Prebid Queries Responses (Tender Ref: TPCODL/CCG/1000002120/ 2024-25)

Tender Name: One Year Rate Contract for Supply of Battery & Battery Charger for TP Odisha DISCOMs.

<table>
<tr><th>Sl. No.</th><th>Tender Reference (Document name/Page no./Clause no./Clause name)</th><th>Pre-Bid Query raised by Bidder</th><th>CCG/CEG Team Response</th><th></th></tr>
<tr><td>1</td><td>Tender Document/04/1.1/Scope of work</td><td>Type of Battery Set- In the given NIT, the requirements of the battery set are tubular or VRLA. Please confirm whether we have to quote VRLA or Tubular battery set in the below mentioned list.</td><td>VRLA Type</td><td></td></tr>
<tr><td></td><td colspan="2"><table>
<tr><th>S. No</th><th>Material Description</th><th>UOM</th><th>TPSODL</th><th>TPCODL</th><th>TPNODL</th><th>TPWODL</th><th>Grand Total Requirement</th></tr>
<tr><td>1</td><td>Battery Set 24V 100 AH Tubular Lead Acid (VRLA Maintenance free battery)</td><td>SET</td><td>4</td><td>16</td><td>0</td><td>0</td><td>20</td></tr>
<tr><td>2</td><td>Battery Set 24V 150 AH Tubular Lead Acid (VRLA Maintenance free battery)</td><td>SET</td><td>0</td><td>0</td><td>15</td><td>30</td><td>45</td></tr>
<tr><td>3</td><td>Battery Set 48 V 150 AH Tubular Lead Acid (VRLA Maintenance free battery)</td><td>SET</td><td>0</td><td>61</td><td>15</td><td>7</td><td>83</td></tr>
<tr><td>5</td><td>24V/80A, Thyristor Based Battery Charger DCDB</td><td>SET</td><td>4</td><td>0</td><td>0</td><td>0</td><td>4</td></tr>
</table></td><td>Please refer revised Price bid attached with corrigendum.</td><td></td></tr>
<tr><td>2</td><td>Battery Charger capacity & quantity</td><td>As we understand as per NIT, the requirement is only for 24V/80A thyristor based battery charger. But in the technical specification, you have mentioned the technical details of the 48V Battery Charger. Please confirm the actual requirement with quantity.</td><td>This is consolidated specification for all ratings. Please refre revised price bid and quote accordingly</td><td></td></tr>
<tr><td>3</td><td>Technical specification/03/04/GENERAL TECHNICAL REQUIREMENTS</td><td>Configuration & current rating of Battery Charger: Please confirm the configuration & current rating of FCBC. There is a mismatch in the DC output current rating given in the NIT and Technical specification.</td><td>As stated below.</td><td></td></tr>
<tr><td></td><td colspan="2"><table>
<tr><td>4.0</td><td>GENERAL TECHNICAL REQUIREMENTS</td><td>
<table>
<tr><th>S. No.</th><th>Parameters</th><th colspan="2">TPCODL/TPNODL/TPSODL/TPWODL Requirements</th></tr>
<tr><td></td><td></td><td>48 V/200AH</td><td>24V/150AH</td></tr>
<tr><td>A</td><td>Battery Charger</td><td></td><td></td></tr>
<tr><td>1.</td><td>AC input voltage</td><td>415 V ± 20% AC, 3 Phase, 4 Wire</td><td>415 V ± 20% AC, 3 Phase, 4 Wire</td></tr>
<tr><td>2.</td><td>AC input frequency</td><td>50 Hz ± 5 %</td><td>50 Hz ± 5 %</td></tr>
