



JHARKHAND RENEWABLE ENERGY DEVELOPMENT AGENCY (JREDA)

CORRIGENDUM

In the light of pre-bid meeting held on 29.09.2014 at 3.00 P.M. with prospective bidders, JREDA has decided to make following amendment in the NIB No: 06/JREDA/SPV/SCHOOL/SSL (LED)/2014-15.

Sl. No.	Original Criteria	Read as/ Amendment
1	<p>Page no. 4 of the NIB, Point no. 5- Experience Requirement of Part-1-The Technical conditions:</p> <p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender for minimum lot size of 3750 nos. of LED based Solar Study Lamps. The bidder submitting the bid for higher nos. of SLs 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% to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender for minimum lot size of 3750 Nos. of LED based Solar Study Lamps. The bidder submitting the bid for higher nos. of SLs will require having cumulative work experience equal to 10% of the bid capacity.</p> <p>The copy of order and certificate indicating its successful execution should be enclosed with the check list as at Annexure-2.</p>	<p>Page no. 4 of the NIB, Point no. 5- Experience Requirement of Part-1-The Technical conditions:</p> <p>For General Bidder: Bidder should have cumulative experience of executing contracts of supply of at least 25% to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender for minimum lot size of 3750 nos. of LED based Solar Study Lamps/<u>LED based Solar Lanterns/ LED based Solar Systems.</u> 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% to any SNA / Govt. Organization / PSU in the last seven years ending up to date of advertisement of this tender for minimum lot size of 3750 Nos. of LED based Solar Study Lamps/<u>LED based Solar Lanterns/ LED based Solar Systems.</u> 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 <u>Work Order and Corresponding Certificate indicating its successful execution</u> should be enclosed with the check list as at Annexure-2.</p>

