

CORRIGENDUM NOTICE UNDER THE TENDER NO. 97761 DATED 23-05-2022

In continuation to the tender no. 97761 Dated 23-05-2022 for survey, design, supply, installation, and commissioning of Solar Photovoltaic Drinking Water pumps (Solar Drinking Water pumps) with five years CMC, unconditional on-site warranty for anywhere in the State of Chhattisgarh from registered System Integrators of CREDA for SPV with 5 years track record in Solar Drinking Water Pumps. Certain amendments have been made to the terms & conditions of the bid which are as follows:-

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
1.	Bid Submission	Page no. 1,5 (tender schedule); Checklist item no. 7, page no.6 Section - 1 Clause 5d and 18	<p>(Applicable in references to submission of Hard Copies of technical bid in the tender)</p> <p>d. Additionally, the bidders shall also have to submit all the documents, in hard copy, as required in this bid as per the checklist on page 06 on 13-06-2022 by 05:00 P.M at Head Office, CREDA. Bidders shall have to submit only the documents as per the checklist in the following envelopes</p> <ul style="list-style-type: none"> - Envelope A – Pre Qualification Documents (original DD should be submitted in this envelope) - Envelope B – Technical and Financial Qualification Documents. <p>Note: The documents submitted in hard copy</p>	<p>d. Additionally, the bidders shall also have to produce all the documents, in original hard copy, as required in this bid as per the checklist on page 06 during the opening of technical bid.</p> <p>Note: The documents produced in original hard copy (offline) before CREDA officials must match with those submitted in the Chhattisgarh e-Procurement portal. Any document other than the uploaded document shall not be considered. CREDA's tender committee will only evaluate the documents submitted on Chhattisgarh e-Procurement portal. In no case the hard copy of documents shall be evaluated, they are only for matching the authenticity of the documents uploaded in the e-bidding portal.</p>

			(offline) to CREDA Head Office must match with those submitted in the Chhattisgarh e-Procurement portal. Any document other than the uploaded document shall not be considered. CREDA's tender committee will only evaluate the documents submitted on Chhattisgarh e-Procurement portal. In no case the hard copy of documents shall be evaluated, they are only for record keeping by CREDA.	
2	Test Reports	Clause 1A, page no. 09 Clause 18(a), page no. 14	<p>TEST REPORTS OF SPV PUMPS Bidder must have original and valid test report(s) of SPV pump of 1HP solar DC pumping system with 900Wp,1200Wp (min.) solar modules& 2 HP solar DC pumping system with 1800 Wp (min.) solar modules separately in their names. Test report(s) is mandatory for eligibility to participate in the tender. Bidder will have to provide original copy of such test reports of their SPV pump(s) from the solar energy test centre or any other test centre accredited by NABL.</p> <p>Bidder shall have to produce original test certificate(s) (in addition to the documents submitted in hard copy as per Clause 5(d))for the bidding pumps at the time of opening of technical bid.</p>	<p>TEST REPORTS OF SPV PUMPS Bidder must have original and valid test report(s) of SPV pump of 1HP solar DC pumping system with 900Wp,1200Wp (min.) solar modules& 2 HP solar DC pumping system with 1800 Wp (min.) solar modules separately in their names. Test report(s) is mandatory for eligibility to participate in the tender. Bidder will have to provide copy of test reports and/or acknowledgement copy of such test reports of their SPV pump(s) from the solar energy test centre or any other test centre accredited by NABL.</p> <p>Bidder shall have to submit original test certificate/reports for the bidding pumps at the time of agreement.</p> <p>In case, during the execution of the work, if the bidder/SI wishes to change the make of major components (with the same specifications in this bid) such as Solar Modules and/or Pump (and/or Pump controller), then such bidder/SI shall have to submit the test report of the entire Solar Drinking Water Pumping System with this newly proposed configuration to CREDA and only after due approval from CREDA can the bidder install such system in the field. CREDA reserves the right to allow or disapprove such new configurations as and when they are brought to CREDA's notice by the bidders/SIs.</p>