<tr><td>3.</td><td>DC Output Current rating</td><td>50 A</td><td>40 A</td></tr>
<tr><td>4.</td><td>DC output voltage settings:</td><td>Nominal: 48V; Range: 48 V DC to 54 V DC for FC Range: 48 V DC to 62V DC for FCBC</td><td>Nominal: 24V; Range: 24 V DC to 27 V DC for FC Range: 24 V DC to 31V DC for FCB</td></tr>
<tr><td>5.</td><td>Output Voltage Regulation</td><td>± 1 % of set output voltage value for +15% to -15% input voltage variations and for 10-100% of load variations</td><td>± 1 % of set output voltage value for +15% to -15% input voltage variations and for 10-100% of load variations</td></tr>
<tr><td>6.</td><td>Efficiency</td><td>≥ 90%</td><td>≥ 90%</td></tr>
</table>
</td></tr>
</table></td><td>24V(40A+40A=80A)
48V(50A)</td><td></td></tr>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
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Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	CCG/CEG Team Response	
1	5.1.1 EMD	EMD due date? How to submit emd? Procedure etc in details	EMD Submisson details are already mentioned tender clause 5.1.1. The same can be submitted as EMD BG format/ online transaction, etc. The validity should be 210 days from the bid due date.	
2	5.3.viii	is power of attorney needed in case of bid being participated by Authorized distributor of AMARRAJAo or authorization letter enough? Can you shed more light on what is PROPER Authorization letter	MAF issued by Amaraja declaring as authorized channel partner shall suffice the requitrement. Please refer the MAF format as per MAF format in TPCODL GCC (pg 43/43)	
3	5.3	What documents are to be submitted if authorized distributor participates the bid. CAN YOU SHARE all the lists which are compulsory?	As stated above	
4	GCC of TPCODL, TPNODL, TPWODL, TPSODL are there	which GCC are to be considered?	for Bidding purpose, may pls refer TPCODL GCC. Post award of RC (if any), respective DISCOM GCC shall be applicable.	
5	Page no 21 ANNEXURE IV a&b .	Can you explain these? How to fill these points	This needs to be ticked with appropriate responses.	
6	Page no 22 ANNEXURE V Sl no 8 & 9	Can you explain these? Is it compulsory ?	Pls mention suitable responses- "NA/ YES/ attached/ etc. as per applicablity of tender.	
7	Page no 22 ANNEXURE V Sl no 14 Project/supply Completion certificates	Can you explain these? Is it compulsory if authorized distributor takes part in bid ? What documet are to be submited regardig this?		
8	Page no 22 ANNEXURE V Sl no 19 List of trained/untrained Manpower	Can you explain this? Is there any restrictions or criteria? Is it compulsory?		
9	Page no 22 ANNEXURE V Sl no 16Client Testimonial/Performance Certificates	Can you explain this? What document to submit ? Is it compulsory?		
10	Page no 22 ANNEXURE V Sl no 17 Credit rating/solvency certificate	Can you explain this? What document to submit ? Is it compulsory?		

