

CORRIGENDUM-3

Ref: 1. Tender Document No. 153398/CREDA/SPV IRRIGATION PUMPS/2024-25 Dated: 26-02-2024

2. Corrigendum-1/ 17195 Dated- 28.02.2024

3. Corrigendum-2/ 17639 Dated- 05.03.2024

Following Amendment/Addendum/Clarification is being made against Tender Document No. 153398/CREDA/SPV IRRIGATION PUMPS/2024-25 Dated: 26-02-2024

S. No.	Page No./Ref. Clause	Original Version	Amendment/Addendum/Clarification Version
1.	Pg.- 03/ NIT	This tender is being floated in anticipation to receipt of administrative sanction from department of energy, govt. of Chhattisgarh. This tender will be subjected to above sanction. The quantity of pumps mentioned in above table may vary as per actual site conditions & demand.	Additional Clause: As per the sanctioned budget of first stage from Department of Energy, Govt. of Chhattisgarh, approx. 6000 Nos. of pumps shall be installed, the number of pumps may increase if additional budget received from State Govt.
2	Section-01 / Pg.- 11/ S. No.- 3. a. v.	Pumps may be allocated to these bidders as follows on acceptance of lowest /Approved rates subject to eligibility: - <ul style="list-style-type: none"> • Bidders having nil experience in this scheme: 20 nos. • Bidders having 01 year experience in this scheme: 30 nos. • Bidders having 02 years of experience in this scheme: 50 nos. • Bidders having 03 years of experience in this scheme: 70 nos. • Bidders having 04 or more years of experience in this scheme: May be allocated as per their accessed capacity, regularity in submission of COMC Certificate, previous year's performance. 	Additional Clause: The allocation of the pumps to Start-up and New Entrepreneur will be subjected to the target of first stage i.e. 6000 Nos. The allocation will be calculated on the basis of target available for the different stages with respect to the cumulative target of 20000. For eg: if the first stage target is 6000 then Bidders having nil experience in this scheme will be eligible for allocation of 06 no of solar pumps and so on. However, the CREDA decision will be final and binding to all eligible bidders.
3.	Section-02 / Pg.- 23/ S. No.- 13 (g)	System Integrators shall have to establish their service stations in the allocated area and shall have to keep sufficient quantity of spares and man power to ensure proper service network for taking care of smooth functioning of SPV irrigation pumps installed by them and it is essential to keep spares at least 10 % of installed pumps which is to be submitted to District/ Regional office of CREDA after Completion of allotted work. SI shall have to give a toll-free number to register complaints.	System Integrators shall have to establish their service stations in the allocated area and shall have to keep 3% (Excluding Foundation & Structure) of spares and man power to ensure proper service network for taking care of smooth functioning of SPV irrigation pumps installed by them and it is essential to keep spares at least 2 % (Excluding Module, Foundation & Structure) of installed pumps which is to be submitted to District/ Regional office of CREDA after Completion of allotted work. SI shall have to give a toll-free number to register complaints.

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4.	Section-02 / Pg.- 24/ Clause no. 14 & 16	<p>TERMS OF PAYMENT –</p> <p>The following terms of payment shall apply for the tender –</p> <p>a.90% of the total billed (Eligible Subsidy) amount as per the sanction order after satisfactory supply, installation, and commissioning & performance test of the SPV irrigation pumps at site with proper handing over.</p> <p>b.Balance 10% of total billed (Eligible Subsidy) amount shall be retained by CREDA as Security Deposit for a period of 60 months from date of commissioning.</p> <p>SECURITY DEPOSIT (SD) –</p> <p>a.10% of the total cost (mentioned above) shall be retained as SD during the five years of warrantee period. No interest shall be payable on the SD.</p> <p>b.Period for which SD is to be retained may be extended in case the warrantee period is extended due to non-performance of the system.</p> <p>c.All costs of damages and delays for which the eligible SI is liable to the CREDA will be deducted from any money due to the eligible SI including the security deposit of any project under CREDA.</p>	<p>TERMS OF PAYMENT –</p> <p>The following terms of payment shall apply for the tender –</p> <p>a.90% of the total billed (Eligible Subsidy) amount as per the sanction order after satisfactory supply, installation, and commissioning & performance test of the SPV irrigation pumps at site with proper handing over.</p> <p>b. Balance 10% of total bill amount (Excluding GST) shall be retained as Security Deposit during the five years of warrantee period. The security deposit mentioned above may be released by CREDA to the vendors/ bidders on submission of bank guarantee (As per format attached herewith as Annexure-A3) by that vendor/ bidder for a period of 05 years from the date of last installed pump.</p> <p>SECURITY DEPOSIT (SD) –</p> <p>a.10% of total bill amount (Excluding GST) shall be retained as Security Deposit during the five years of warrantee period. The security deposit mentioned above may be released by CREDA to the vendors/ bidders on submission of bank guarantee (As per format attached herewith as Annexure-A3) by that vendor/ bidder for a period of 05 years from the date of last installed pump.</p> <p>b. Period for which SD is to be retained may be extended in case the warrantee period is extended due to non-performance of the system.</p> <p>c. All costs of damages and delays for which the eligible SI is liable to the CREDA will be deducted from any money due to the eligible SI including the security deposit of any project under CREDA.</p>