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
3	JV Eligibility Criteria	Page no. 10/ clause 2a	a) In case of JV/ Consortium, one of the partners shall act as Lead Member. Both the members of the JV/Consortium should mandatorily be from the solar business as in the field of solar pumping system.	In case of JV/ consortium, one of the partners shall act as Lead member. Both the members of the JV/Consortium shall mandatorily have installation experience of Solar PV Pumping System such as Irrigation Pumps and Drinking Water Pumps. Both the members of the JV/Consortium shall have valid registration in CREDA as SI at the time of submission of the bid.
		Section-1/ pg-10/ Clause-2(b)	b) Both the partners should individually fulfil criteria of 1D, 1E, 1F and 1G.	b) Both the partners should individually fulfil criteria of 1D, 1F and 1G.
		Section-1/ pg-10/ Clause-2(c)	c) Both the partners should jointly fulfil eligibility criteria as per clause 1A, 1B and 1C.	c) Both the partners should jointly fulfil eligibility criteria as per clause 1A, 1B, 1C and 1E. In case of minimum experience as per clause 1B, incorporation of the Lead Member in the JV/Consortium shall determine the minimum experience required for the JV/Consortium to qualify.

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
4.	Extension of Display of Samples and Allowing MAF during sample display event	NIT/Pg. no - 01/Clause - 1; Section 1/Clause 16	<ul style="list-style-type: none"> • Demo of Sample Systems – 03/06/2022 2:00 PM to 05:00 PM At Ground near CREDA H.O., Raipur <p>Bidders will have to provide samples individually of their Module, Pump, Controller, Tanks, assembled Structures, Special Chamber, LA & Chemical Earthing Kit, B.O.S. and etc. for the bidding configuration of SPV Drinking Water Pump.</p>	<ul style="list-style-type: none"> • Demo of Sample Systems – 10/06/2022 2:00 PM to 05:00 PM At Ground near CREDA H.O., Raipur <p>Bidders will have to provide samples individually or those sourced from registered vendors of CREDA for Module, Pump, Controller, Tanks, assembled Structures, Special Chamber, LA & Chemical Earthing Kit, B.O.S. and etc. for the bidding configuration of SPV Drinking Water Pump.</p> <p>Manufacturer Authorisation Form (MAF) on Manufacturer's letter head shall have to be submitted at the time of sample display as well as in the Technical Bid.</p>
5.	CREDA RESERVES THE RIGHTS	SECTION-1/ pg-13/ clause-13c	c) To increase or decrease of aggregate quantities up to 100% as per discretion or circumstances.	c) To increase or decrease of aggregate quantities as per discretion or circumstances.

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
6.	Removed insurance and Clarification on Delivery Pipes	SECTION-1/ pg-14/ Clause - 20a.	<p>20. PRICE OF SUPPLY OF SOLAR DRINKING WATER PUMPING SYSTEMS WITH INSTALLATION, COMMISSIONING AND TESTING OF SOLAR PUMP SET -</p> <p>a. The Price quoted for all models of each category solar Drinking Water pumping system with installation, commissioning and testing, of SPV Modules, DC Submersible pumps, Structure, Tanks, HDPE Pipe, Suction Pipe, Rope wire, Clamp, Special Chamber, Bore cap, Lightning arrester, 02-numbers Earthing, Civil works and all other required BOS like Cables, Suitable Nut Bolts etc. with 5 years system Warrantee, insurance and CMC. The GST shall be paid extra as per prevailing rate (the GST regulation notification no. 24/2018- Central tax (Rate) dated 31-12-2018). The prices shall be filled exactly as per e-Price Bid enclosed.</p>	<p>20. PRICE OF SUPPLY OF SOLAR DRINKING WATER PUMPING SYSTEMS WITH INSTALLATION, COMMISSIONING AND TESTING OF SOLAR PUMP SET -</p> <p>a. The Price quoted for all models of each category solar Drinking Water pumping system with installation, commissioning and testing, of SPV Modules, DC Submersible pumps, Structure, Tanks, HDPE Pipe (under bore), GI Pipe (above bore), Rope wire, Clamp, Special Chamber, Bore cap, Lightning arrester, 02-numbers Earthing, Civil works and all other required BOS like Cables, Suitable Nut Bolts etc. with 5 years system Warrantee and CMC. The GST shall be paid extra as per prevailing rate (the GST regulation notification no. 24/2018- Central tax (Rate) dated 31-12-2018). The prices shall be filled exactly as per e-Price Bid enclosed.</p> <p>(“Insurance” removed)</p>
7.	GI Sign Board	Section 3/ Page No 25/ Clause 2.25	A separate sign board of GI sheet of thickness 1.2 mm of size 4 feet x 6 feet must be affixed with proper clamping in the structure railing. The matter to be printed on the sign board shall have to be approved by CREDA HO before installation	A separate sign board of GI sheet or Aluminium Sheet of thickness 1.2 mm of size 4 feet x 6 feet must be affixed with proper clamping in the structure railing. The matter to be printed on the sign board shall have to be approved by CREDA HO before installation

