

CORRIGENDUM-2

Ref: 1. Tender Document No. 153398/CREDA/SPV IRRIGATION PUMPS/2024-25 Dated: 26-02-2024
2. Corrigendum-1/ 17195 Dated- 28.02.2024

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.	Checklist/ Pg-5/ S.No.- 13	Completion and Performance Certificates of Installation and Commissioning of SPV Irrigation Pumps by the Bidder in Govt. Scheme of any State or Market mode scheme of CREDA 05 years (out of last 08 financial years i.e. 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23). (Annexure-I)	Completion and Performance Certificates of Installation and Commissioning of SPV Irrigation Pumps by the Bidder in Govt. Scheme of any State or Market mode scheme of CREDA 05 years (out of last 08 financial years i.e. 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24). (Annexure-I)
2.	Section-01 /Pg.- 9/ S. No.- 1 (a) & Corrigendum-1	a. MINIMUM EXPERIENCE Bidders of Chhattisgarh should have minimum direct experience of Supply and installation of 250 Nos. and that of other state should have minimum direct experience of supply and installation of 1000 Nos. of SPV Irrigation Pumps under a Govt. Scheme of any state or Market Mode Scheme of CREDA 05 years (out of last 08 financial years i.e. 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 & 2022-23).	a. MINIMUM EXPERIENCE Bidders of Chhattisgarh should have minimum direct experience of Supply and installation of 250 Nos. and that of other state should have minimum direct experience of supply and installation of 1000 Nos. of SPV Irrigation Pumps under a Govt. Scheme of any state or Market Mode Scheme of CREDA 05 years (out of last 08 financial years i.e. 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24).
3.	Section-01 /Pg.- 9/ S. No.- 2 (a)	The term Bidder used hereinafter would therefore apply to both as single entity and as Consortium. Consortium of companies/ organizations/bidders (maximum of two members) must be continuously in existence for at least 1 (one) year as consortium bidders from the date of issue of notice inviting bid. Both the partners should have at least 1(one) year experience in the field of installation of solar irrigation pumping systems.	The term Bidder used hereinafter would therefore apply to both as single entity and as Consortium (maximum of two members). The lead partner should have at least 2 (Two) year experience in the field of installation of solar irrigation pumping systems if he is bidder of Chhattisgarh and if he is bidder of outside of Chhattisgarh then he should have 3 (three) year experience as above. The other partner can be fresh entity having no experience. The Functional and financial viability of both the partners will be examined by CREDA, if not found satisfactory then their consortium will not be validated.
4.	Section-01 / Pg.- 9/ S. No.- 2 (h)	Any one partner of consortium preferably lead partner shall mandatorily have minimum 2 (two) years installation experience of SPV Irrigation Pumping Systems.	The lead partner should have at least 2 (Two) year experience in the field of installation of solar irrigation pumping systems if he is bidder of Chhattisgarh and if he is bidder of outside of Chhattisgarh then he should have 3 (three) year experience as above. The other partner can be fresh entity having no experience.

Continued...

S. No.	Page No./Ref. Clause	Original Version	Amendment/Addendum/Clarification Version
5	Section-01 / Pg.- 11/ S. No.- 3 (V)	<p>v.Pumps may be allocated to these bidders as follows on acceptance of lowest/approved rates subject to eligibility:-</p> <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. • Previous year's performance is to be calculated on the basis of complaints disposal. 	<p>Additional Clause</p> <ul style="list-style-type: none"> • If New Entrepreneur & Start-Ups satisfactorily completes the allotted work if time then CREDA may allot additional target to them.
6.	Section-02 /Pg.- 23/ S. No.- 13 (f)	<p>Care should necessarily be taken to make the SPV irrigation pumps operational, once the reporting of the fault/non-operational status is done, within 07 days. If the SPV irrigation pump is not made operational within 15 days, the rectification/replacement (keeping the same configuration in consideration) will be done by CREDA at the risk and cost of system integrator, after rectification / replacement the warranty clause will remain compliable as per tender conditions and if the system integrator fails to rectify the faulty system within 30 days then this may lead to blacklisting and debarment of SI from all the activities of CREDA for 03 Years.</p>	<p>Care should necessarily be taken to make the SPV irrigation pumps operational, once the reporting of the fault/non-operational status is done, within 07 days. If the SPV irrigation pump is not made operational within 15 days, the rectification/replacement (keeping the same configuration in consideration) will be done by CREDA at the risk and cost of system integrator, after rectification / replacement the warranty clause will remain compliable as per tender conditions and if the system integrator fails to rectify the faulty system within 30 days then this may lead to blacklisting and debarment of SI from all the activities of CREDA for 03 Years. If any system becomes nonworking due to fault in any component then CREDA will have the right to take action against the Vendor/Manufacturer who has supplied that component to the System Integrators. The Vendor/Manufacturer in such case will be responsible to rectify/replace the faulty components, failing which the Vendor/Manufacturer may be blacklisted and debarred from all the activities of CREDA for 03 Years.</p>
7	Section-02 /Pg.- 25/ S. No.- 13 (f)	<p>NON-ASSIGNMENTS – The Eligible bidder shall not assign or transfer the work orders issued as per this contract or any part thereof without the prior approval of CREDA. This can be allowed only as per Policy of CREDA.</p>	<p>NON-ASSIGNMENTS – The Eligible bidder shall not assign or transfer the work orders issued as per this contract or any part thereof without the prior approval of CREDA. This can be allowed only as per “policy and procedure for subcontract” of CREDA available on CREDA website i.e. www.creda.co.in. According to which only 25% of allocated work can be allowed for subcontract/ sublet after CREDA's approval.</p>