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5.	Section-02 / Pg.- 28/ Clause No. 35 Corrigendum-1/ S.No.-4/ Pg.No.-1	<p>The allocation of quantities shall be done as per following for all categories of pumps:</p> <p>L-1 750 or assessed capacity whichever is less. L-2 to L-3 500 or assessed capacity whichever is less. L-4 to L-5 400 or assessed capacity whichever is less. L-6 & Others Balance un-allocated quantity shall be allocated to the balance bidders who fall under the range of L1 +15% only, and will be considered for allocation of target in ratio of their assessed capacity. This allocation will be less than 400 i.e. the allocation of L-4 & L-5 Bidders</p>	<p>Additional Clause:</p> <p>The allocation of the pumps to L-1 to L-6 bidders will be subjected to the target of first stage i.e. 6000 Nos. The allocation will be calculated on the basis of target available for the different stages with respect to the cumulative target of 20000 Nos. For eg: if the first stage target is 6000 then the matrix will be as stated below: - L-1 225 or assessed capacity whichever is less. L-2 to L-3 150 or assessed capacity whichever is less. L-4 to L-5 120 or assessed capacity whichever is less. L-6 & Others Balance un-allocated quantity shall be allocated to the balance bidders who fall under the range of L1 +15% only, and will be considered for allocation of target in ratio of their assessed capacity. This allocation will be less than 120 i.e. the allocation of L-4 & L-5 Bidders. However, the CREDA decision will be final and binding to all eligible bidders.</p>
6.	Section-02 / Pg.- 27&28/ S. No.-34	<p>EFFECTIVE PRICE - Effective price shall be calculated as per following formula for decide the order of offered rates for allocation as per Clause 35. Effective price = (Unit price of 03HP AC Surface X W1) +(Unit price of 03HP DC Surface X W2) +(Unit price of 03HP AC Submersible X W3) +(Unit price of 03HP DC Submersible X W4) + (Unit price of 05HP AC Surface X W5) +(Unit price of 05HP DC Surface X W6) +(Unit price of 05HP AC Submersible X W7) +(Unit price of 05HP DC Submersible X W8)</p> <hr/> <p>W1+W2+W3+W4+W5+W6+W7+W8 W1= 2.44, W2= 2.44, W3= 2.57, W4= 2.62, W5= 3.31, W6= 3.59, W7= 3.31, W8= 3.64 Where Weightage W1, W2..... = Benchmark Cost (as per annexure- III) of respective Pump/1,00,000. The calculated effective price shall be used for determination of L1, L2 and so on for work allocation. If two bidders have same effective price, the one whose accessed capacity is higher, shall be considered better placed for above ordering. The bidders who fall under the range of L1+15% will only be considered for agreement and allocation of work.</p>	<p>EFFECTIVE PRICE - Effective price shall be calculated as per following formula for decide the order of offered rates for allocation as per Clause 35. Effective price = (Unit price of 02HP DC Surface X W1)+(Unit price of 02HP AC Surface X W2)+(Unit price of 02HP DC Submersible X W3)+(Unit price of 02HP AC Submersible X W4) + (Unit price of 03HP DC Surface X W5)+(Unit price of 03HP AC Surface X W6)+(Unit price of 03HP DC Submersible X W7)+(Unit price of 03HP AC Submersible X W8) + (Unit price of 05HP DC Surface X W9)+(Unit price of 05HP AC Surface X W10)+(Unit price of 05HP DC Submersible X W11)+(Unit price of 05HP AC Submersible X W12)</p> <hr/> <p>W1+W2+W3+W4+W5+W6+W7+W8+W9+W10+W11+W12 W1= 1.49, W2= 1.30, W3= 1.70, W4= 1.48, W5= 2.44, W6= 2.44, W7= 2.61, W8= 2.57, W9= 3.59, W10= 3.31, W11= 3.63, W12= 3.31 Where Weightage W1, W2..... = Benchmark Cost (as per annexure- III) of respective Pump/1,00,000. The calculated effective price shall be used for determination of L1, L2 and so on for work allocation. If two bidders have same effective price, the one whose accessed capacity is higher, shall be considered better placed for above ordering. The bidders who fall under the range of L1+15% will only be considered for agreement and allocation of work.</p>