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
8.	Manufacturer Authorisation	Section 2/ Page No 19/ Clause 12C	c. Manufacturer Authorization Form (MAF) along with manufacturer's affidavit from manufacturer of Solar Pump /Module /Pump controller/Tank/Structure which the bidder is intending to use in the installation shall be submitted at the time of sample submission and the same shall be submitted with technical bid also.	c. Manufacturer Authorization Form (MAF) on Manufacturer's Letter head of Solar Pump /Module /Pump controller/ Tank/ Structure which the bidder is intending to use in the installation shall be submitted at the time of sample submission and the same shall be submitted with technical bid also.
9.	Terms of Payment	Page No.20/ Clause - 14	<p>A. 10% of the cost of the work order (excluding GST) as "Material and Machinery Mobilisation Advance" after sanction of work order.</p> <p>B. 40% of the cost of the work order (excluding GST) after completion of civil/foundation work and structure erection.</p> <p>C. 45% of the cost of the work order (including GST) after successful commissioning of the SPV pump at the site and submission of JCC. The release of this instalment is subject to mandatory submission of original and valid 'lot wise' water tank test report and water tank manufacturing license/certificate with ISI certification.</p> <p>D. Balance 5% of the eligible payment excluding GST shall be retained by CREDA as Security Deposit for a period of 60 months from date of commissioning.</p>	<p>A. 10% of the cost of the work order (excluding GST) after field survey, digging and civil work of foundation.</p> <p>B. 50% of the cost of the work order (excluding GST) after structure erection.</p> <p>C. 35% of the cost of the work order (including GST) after successful commissioning of the SPV pump at the site and submission of JCC in hard copy. The release of this instalment is subject to mandatory submission of original and valid 'lot wise' water tank test report and water tank manufacturing license/certificate with ISI certification.</p> <p>D. Balance 5% of the eligible payment excluding GST shall be retained by CREDA as Security Deposit for a period of 60 months from date of commissioning.</p>

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
10.	Solar Module Wattage	SECTION- 4/Clause - 3C.1/ page no.27	The power output of individual PV modules used in the PV array, under STC, should be a minimum of 300 Watts peak, 72 full cell, with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.	The power output of individual PV modules used in the PV array, under STC, should be a minimum of 300 Watts peak with 72 full cell , with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.
11.	Pump Shut-Off head	Page no. 28 Clause 3D, Sub-clause 3 (c)	3c) The pump should be BLDC and all parts of pump should be made of Stainless Steel. It should be suitable for bore well of minimum diameter of 4 inches. The pump should be operable for a voltage range of 30V – 300V. The dynamic head of the pump should be 90 metres and the maximum shut off head should be 120 metres. The minimum discharge is indicated in Annexure – VI	3c) The pump should be BLDC and all parts of pump should be made of Stainless Steel. It should be suitable for bore well of minimum diameter of 4 inches. The pump should be operable for a voltage range of 30V – 300V. The dynamic head of the pump should be 90 metres and the minimum shut off head should be 120 metres. The minimum discharge is indicated in Annexure – VI
12.	Fasteners	Page no. 28 Clause 3E sub-clause – 1	The Structure as per drawings attached in Annexure – VII, should be installed along with the hot dipped galvanized (minimum 80 microns) structure at site. The structure should be capable of withstanding a minimum wind load of 150 km per hour, after grouting and installation. MTMS should be sturdy & designed to assist SPV Modules to render maximum discharge. The hardware (fasteners) used for installation of SPV Modules & structure should be of suitable Stainless Steel (SS 304). Structure should be grouted on pedestals & Foundation as per drawings. Each module should be fastener by four theft proof nut bolt.	The Structure as per drawings attached in Annexure – VII, shall be installed along with the hot dipped galvanized (minimum 80 microns) structure at site. The structure should be capable of withstanding a minimum wind load of 150 km per hour, after grouting and installation. MTMS should be sturdy & designed to assist SPV Modules to render maximum discharge. The hardware (fasteners) used for installation of SPV Modules should be of suitable Stainless Steel (SS 304) grade and that for structure shall be of suitable Stainless Steel (SS 304) grade or shall be GI. Structure should be grouted on pedestals & Foundation as per drawings. Each module should be fastener by four theft proof nut bolt.