Continued...


S. No.	Page No./Ref. Clause	Original Version	Amendment/Addendum/Clarification Version
8.	Section-02 /Pg.- 27/ S. No.- 31 & Pg.-1/ Corrigendum- 1	<p>31. CAPACITY ASSESMENT OF THE BIDDER - The SI's maximum capacity for installation of solar irrigation pumps (in nos.) under this bid shall be assessed as –</p> <p>a. No. of SPV Irrigation Pumps of capacity above 3HP installed in any 05 years out of last 08 F.Y. (i.e. 2015-16,2016-17,2017-18,2018-19,2019-20,2020-21,2021-22 & 2022-23)----- a</p> <p>b. No. of SPV Irrigation Pumps of capacity 3HP and below installed in any 05 years out of last 08 F.Y. (i.e. 2015-16,2016-17,2017-18,2018-19,2019-20,2020-21,2021-22 & 2022-23) ----- b</p> <p>Assessed maximum capacity for installation of pumps in this bid shall be as per following formula: [(a+ b) – (Non operational under warranty solar irrigation in last one year at the time of bid opening X 2)]</p>	<p>31. CAPACITY ASSESMENT OF THE BIDDER - The SI's maximum capacity for installation of solar irrigation pumps (in nos.) under this bid shall be assessed as –</p> <p>a. No. of SPV Irrigation Pumps of capacity above 3HP installed in any 05 years out of last 08 F.Y. (i.e. 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24)----- a</p> <p>b. No. of SPV Irrigation Pumps of capacity 3HP and below installed in any 05 years out of last 08 F.Y. (i.e. 2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) ----- b</p> <p>Assessed maximum capacity for installation of pumps in this bid shall be as per following formula: [(a+ b) – (Non operational under warranty solar irrigation in last one year at the time of bid opening X 2)]</p>
9.	Section-04 /Pg.- 31/ S. No.-3. b. ii.	ii. DC Motor [PMSM/BLDC/SRM (with brush or brushless)].	ii. DC Motor [PMSM/SRM].
10.	Section-04 /Pg.- 31/ S. No.- 3.c.i.	<p>SPV array contains specified number of same capacity, type and specification modules connected in series or parallel to obtain the required voltage or current output. The SPV irrigation pumping system should be operated with a PV array minimum capacity in the range of 1800 Watts peak to 4800 Watts peak, measured under Standard Test Conditions (STC).The module used should be DCR. Sufficient number of modules in series and parallel could be used to obtain the required voltage or current output. The power output of individual PV modules used in the PV array, under STC, should be a minimum of 300 Watts peak for 02 HP, minimum 320 Watts peak for 03 & 05 HP pumps and 535 Watts peak and above Mono PERC Solar modules can also be use for 05 HP Pumps with adequate provision for measurement tolerances. Use of PV modules with higher power output is preferred.</p>	<p>Additional Clause:- To meet the requirements of 19.5% module efficiency as per the MNRE F. No. 285/54/2018-GRID SOLAR-Part (1) dated 24.02.2024, following types of module capacity can also be used:-</p> <ol style="list-style-type: none"> 1. For 02 HP Surface/ Submersible = 450 Wp * 4 Nos. 2. For 03 HP Surface = 450 Wp * 6 Nos. 3. For 03 HP Submersible = 500 Wp * 6 Nos. 4. for 05 HP Surface/ Submersible = 535 Wp * 9 Nos.
11.	Section-04 / Pg.- 31/ S. No.- 3. c. iv.	The minimum module efficiency should be minimum 15 percent and fill factor shall be more than 70 percent.	The minimum module efficiency should be minimum 19.5 percent and fill factor shall be more than 75 percent.

Continued...

S. No.	Page No./Ref. Clause	Original Version	Amendment/Addendum/Clarification Version
12.	Section-04 /Pg.- 33/ S. No.- 3. e. i.	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.	Additional Clause- <ul style="list-style-type: none">• MMS Drawings mentioned in Annexure "V" – A36 to A54 is deleted.• Drawings to use Mono- Perk Modules for 04, 06, 09 Nos. will be notified shortly.

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-V)
Tender Cell, CREDA HO Raipur