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7.	Section-02 /Pg.- 27/ S. No.- 32 (a)	<p>32. TENDER EVALUATION CRITERIA -</p> <p>a. e-Price Bid shall be opened only of the bidders fulfilling the following criteria: -</p> <p>i. Bidders of Chhattisgarh should have minimum direct experience of supply and installation of 1000 nos. of SPV Irrigation Pumps in financial years i.e. 2020-21, 2021-22 & 2022-23 in the state of Chhattisgarh only.</p> <p>ii. Bidders from outside of Chhattisgarh state should have minimum direct experience of supply and installation of 2000 nos. of SPV Irrigation Pumps financial years i.e. 2020-21, 2021-22 & 2022-23 in the state of Chhattisgarh only.</p> <p>iii. Consortium Bidders (if both partners are from Chhattisgarh) should have minimum direct experience of supply and installation of 1000 nos. of SPV Irrigation Pumps financial years i.e. 2020-21, 2021-22 & 2022-23 in the state of Chhattisgarh only.</p> <p>iv. Consortium Bidders (if any or both partners are from outside of Chhattisgarh) should have minimum direct experience of supply and installation of 2000 nos of SPV Irrigation Pumps financial years i.e. 2020-21, 2021-22 & 2022-23 in the state of Chhattisgarh only.</p>	<p>32. TENDER EVALUATION CRITERIA -</p> <p>a. e-Price Bid shall be opened only of the bidders fulfilling the following criteria: -</p> <p>i. Bidders of Chhattisgarh should have minimum direct experience of supply and installation of 1000 nos. of SPV Irrigation Pumps in financial years i.e. 2021-22, 2022-23 & 2023-24 in the state of Chhattisgarh only.</p> <p>ii. Bidders from outside of Chhattisgarh state should have minimum direct experience of supply and installation of 2000 nos. of SPV Irrigation Pumps financial years i.e. 2021-22, 2022-23 & 2023-24 in the state of Chhattisgarh only.</p> <p>iii. Consortium Bidders (if both partners are from Chhattisgarh) should have minimum direct experience of supply and installation of 1000 nos. of SPV Irrigation Pumps financial years i.e. 2021-22, 2022-23 & 2023-24 in the state of Chhattisgarh only.</p> <p>iv. Consortium Bidders (if any or both partners are from outside of Chhattisgarh) should have minimum direct experience of supply and installation of 2000 nos of SPV Irrigation Pumps financial years i.e. 2021-22, 2022-23 & 2023-24 in the state of Chhattisgarh only.</p>
8.	Section-03 /Pg.- 29/ S.No 2(k)	<p>SCOPE OF WORK</p> <p>SI shall have to submit JCCs within 20 days of Installation and Commissioning of SPV irrigation pumps in District Office of CREDA.</p>	<p>SI shall have to submit JCCs within 45 days of Installation and Commissioning of SPV irrigation pumps in District Office of CREDA.</p>

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9.	Section-03 /Pg.- 29	SCOPE OF WORK	<p>Addendum:- 2(t). The rights of Carbon Credit will be retained with CREDA only. The System Integrator has to complete all the documentations regarding Carbon Credit. 2(u). The controller must be encased by a cage with antitheft locking system. 2(v). Yield tests must be conducted by System Integrator. A self-attested yield test report with geo-tagged photograph must be attached with application showing the activity of yield test. 2(w). Submersible pumps are prohibited in shallow wells. 2(x). Pump sleeves should be used for protecting pumps from sand in sandy areas. 2(y).The Bidder shall have to take prior approval before using components of any make of Solar Pumping System.</p>
10.	Section-04 /Pg.- 33/ S. No.- 3 (e)	<p>MMS as per drawings (which is given as Annexure "V"-A1 to A54) should be installed along with the hot dipped galvanized (minimum 80 microns) array support structure for mounting of SPV modules at site. The panel frame structure should be capable of withstanding a minimum wind load of 150 Km per hour, after grouting and installation. MMS should be sturdy & designed to assist SPV Modules to render maximum discharge. The hardware (fasteners) used for installation of SPV Modules & MMS should be of suitable Stainless Steel SS 304 grade or Hot dipped galvanized 8.8 grade. Each MMS should be grouted on pedestals & Foundation as per drawings. Each module should be fastened using four theft proof nut bolt. Module Mounting Structure including foundation bolt, other nut & bolt, steel nut & bolts, washer, theft proof nut & bolts, clamps for holding controller etc. for 06nos. & 09 nos. modules shall be as per drawing and specification attached in tender document.</p>	<p>Addendum:-</p> <ul style="list-style-type: none"> • The MMS drawing for 02 HP, 03 HP & 05 HP with mono perc solar module of capacity 450 Wp to 550 Wp is being notified and attached at Annexure A1. • The thickness of Purlin mentioned under Annexure-A1 in Page No. 18, 29, 31, 42, 44, 55 & 56 shall be read as 2.5 mm instead of 2 mm. • The weight of the structures may only exhibit a positive fluctuation; negative weight fluctuations are not permitted. Weight of MMS for 2 HP- 157 KG ± 5% Weight of MMS for 3 HP- 206 KG ± 5% Weight of MMS for 5 HP- 258 KG ± 5% • The weight of the foundation bolts and related nut-bolts shall not be included in the calculation of the structure's weight. • Hot-dip galvanization of structures must have an average galvanizing ingression of 80 microns. If it is found that the average galvanization is below 80 microns, the affected part or the entire structure will be considered rejected.

