Prebid Quries Responses				
NIT No.: TPCODL/CCG/2025-26/1000008023				
Tender Description -Contract for supply of Battery & Battery Charger for TP Odisha DISCOMs				
Sl. No.	**Tender Reference Document Clause no./Clause name)**	**Pre-Bid Query raised by Bidder**	**BA Remakrs**	**Final CEG Reponse**
1	General Technical Requirements-Point No-4.A-1	Input Volt 415 V +20% AC 3 phase 4 wire	Input supply voltage range mention at different clause are not standard. Please clarify. **Shall we treat 415 V +/- 15% ?**	No , Input Voltage may vary within +/- 20% but during acceptance test , it is to be verified that for +/- 15% of input voltage variation,output Voltage regulations shall be within +/- 1%
	General Technical Requirements-Point No-4.A-5	"Output Voltage Regulation +/-1% of set output value for +15% to - 15% input voltage variation and ....."		
	General Technical Requirements-Point No-4.1Para 7	"Electronics controller.....Input voltage variation of +/-10% from 415 V, ..."		
2	General Technical Requirements-Point No-4.3	DC output current rating		
		for 48 Volt 50 A,	25 A + 25 A (total 50 A)	24V 40A(FC & FCBC each) and 48V 50A(FC & FCBC each) AND 24V 70A (FC and FCBC each)
		for 24 Volt 40 A or 70 A	20 A + 20 A (40 A) or 35A + 35 (70 A) Need clarification in this regard.	
3	General Technical Requirements-Point No-4.A.8	Ripple Voltage <200 mV (P-P)	Ripple voltage < 200 mV is achiable with SMPS based chargers. For thyristor based charger 2% ripple is standard.	Noted and accepted
4	General Technical Requirements-Point No-4.A.10 Switchgear:	a) Input side (AC) 4 Pole, 25 A / 20 kA or suitable size MCCB	It may be noted that Input current for 48 V 50 A or 24 V 40 Amps is estimated to be less then < 10 Amps. These are not in regular production and availability is very poor .	During Detail engineering shall be decided.
	General Technical Requirements-Point No-4.1 Para 3	"Triple pole ON/ OFF AC Modulated Case Circuit Breaker (MCCM 50 KA) for the AC incoming of the FC or Fcb Charger with alarm contact for annunciation.	We request for consideration of MCB in place of MCCB for proper working of charger.	During Detail engineering shall be decided.
	General Technical Requirements-Point No-4.18. Para 1	AC Mains Fail/ MCB trip (at charger input)	This refers to MCB not MCCB- Need clarification.	During Detail engineering shall be decided & AC fail annuncitor required for incoming AC supply fail.
4-A	General Technical Requirements-Point No-4.A.10 Switchgear:	b) 2 Pole **100 A MCCB** suitable for DC operating	MCCB 100 A or 300 A is required?	Shall be decided during detail engineering.
	General Technical Requirements-Point No-4.C.3 DC DB	I/C feeder comprising of copper busbar double pole DC **MCCB 300 A**		
	General Technical Requirements-Point No-5.1 General Construction	DCDistributionBoard: The ... Incoming**100 A DP DC MCCB**-1No,..."		
5	General Technical Requirements-Point No-4.C.1 DC DB	Feature of DCDB feeder ON/OFF status monitoring through controller display	Status monitoring through controller display or LED indications will be OK?	Both are acceptable , However signal for status to be wired upto Controller for SCADA communication.
6	General Technical Requirements-Point No-4.C.5 DC DB	Incoming100ADPDCMCCB-1No,CopperBus-barandOutgoing25ADPDCMCB:15 Nos. with Feeder 'ON' LED indication and each **MCB and MCCB should have add-on contacts** to be wired up to charger controller for SCADA Inputs.	Meter, if required may be of 100 V for 48 V system and 50 V for 24 V system may be considered.	Digital meter preferable. So range not required
	General Technical Requirements-Point No-4.C.6 DC DB	Moving coil DC ammeter of size 96sq. mm; 0-150 Amp	Charger capacity is 50 Amps and hence Meter, if required of 0-50 A may be considered,	Digital meter preferable. So range not required
	General Technical Requirements-Point No-4.A.19 Controller:	Microprocessor based Digital Controller form to suit SCADA Compatibility.....Load Voltage, Load Current, Battery Voltage, ..."	Since, Digital display is incorporated with controller, please consider if other meter is required.	All the signals mentioned in the TS needs to be complied and component to be selected accordingly.Digital meter is required along with the digital controller display

7	General Technical Requirements-Point No-4.1 Modular configuration	The system shall employ a modular configuration to provide flexibility in view the.....so that only plugging of FR/FC module shall enhance the DC power plant output. The modules shall be accommodated in a rack"	Tender specifications is for Tharistor based chargers, Modular system is not required. This clause may be deleted.	Noted , This is Thyristor based
8	General Technical Requirements-Point No-4.1 Para 9	"Dropper diode **selectors witch with minimum three positions** along bypass scheme in case Voltage reaches to one specified level. "	for 24 V and 48 V system such switches may not required, Please consider.	Dropper diode shall be operated automatically so no manual intervation required,However during detailed engineering it will be finalised
9	General Technical Requirements-Point No-4.1 Para 19	Constant current/Constant voltage selector switch to select the Boost/ Float mode of Operation for the Float cum Boost charger	Auto/ Manual switch and CC / CV are same.	CC & CV both are used as boost charging and float charging respectively in manual mode. In auto mode these switch are isolated. So all modes are required
	General Technical Requirements-Point No-4.1 Para 10	Auto/Manual selector switch for selecting the mode of operation of float charger		
10	General Technical Requirements-Point No-4.1 Para 21	Silicon blocking diode connected in series to the 84th cell of the Battery Bank to maintain continuity in the DC supply even during the second power failure during boost charging of the battery (required in case of Ni-cd Battery)	Battery selected is VRLA and system voltage are 24 and 48 V, such provision may not be required and may be deleted.	Not required as it is already mentioned it is for NI-Cd battery
11	General Technical Requirements-Point No-4.1 Para 22	Double pole ON/OFF DC MCB with lock and key for connecting the discharge resister for periodical 10Hr discharge	for Discharge MCB separate compartment is to be incorporated for locking it. For time of 10 Hours, timer with suitable contractor is to b incorporated. Rating of MCB and Timer is to be specified.	Shall be finalized during detail engineering.