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
13.	Reference to MNRE specification	Page no. 30-31 Clause 3M	<p>Under the “Average Daily Solar Radiation” condition of 7.15 KWh / sq.m. on the surface of PV array (i.e. coplanar with the PV Modules), the minimum water output from a Solar PV Water Pumping System at different “Total Dynamic Heads” should be as specified below –:</p> <p>REFERENCE:-MNRE MICRO PUMPING GUIDELINES (2016-17),JNNISM SOLAR PHOTOVOLTAIC WATER PUMPING GUIDELINES FOR DRINKING WATER APPLICATION (2014-15) FOR b&c</p>	<p>Under the “Average Daily Solar Radiation” condition of 7.15 KWh / sq.m. on the surface of PV array (i.e. coplanar with the PV Modules), the minimum water output from a Solar PV Water Pumping System at different “Total Dynamic Heads” should be as specified below –</p> <p>REFERENCE: -Annexure-I of Circular No. F. No. 41/3/2018-SPV Division dated 17.7.2019 SPECIFICATION FOR SOLAR PHOTOVOLTAIC WATER PUMPING SYSTEMS</p>
14.	RMS and Data Logger	Page no. 24 Clause 2.20	2.20. Surge Protection Device (SPD) is mandatory.	2.20. RMS, Data Logger and Surge Protection Device (SPD) is mandatory.
		Page No. 26 Clause 3B (ii)	<p>ii) Live status must indicate whether controller is ON/OFF.</p> <p>The parameter i.e. the water output, water flow rate, in fault condition, array input voltage/current, power and motor frequency should at logged at an interval of 10 minutes</p>	<p>ii) Provision for remote monitoring (RMS/Data Logger and SPD) for the pumps is mandatory. It must be assigned with a unique serial number and its live status must be observed remotely on online portal through login credentials.</p> <ul style="list-style-type: none"> • Live status must indicate whether controller is ON/OFF. • The parameter i.e. the water output, water flow rate, in fault condition, array input voltage/current, power and motor frequency should at logged at an interval of 10 minutes • RMS must have a back up to store the data locally.

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
15.	Consortium Agreement	Page no. 38 Annexure II (Insurance removed)	This agreement is for the purposes of submission of bid as per the TENDER DOCUMENTNO.97761/CREDA/JJM-2/2022-23 DATE-23-05-2022 and entering into a contract in case of award forthe work of Survey, Design, Supply, Installation & Commissioning of Solar Photo Voltaic IrrigationPumps of various capacities with five years onsite warrantee, CMC & insurance anywhere in the stateof Chhattisgarh for JAL JEEVAN MISSION YOJNA of CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY (CREDA)	This agreement is for the purposes of submission of bid as per the TENDER DOCUMENTNO.97761/CREDA/JJM-2/2022-23 DATE-23-05-2022 and entering into a contract in case of award forthe work of Survey, Design, Supply, Installation & Commissioning of Solar Photo Voltaic IrrigationPumps of various capacities with five years onsite warrantee and CMC anywhere in the stateof Chhattisgarh for JAL JEEVAN MISSION YOJNA of CHHATTISGARH STATE RENEWABLE ENERGY DEVELOPMENT AGENCY (CREDA)
16.	Drawings	Page no. 51 – 86 Annexure VII	Dimensions of Platform in the drawings were missing.	Clear Drawings are uploaded on CREDA Website under in T. No. 97761 tab as well as on e-bidding page https://eproc.cgstate.gov.in under attachments.
17.	Price Bid (Column A)	Annexure – VIII	Column A. Rates for supply of Solar Drinking Water Pumping System with Solar Module, Controller, MTMS Structure, L.A, Earthing-02 Numbers., Rope wire, Cable, PVC & GI Pipes and other required BOS with five years unconditional onsite warrantee, System insurance, testing (Excluding GST and CMC)	Column A. Rates for supply of Solar Drinking Water Pumping System with Solar Module, Controller, MTMS Structure, L.A, Earthing-02 Numbers., Rope wire, Cable, PVC & GI Pipes and other required BOS with five years unconditional onsite warrantee, System, testing (Excluding GST and CMC)

