSU in the last seven years. Attach copy of orders & satisfactory completion certificate. viii. Annexure-8: Technical details & make of the Equipments to be supplied. ix. Annexure-9: Technical detail form. x. Annexure-10: Bank Guarantee Format for EMD 	<p>Scanned Copies of the Annexure as per the enclosed formats should be uploaded after converting the same to .pdf format.</p> <ol style="list-style-type: none"> i. Annexure-1: Covering letter. ii. Annexure-2: Information about the bidding firm. iii. Annexure-3: Declaration by the bidder. iv. Annexure-4: Annual Turn over. v. Annexure-5: Net Worth certificate. vi. Annexure-6: Format for power of attorney for signing of bid. vii. Annexure-7: Proof of supply/execution of SPV Items/systems in any SNA/Govt. organization/PSU in the last seven years. Attach copy of orders & satisfactory completion certificate. viii. Annexure-8: Technical details & make of the Equipments to be supplied. ix. Annexure-10: Bank Guarantee Format for EMD 																																																

<p>Section-4</p>	<p>Page no. 12 of the NIB-Notice Inviting Bid, Clause no. 4 (Experience Requirement):</p> <p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% of Bid capacity of Solar Street Lighting System to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 25% of the bid capacity.</p> <p>For MSME of Jharkhand: Bidder should have cumulative experience of executing contracts of supply of at least 10% of Bid capacity of Solar Street Lighting System to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 10% of the bid capacity.</p> <p>The copy of work order and corresponding performance certificate indicating its successful execution should be enclosed.</p>	<p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% of Bid capacity of Solar Lighting System (Street Light & Home Light) to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 25% of the bid capacity.</p> <p>For MSME of Jharkhand: Bidder should have cumulative experience of executing contracts of supply of at least 10% of Bid capacity of Solar Lighting System (Street Light & Home Light) to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 10% of the bid capacity.</p> <p>The copy of work order and corresponding performance certificate indicating its successful execution should be enclosed.</p>
<p>Section-4</p>	<p>Page no. 12 of the NIB-Instruction to Bidders (ITB), Clause no.(c) of 4.4.A – (c) Experience:</p> <p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% of Bid capacity of Solar Street Lighting System to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 25% of the bid capacity.</p> <p>For MSME of Jharkhand: Bidder should have cumulative experience of executing contracts of supply of at least 10% of Bid capacity of Solar Street Lighting System to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 10% of the bid capacity.</p> <p>The copy of order and corresponding performance certificate indicating its successful execution should be enclosed with the check list as at Annexure-7.</p>	<p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% of Bid capacity of Solar Lighting System (Street Light & Home Light) to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 25% of the bid capacity.</p> <p>For MSME of Jharkhand: Bidder should have cumulative experience of executing contracts of supply of at least 10% of Bid capacity of Solar Lighting System (Street Light & Home Light) to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender. The bidder submitting the bid for higher nos. of SSLs will require having cumulative work experience equal to 10% of the bid capacity.</p> <p>The copy of order and corresponding performance certificate indicating its successful execution should be enclosed with the check list as at Annexure-7.</p>

2. Section-6, Page No. 24, Broad Performance Specification under Technical Specification of the NIB is amended as:

PV Module	60 Wp under STC
Battery	Lithium Ion Battery of 11.1 V, 24Ah
Light Source	White Light Emitting Diode (W-LED) of 9 W
Light Out put	Minimum 15 Lux when measured at the periphery of 4 meter diameter from a height of 4 meter. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.
Mounting of light	Minimum 4 metre pole mounted
Electronics Efficiency	Minimum 85% total
Duty Cycle	Dusk to dawn
Autonomy	2 days or Minimum 24 operating hours per permissible discharge

3. Section-6, Page No. 24, PV Module (Technical Details) under Technical Specification of the NIB is amended as:

- (i) Indigenously manufactured PV module should be used.
- (ii) The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IECQ accredited Laboratory.
- (iii) The power output of the module(s) under STC should be a minimum of **60 Wp** at a `load voltage* of 16.4 ± 0.2 V.
- (iv) The open circuit voltage* of the PV modules under STC should be at least 21.0 Volts.
- (v) **The module efficiency should not be less than 14 %.**
- (vi) The terminal box on the module should have a provision for opening it for replacing the cable, if required.
- (vii) 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
- (viii) **A distinctive serial number starting with NSM will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.**

4. Section-6, Page No. 25, Battery (Technical Details) under Technical Specification of the NIB is amended as:

- i. Lithium Ion Rechargeable batteries should be only used.
- ii. Each cell should be of 3.7 V and minimum of 3000 mAh.
- iii. The nominal voltage of battery should be 11.1 V.
- iv. The max charge current should be 6 A.
- v. Charging should be done on regulated DC, CCCV of 12.6V **or equivalent.**
- vi. Self-discharge should be less than 2% per month.
- vii. The battery must have more than 1000 charge cycles at 70% DOD.
- viii. 75 % of the rated capacity of the battery should be between fully charged and load cut off conditions.
- x. Battery should conform to the latest BIS/ International standards.
- xi. The following are the details of the Battery Management System (BMS) for the Battery:
 - The BMS should be a 3S PCM Protection.
 - Protections like Over-voltage, Under-voltage, Short-circuit, Reverse polarity and Over temperature.
 - The BMS should be capable of cell balancing preferably non-dissipative cell balancing.
 - The BMS should be able to monitor the cells in the battery.
 - The BMS should be capable of providing all the relevant data of the battery via GPRS to a central server which is accessed by a website using authorized User Name and Password.

- The BMS should have two connectors one a 2 pin CPU Connector for Power and another 3 Pin JST connector for SMBUS.
- All protections need to be resettled, not compromise.

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

Sd/-
Director
JREDA, Ranchi