12	General Technical Requirements-Point No-4.1 Para 27	**Digital** meters: - AC **Moving iron Voltmeter** of size 96Sq.mm.with suitable selector switch & HRC fuses	Digital Meters are not Moving iron type. Please also consider that input voltage are displayed with controller and hence meters requirement may be re-considered.	MFM may be considered for Input AC Voltage and current measurement but it should be compatibility with SCADA through Controller
	General Technical Requirements-Point No-5.1 Para 2	Digital meters:-AC Moving iron ammeter of size 96 Sq.mm. with suitable current transformer & Selector Switch		
13	General Technical Requirements-Point No-5.1 Para 5	Electronic equipment shall be of modular design consisting of plug in modules in standard 19 inches metallic racks with metallic card guides	for Tharistor control battery charger it is not required and hence re-considered.	Noted and accepted
14	General Technical Requirements-Point No-5.1 Para 19	**Battery Temperature Compensation:**	This may not be required for VRLA type battery.	Noted and accepted
15	General Technical 7.3 Acceptance Tests	Temperature rise test so as to determine the temperature rise of Semiconductor capacitor, choke, Ferrite cores and cabinet etc.	Temperature rise test is generally done during type test. Conducting temperature test on each charger may be time consuming and hence may be re-considered.	Its considered a mandatory test and should be done one or 10% of of lot not for total volume ,that depends upon the mutual agreed QAP
16	General Technical 9 Pre-Dispatch Inspection	The successful bidder shall submit one prototype samples for further testing and compliance as per specifications and getting approval before mass manufacturing.	As per 13.0 sample is not applicable	Sample and prototype, both are different. Before mass production Bidder should raise a prototype inspection call. Client may conduct inspection virtually or physically as per their availibilty.
Sl. No.	**Tender Reference (Document name/Page no./Clause no./Clause name)**	**Pre-Bid Query raised by Bidder**	**CCG/ CEG Remakrs**	
1	**ENG/GEN/4051 Rev 01**			
2	Cl 23 page 5/18	All alarm status will be porvided on LCD display on Text format along with event history which can be accessed locally and as well remove over modbus. LED indication is not required. Further we will provided all metering data on LCD Display with 0.5% accuracy. No analogue meter is required.	Noted and LED Indications are also required	
3	3.0 DCDB & GTP	The incomer rating of 100A as specified elsewhere in tender document is sufficient for 24V and 48V Charger DCDB. Further one incomer is sufficient inplace of 2Nos as specified in GTP.	Shall be decided during detailed engineering	
4	8.0 Dropper Diode	Since charger are suitable for VRLA Batteries, dropper diode is not required.	Dropper Diode /Blocking Diodes required ,However to be decided during detailed engineering	

5	11.0 Speed Regulated fans	Both 24V and 48V chargers will be natural cooled, speed regulated fans are not required.	Shall be decided during detailed engineering
6	12.0 Earth leakage ammeter & GTP	Cl 21 calls for analoue earth leakage meter, the other clause call for digital meters. Pl confirm analogue/ digital meter requirement.	Digital meters are to be considered for Data transmission
7	4.1	The clause specifies modular construction with future expansion. The future expansion with thyristor controlled system is not feasible.	Noted and accepted
10	Cl 6.0 - Delivery terms	For both battery & battery charger. The Delivery terms to be considered as 90days from code-1 drg approval / RO which ever is later. Further the quantity of chargers to be supplied per month to be on mutual discussion basis considered ordering from various DISCOM's.	Tender terms & condition shall prevail.
11	Cl 4.0 Guarantee	The guarantee for battery & battery charger shall be 30months from the date of dispatch (RO wise) or 24months from commissioning which ever is earlier.	Guarantee Period shall be as follows: Guarantee Period of Battery shall be 36 months from the date of last supplies made under this Contract. Guarantee Period of battery charger shall be 66 months from the date of last supplies made under the contract.
12	3.1 Price Basis	Due to current market fluctuation of Copper/ lead prices. The prices shall be firm for supply for 6months from the date of RC. Further prices of battery & charger shall be variable based on the IEEMA formula.	Tender terms & condition shall prevail.