SN	Topic/ Particular	Relevant Section/ Page No./ Clause No.	Actual Tender Clause(s)	Amended Clause(s)/Addendum(s)
18.	NIT	Page no. 4 (Insurance removed)	CREDA invites sealed Bids for Survey, design, supply, installation, and commissioning of Solar Photovoltaic Drinking Water pumps (Solar Drinking Water pumps) with five years CMC, unconditional onsite warrantee, insurance for anywhere in the State of Chhattisgarh from registered System Integrators of CREDA for SPV with 5 years track record in Solar Drinking Water Pumps, as per following details –	CREDA invites sealed Bids for Survey, design, supply, installation, and commissioning of Solar Photovoltaic Drinking Water pumps (Solar Drinking Water pumps) with five years CMC, unconditional onsite warrantee for anywhere in the State of Chhattisgarh from registered System Integrators of CREDA for SPV with 5 years track record in Solar Drinking Water Pumps, as per following details –

Note:

1. All above amendments shall be applicable for every clause having same point co-related in the tender document.
2. All other terms & conditions shall remain same as per the tender document.
3. The Amended Checklist of the bid document based on the amendments above has been appended under Appendix – 1 of this Corrigendum notice.
4. References to the original test reports in the bid document stands cancelled. Those bidders who have submitted acknowledgement copies of their test report(s) shall have to submit corresponding original test report(s) at the time of agreement.

Sanjeev Jain
Chief Engineer
(RE-V)

AMENDED CHECK LIST OF DOCUMENTS TO BE UPLOADED IN THE E-BIDDING PORTAL

To ensure that your Bid uploaded on the Chhattisgarh e-Procurement portal i.e. <https://eproc.cgstate.gov.in> is complete in all respects, please go through the following checklist & tick mark for the enclosures attached with your Bid –

Sl. No.	Envelope	Description of documents to be uploaded in the e-bidding portal	Complied (Yes/ No)	(Page No)
1	A. Pre-Qualification	EMD and Tender Document Fee submission form of the bidder confirmed by CREDA (as on page – 7)		
2		Scanned Copy of Undertaking of the Bidder as mentioned on Page – 8 of the tender document on the letter head of bidder		
3		Scanned copy of original tender document duly signed & with stamp on each page, as a confirmation of acceptance of the Terms & Conditions (T&C).		
4		PAN, GSTIN issued in the name of the bidder		
5		Self-certificate from Bidder on not being a debarred from Government contract or a blacklisted company.		
6		Consortium Agreement along with MoU (If Applicable) (Annexure II)		
7		Declaration of conflict of interest - by bidder about any relatives working with CREDA and Affidavit (Annexure III)		
8		Copy of Registration: Certificate as System Integrator of CREDA in SPV Program valid at the time of submission of bid.		
9	B. Technical and Financial Qualification	Copy of Approved Test Reports and/or acknowledgment copy in the name of bidder as per eligibility criteria clause 1A.		
10		Original Net Worth Certificate duly signed by Chartered Accountant as on 31 st March 2021.		
11		Copy of certificate for last five years turnover of works done in Solar Field.		
12		Copy of ITRs for last five Financial Years of the Bidder.		
13		Completion and Performance Certificates of Installation and Commissioning of SPV Drinking Water Pumps by the Bidder in Govt. Scheme of any State or inCREDA in last five financial years.		
14		Proof of being Eligible manufacturer of SPV-Pumps/ Controller / Structure of SPV Drinking water pumping system.		
15		Manufacture Authorization certificates of all components of SPV drinking water pumps.		
16		Technical Data Sheet for each component showing full technical details.		
17		Declaration for using same make of equipment's as per the test certificate (Annexure – X)		

Note: Bidders shall have to produce the original hard copies of the document at the time of opening of the technical bid. **Please refer amended clause 5(d) for better clarity.**