Sl. No.	Tender Reference (Document name/Page no./Clause no./Clause name)	Pre-Bid Query raised by Bidder	Bidder remarks	CCG/CEG Team Response
	General Technical Requirements-Point No-4.0)A)5.	Ac input voltage mentioned in point no A)1. is 415V ±20% but in Point No A)5.it is ±1% of set output voltage value for +15% to -15% input voltage variations-As provided informations in both points are different	Input supply range is 332 to 498 V but regulation required from 352 to 477 Volt. Need clarifications. Creating problem while inspection.	For input voltage variation +/-20% , Charger should work .But for regulation t is ±1% of set output voltage value for +15% to -15% input voltage variations
2	General Technical Requirements-Point No-4.0)A)6	Efficiency:>90%	With transformer-based thyristor controlled battery charger with input variation of +/-15% it achieving 90% and Power Factor 0.98 is not technically not viable.	Efficiency for thyristor based Rectifier :85% & Power Factor :0.9
3	General Technical Requirements-Point No-4.0)A)11)n	Protections	Input supply phase interchange is not effecting working of charger.	OK

4	General Technical Requirements-Point No-4.0)A)18	Alarms (at LCD display of Battery Charger (FC &FCBC)	For Alarm dedicated LED are technically suitable and has been accepted in precious supplies	As per TS
5	General Technical Requirements-Point No-4.0)B)20)1	"	Battery Chargers needs to be fixed and arrangement with wheels may be re-considered.	Noted
6	General Construction:Point No-5)5.1)4	4.Electronic equipment shall be of modular design consisting of plug-in modules instandard19inchesmetallicrackswithmetalliccard guides. The cards should be provided with proper handles. Card to card wiring should be preferably through a mother board. Unplanned jumpering and track modifications are not permitted.Mechanical interlocks to prevent wrong insertion of cards should be provided. Each card shall have its junction and test points identified. Maintenance aids such as extension printed wiring boards and jumper leads shall be provided.	These are not applicable for thyristor-based charger.	As per TS (If applicable)
7	General Construction:Point No-5)5.1)9	9. Digital Control: charger should employ digital control with DSP controller for providing predictive control of rectification & monitoring capability. The charger should have a multi line dot matrix display of suitable size,on front panel to indicate control status and event log.	Transformer based, thyristor controller charger do not need DSP controller	If applicable, it is required as per TS. Orelse if Bidder have any other solution,during detailed engineering it is to decided.
8	General Construction:Point No-5)5.1)11)a. & b.	(a.)For locking Trickle/Boost selector switch in the trickle position only.This would be used for having key mechanical interlock between Trickle/Boost selector switch and isolator in D.C. distribution board which is being procured separately by the Owner.	DC DB is integral part of battery charger as per point 5 .0(General Construction)	It may be integral part of battery charger but end user may have specific requirement like Battery charger w/o DCDB.
9	General Construction:Point No-5)5.1)11) b. & 5)5.2	AC Terminations,DC Terminations & Terminals	Information provided in the points are contradictary,kindly clarify	Query not clear. May Pls discuss for more clarifcation.
10	General Construction:Point No-5)5.1)11) b.	Battery Temperature Compensation: The charger shall be provided with the appropriate circuitry to interface with the temperature probe assembly. With the probe, the charger shall automatically compensate gassingand constant voltage setting inversely proportional to the probe's temp/ battery ambient temp., so that over charging at high temperature and under charging at low temperature can be prevented.	FC & FCBC as per these specifications will be connected to suitable VRLA batteries which do not need temperature probe. These are sealed batteries and no gassing is observed in this type of batteries.	Ok,Not required
11	General Construction:Point No-5)5.7	Stand and racks:Suitable corrosion resistant Battery charger racks and cable supports shall be provided.Metallicracksshallbeproperlyearthed.Thebottomtierofstandshallhave a ground clearance of 150 mm (minimum), above the floor. Racks shall be made of alkali resistant powder coated steel or stainless steel to ensure corrosion resistance	As per 5.1 "the charger shall be indoor, floor mounted, self-supporting steel metal enclosed cubical type."	OK but for battery ,racks are required
12	General Construction:Point No-5)5.8	User interface with controller	Requirement is not clear	For Local & Remote Monitoring it is Required.
13	General Construction:Point No-7)7.1)b. & I	Equipment reactance test & l) Test for confirmation of reduction in float voltage with increase of battery temperature and vice-versa	Clarification required	TBD during Tender evaluation

14	General Construction:Point No-7)7.3)c,j & k	c)Temperature rise test so as to determine the temperature rise of Semiconductor capacitor, choke, Ferrite cores and cabinet etc. j) Testsforindicatinginstruments. k) Determinationofsystemsetpoints	Clarification required	TBD during Tender evaluation
15	General Construction:Point No-9	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	Noted
16	General Construction:Point No-11	Guarantee clause is 60 months from supply and later said Bidder shall further be responsible for ‘free replacement’for another period of THREE years from the end of the guarantee period for any ‘Latent Defects’ if noticed and reported by the Purchaser.	Need to be discussed	Please refer Guarantee Period for tender SCC only.