<p>2</p>	<p>Page no. 4 of the NIB, Point no. 7 of Part-1-The Technical conditions:</p> <p>The bidder must be in possession of valid test report from any of the following test centers:-</p> <ul style="list-style-type: none"> • Solar Energy Centre Gwalpahari – Gurgaon, Haryana (SEC) • Electronics Regional Test Laboratory (East)) Bidhan Nagar, Kolkata (ERTL) • Central Power Research Institute, Bangalore (CPRI) <p>The latest test certificate should confirm that Solar Lamps are as per MNRE specifications which are available on MNRE website. The test certificate issued before 1st April 2009 will lead to outright rejection of the BID</p>	<p>Page no. 4 of the NIB, Point no. 7 of Part-1-The Technical conditions:</p> <p>i. The bidder must be in possession of valid test report from any of the following test centers:-</p> <ul style="list-style-type: none"> • Solar Energy Centre Gwalpahari – Gurgaon, Haryana (SEC) • Electronics Regional Test Laboratory (East)) Bidhan Nagar, Kolkata (ERTL) • Central Power Research Institute, Bangalore (CPRI) <p style="text-align: center;">or</p> <p>ii. <u>Any other test centres approved by MNRE.</u></p> <p>The latest test certificate should confirm that LED Solar Lamps are as per MNRE specifications which are available on MNRE website <u>or The latest test certificate should confirm that LED Solar Study Lamps/or equivalent model as per the Technical Specifications of the NIB.</u> The test certificate issued before 1st April 2009 will lead to outright rejection of the BID.</p>																																										
<p>3.</p>	<p>Page no. 15 of the NIB, Broad Performance Parameters of Technical Specifications:</p> <table border="1" data-bbox="256 1182 849 1885"> <tr> <td>1. Mounting of light</td> <td>Top or base or side mounted</td> </tr> <tr> <td>2. PV Module</td> <td>2 WP under STC</td> </tr> <tr> <td>3. Wattage of LED</td> <td>1 W</td> </tr> <tr> <td>4. Battery</td> <td>Lithium Ion with suitable Ah capacity to meet desired working hours.</td> </tr> <tr> <td>5. DoD</td> <td>90%</td> </tr> <tr> <td>6. Electronics</td> <td>Min 85% total efficiency</td> </tr> <tr> <td>7. Average duty cycle</td> <td>4 hours a day</td> </tr> <tr> <td>8. Light Uniformity</td> <td>The light on the edges of the entire 140 degree spread should not reduce more than 30% of the light as specified above.</td> </tr> <tr> <td>9. Autonomy</td> <td>Minimum of 2 days (Minimum 8 operating hours per Permissible discharge).</td> </tr> <tr> <td>10. Illumination levels</td> <td>Two levels of illumination with 100% and 50% of the illumination levels shown in the table above.</td> </tr> </table>	1. Mounting of light	Top or base or side mounted	2. PV Module	2 WP under STC	3. Wattage of LED	1 W	4. Battery	Lithium Ion with suitable Ah capacity to meet desired working hours.	5. DoD	90%	6. Electronics	Min 85% total efficiency	7. Average duty cycle	4 hours a day	8. Light Uniformity	The light on the edges of the entire 140 degree spread should not reduce more than 30% of the light as specified above.	9. Autonomy	Minimum of 2 days (Minimum 8 operating hours per Permissible discharge).	10. Illumination levels	Two levels of illumination with 100% and 50% of the illumination levels shown in the table above.	<p>Page no. 15 of the NIB, Broad Performance Parameters of Technical Specifications:</p> <table border="1" data-bbox="881 1182 1490 1864"> <tr> <td>1. Mounting of light</td> <td>Top or base or side mounted</td> </tr> <tr> <td>2. PV Module</td> <td><u>≥ 2 WP under STC</u></td> </tr> <tr> <td>3. Wattage of LED</td> <td><u>≥ 1 W</u></td> </tr> <tr> <td>4. Battery</td> <td><u>Lithium Ion with not less than 2.2 Ah capacity and working voltage up to 6V to meet desired working hours.</u></td> </tr> <tr> <td>5. DoD</td> <td>90%</td> </tr> <tr> <td>6. Electronics</td> <td>Min 85% total efficiency</td> </tr> <tr> <td>7. Average duty cycle</td> <td>4 hours a day</td> </tr> <tr> <td>8. Light Uniformity</td> <td>The light on the edges of the entire 140 degree spread should not reduce more than 30% of the light as specified above.</td> </tr> <tr> <td>9. Autonomy</td> <td>Minimum of 2 days (Minimum 8 operating hours per Permissible discharge).</td> </tr> <tr> <td>10. Illumination levels</td> <td>Two levels of illumination with 100% and 50% of the illumination levels shown in the table above.</td> </tr> <tr> <td>11. Make of LED</td> <td><u>Nichia/Osram/Philips Lumileds / Cree/ Samsung/Seoul/Everlite</u></td> </tr> </table>	1. Mounting of light	Top or base or side mounted	2. PV Module	<u>≥ 2 WP under STC</u>	3. Wattage of LED	<u>≥ 1 W</u>	4. Battery	<u>Lithium Ion with not less than 2.2 Ah capacity and working voltage up to 6V to meet desired working hours.</u>	5. DoD	90%	6. Electronics	Min 85% total efficiency	7. Average duty cycle	4 hours a day	8. Light Uniformity	The light on the edges of the entire 140 degree spread should not reduce more than 30% of the light as specified above.	9. Autonomy	Minimum of 2 days (Minimum 8 operating hours per Permissible discharge).	10. Illumination levels	Two levels of illumination with 100% and 50% of the illumination levels shown in the table above.	11. Make of LED	<u>Nichia/Osram/Philips Lumileds / Cree/ Samsung/Seoul/Everlite</u>
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4.	<p>Page no. 16 of the NIB, Light Source of Technical Specifications:</p> <ul style="list-style-type: none"> • The light source will be of white LED type. Single LED or multiple LEDs can be used. • The colour temperature of white LEDs used in the system should be in the range of 5500o K – 6500o K. • Use of LEDs which emit ultraviolet light is not permitted. • The light output from the white LED light source should be constant though out the duty cycle. • In case of power LEDs the LEDs light should be housed in an assembly with metal PCB with appropriate heat sink. • In case of Low wattage LEDs FR PCB should be used. • The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of white LEDs used in the lighting system must be furnished. In absence of this data the LED based Solar Study Lamp will not be qualified. 	<p>Page no. 16 of the NIB, Light Source of Technical Specifications:</p> <ul style="list-style-type: none"> • The light source will be of white LED type. Single LED or multiple LEDs can be used. • <u>Only Nichia/Osram/Philips Lumileds/ Cree/ Samsung/Seoul/Everlite Make LED's shall be used for the light.</u> • The colour temperature of white LEDs used in the system should be in the range of 5500o K – 6500o K. • Use of LEDs which emit ultraviolet light is not permitted. • The light output from the white LED light source should be constant though out the duty cycle. • In case of power LEDs the LEDs light should be housed in an assembly with metal PCB with appropriate heat sink. • In case of Low wattage LEDs FR PCB should be used. • The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of white LEDs used in the lighting system must be furnished. In absence of this data the LED based Solar Study Lamp will not be qualified.
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2. Changes made as above in technical specification may be read accordingly for similar changes in related technical specification.
3. The corrigendum shall form the integral part of the tender documents.
4. The above Amendment shall be uploaded on JREDA website. The bidders shall download along with the original NIB & shall submit it duly signed with bid document.

Sd/-
Director
JREDA, Ranchi