

CORRIGENDUM

In the light of pre-bid meeting held on 15.03.2016 at 3.00 P.M. with prospective bidders, JREDA has decided to make following amendment in the NIB No. **22/JREDA/SPV/SWPS-DC/SVA/2015-16**:

Section/ Annexure	Original Criteria	Read as/ Amendment
Section-3	<p>Page no. 08 of the NIB, Point No. 6 of the Technical Conditions of Notice Inviting Bid: The bidder must be in possession of valid test report of solar water pumping system from any test center approved by MNRE. The latest test certificate should confirm that Solar Pumps are as per specifications of NIB. The test certificate issued before 1st April 2013 will lead to outright rejection of the BID. All the product specifications should be as per JNNSM/MNRE guidelines applicable for 2015-16. However, the tenderers, who do not have MNRE approved test certificates may participate in this tender by giving an undertaking on Non-Judicial stamp paper that they shall have submit the required test certificate at the time of submission of bill for payment of supply of material. Bidder who accept the condition by giving undertaking but fails to supply the material of pump set with in scheduled period, JREDA shall cancel the said work order, forfeited the Security Deposit and may award or distribute the work among the next valid bidder/s.</p>	<p>Page no. 08 of the NIB, Point No. 6 of the Technical Conditions of Notice Inviting Bid: The bidder must be in possession of valid test report of solar water pumping system from any test center approved by MNRE and <u>shall submit the same along with the bid document.</u> The latest test certificate should confirm that Solar Pumps are as per specifications of NIB. The test certificate issued before 1st April 2013 will lead to outright rejection of the BID. All the product specifications should be as per JNNSM/MNRE guidelines applicable for 2015-16.</p>
Section-6	<p>Page no. 26 of the NIB, PV Array of Introduction of the Technical Specifications</p> <p>PV Array:</p> <p style="padding-left: 40px;">Capacity of PV array should be in the range of 600-900 Wp.</p> <p>II. PERFORMANCE SPECIFICATIONS AND REQUIREMENTS</p>	<p>Page no. 26 of the NIB, PV Array of Introduction of the Technical Specifications</p> <p>PV Array:</p> <p style="padding-left: 40px;">Capacity of PV array should be of 900 Wp.</p> <p>II. PERFORMANCE SPECIFICATIONS AND REQUIREMENTS</p>

	<p>Solar PV Water Pumps with PV module capacity of 600-900 Wp may be installed on a suitable bore-well / open well / Water Reservoir / Water stream etc.</p>	<p>Solar PV Water Pumps with PV module capacity of 900 Wp may be installed on a suitable bore-well / open well / Water Reservoir / Water stream etc.</p>
<p>Section-6</p>	<p>Page no. 27 of the NIB, Point no. III-PV Array of the Technical Specifications</p> <p>PV ARRAY The SPV water pumping system should be operated with a PV array capacity in the range of 600-900 Watts peak, measured under Standard Test Conditions (STC). Sufficient number of modules in series and parallel could be used to obtain the required PV array power output. The power output of individual PV modules used in the PV array, under STC, should be a minimum of 125 Watts peak, with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.</p> <p>MOTOR PUMP-SET</p> <p><input type="checkbox"/> The SPV water pumping systems may use any of the following types of motor pump sets:</p> <ul style="list-style-type: none"> a.Surface mounted motor pump-set b.Submersible motor pump set c.Floating motor pump set d.Any other type of motor pump set after approval from Test Centers of the Ministry. <p><input type="checkbox"/> The "Motor Pump Set" should have a capacity of 0.5 hp D.C and should have the following features:</p> <ul style="list-style-type: none"> ▪ The mono block DC centrifugal motor pump set with the impeller mounted directly on the motor shaft and with appropriate mechanical seals which ensures zero leakage. ▪ The motor of the capacity ranging from 0.2 hp to 1hp should be DC type. The suction and delivery head will depend on the site specific condition of the field. ▪ Submersible pumps could also be used according to the dynamic head of the site at which the pump is to be used. 	<p>Page no. 27 of the NIB, Point no. III-PV Array of the Technical Specifications</p> <p>PV ARRAY The SPV water pumping system should be operated with a PV array capacity of 900 Watts peak, measured under Standard Test Conditions (STC). Sufficient number of modules in series and parallel could be used to obtain the required PV array power output. The power output of individual PV modules used in the PV array, under STC, should be a minimum of 125 Watts peak, with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.</p> <p>MOTOR PUMP-SET</p> <p><input type="checkbox"/> The SPV water pumping systems may use any of the following types of motor pump sets:</p> <ul style="list-style-type: none"> a.Surface mounted motor pump-set b.Submersible motor pump set c.Floating motor pump set d.Any other type of motor pump set after approval from Test Centers of the Ministry. <p><input type="checkbox"/> The "Motor Pump Set" should have a capacity <u>not less than 0.5 hp D.C and</u> should have the following features:</p> <ul style="list-style-type: none"> ▪ The mono block DC centrifugal motor pump set with the impeller mounted directly on the motor shaft and with appropriate mechanical seals which ensures zero leakage. ▪ The motor of the capacity ranging from 0.2 hp to 1hp should be DC type. The suction and delivery head will depend on the site specific condition of the field. ▪ Submersible pumps could also be used according to the dynamic head of the site at which the pump is to be used.

	<input type="checkbox"/> It is recommended that all parts of the pump and the motor of the submersible pumps should be made of stainless steel.	<input type="checkbox"/> All parts of the pump and the motor of the submersible pumps should be made of stainless steel.
Section-6	<p>Page no. 29 of the NIB, Point no. X-Notes of the Technical Specifications</p> <p>NOTES</p> <ul style="list-style-type: none"> ▪ Wherever the “Water table” or the level of water in the reservoir or the water source (e.g. Diggie) from which the water is to be pumped, is within 10 metres depth, ‘Surface Motor Pump sets” should be preferred. ▪ The type of pump set used must match the total dynamic head requirement of the site (i.e. the location at which it is installed). Moreover, it should be appropriately tested and certified by the authorized test centres of the Ministry to meet the performance and water discharge norms specified in section II above. ▪ There should not be any compulsion to use only one or the other type of Motor-pump set. The beneficiary may select an appropriate Model (i. e. Capacity of PV Array and Type of Motor Pump Set) as per site requirement. 	<p>Page no. 29 of the NIB, Point no. X-Notes of the Technical Specifications</p> <p>NOTES</p> <ul style="list-style-type: none"> ▪ Wherever the “Water table” or the level of water in the reservoir or the water source (e.g. Diggie) from which the water is to be pumped, is within 10 metres depth, ‘Surface Motor Pump sets” should be preferred. ▪ The type of pump set used must match the total dynamic head requirement of the site (i.e. the location at which it is installed). Moreover, it should be appropriately tested and certified by the authorized test centres of the Ministry to meet the performance and water discharge norms specified in section II above. ▪ There should not be any compulsion to use only one or the other type of Motor-pump set. The beneficiary may select an appropriate Model (i. e. Capacity of PV Array and Type of Motor Pump Set) as per site requirement. ▪ Scope of work includes supply & fixing of the suction/ delivery pipe (GI/HDPE), electric cables, floating assembly, civil work and other fittings required to install the Motor Pump set and supply the water to the existing tank. ▪ After commissioning of the Solar Water Pumping System, the agency shall hand over the same in working condition to the Headmaster/In-charge of the School. ▪ It shall be the responsibility of Deoghar District Administration/School/DWS&D to provide the bore well in good condition.

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.

Sd/-
Director
JREDA, Ranchi