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11.	Section-04 /Pg.- 34/ S. No.- 3 (f) (v)	A good reliable DC Circuit Breaker as per IS/IEC 60947-2 as suggested by MNRE suitable for switching DC power ON and OFF shall be provided in the SPV Controller.	The technical specification of complete solar irrigation pumps will be same as notified by MNRE vide letter there OM 41/3/2018 SPV Division dated 22.03.2023 as annexure- A-1 only the module efficiency shall be 19.5% with fill factor 75 is being mad mandatory as per MNRE OM 283/54/2018- Grid Solar- Part (1) dated 24.02.2024.
12.	Section-04 / Annexure – V	Specifications For Solar Photovoltaic Water Pumping Systems & Complete drawings of SPV irrigation pumping systems	The Section-04 (Page No.-30-39) & Annexure-V Complete drawings of SPV irrigation pumping systems (Page No.-54-107) is replaced and attached herewith as ANNEXURE –A1.
13.	Pg.- 51/ ANNEXURE – III	Benchmark Cost of SPV Irrigation Pumping Systems	The difference of cost of solar irrigation pumps with USPC & Without USPC (with normal controller) will be borne by the beneficiary individually or concerned district administration/ state government or jointly by beneficiary & district administration /state government.
14.	Pg.- 119/ ANNEXURE – X (b)	DETAILED SPECIFICATIONS OF BOS	The ANNEXURE – X (b) is replaced and attached herewith as ANNEXURE –A2.
15.	ADDENDUM	Manufacturer Authorization Form (MAF)	The format of Manufacturer Authorization Form (MAF) is attached herewith as ANNEXURE–A4. Every Bidder (Individual/ Consortium/ Start-up/ New Entrepreneur) must submit this MAF at the time of display of sample.

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The revised schedule for extension is as below: -

S.No.	Particulars	From Date & Time	To Date & Time	Place
1	Display of Sample & Submission of MAF	07-10-2024 11:00 AM Onwards		At CREDA H.O. Raipur
2	Submission of Online Bid (Technical + e-Price Bid) and Submission of Documents in hard copy	30-09-2024 05:00 PM	16-10-2024 5:00 PM	https://eproc.cgstate.gov.in At CREDA H.O. Raipur.
3	Online Opening of Technical Bid	17-10-2024 12:00 Noon		At Conference Hall, CREDA H.O., Raipur (C.G.) (https://eproc.cgstate.gov.in)
4	Evaluation of technical bid and Declaration of Eligible bidders (Bidders who are technically & financially qualified)	23-10-2024 12:00 Noon		At Conference Hall, CREDA H.O., Raipur (C.G.)
5	Online Opening of e- Price Bid	28-10-2024 12:00 Noon		At Conference Hall, CREDA H.O., Raipur (C.G.)

• **Disclaimer-**

The tenders submitted shall be complete in every respective as mentioned in the tender document, corrigendum etc. If any discrepancy found then the tender will be liable to be rejected and the responsibility will be of tenderer only.

Note-

- All above amendments will be applicable for every clause having same point (co-related) in tender document.
- All other terms and conditions will remain same as per tender document.
- Bidder shall take note of the above amendment and submit their bids accordingly.
- This amendment forms an integral part of bidding document and shall be submitted along with the e-technical bid duly stamped and signed as a token of acceptance.

Superintending Engineer (RE-I)
Tender Cell, CREDA HO Raipur