

Prebid Queries Responses

Tender : RC for Supply of Battery & Battery Charger at TPCODL, TPNODL, TPWODL & TPSODL

Tender Ref: TPCODL/CCG/23-24/100000566

Sr. No.	Detailed Reference to Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TP Odisha DISCOM Response
1	2	3	4	5
1	ENG-GEN-4051 Cl. 4.6	Efficiency >90%	With Thyristor based charger archivable efficiency is >75%	Efficiency >85%
2	ENG-GEN-4051 Cl.4-7	Power Factor >0.98	With Thyristor based charger archivable power factor is >0.85	Power Factor >0.9
3	ENG-GEN-4051 Cl. 4-8	Ripple voltage <200mV (p-p)	With Thyristor based charger archivable ripple is 3%	As per Technical Specifications
4	ENG-GEN-4051 Cl. 4- 14	Connection to backup battery bank, load and battery at site through dedicated MCB via bus bar	it may be MCCB as per clause no. 10-b.	Noted
5	ENG-GEN-4051 Cl. 4-18	Alarm (at LCD display of Battery Charger (FC & FCBC) - fault at rectifier module	Thyristor charger not with modules. Indication for rectifier can be provided.	Indication/Alarm at LCD display, for rectifier fault to be provided
6	ENG-GEN-4051 Cl. 5.0	DC Distribution Board: incomer 100 A DP DC MCCB 1 No.	output of the charger have 100 A DP MCCB which is incomer to DC DB hence it may not be required.	As per Technical Specifications
7	ENG-GEN-4051 Cl. 5.1-4	Electronics equipment shall be of modular design consisting of -----	Thyristor charger are modular system and may no tbe required.	Noted
8	ENG-GEN-4051 Cl. 5.1-9	Digital Controller	Thyristor charger may not require Digital Controller.	As per Technical Specifications
9	ENG-GEN-4051 Cl. 5.1-11	Battery Temperature Compensation	Battery used are VRLA type and these battery temperature compensation may not be required.	As per Technical Specifications

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1	4.0.6 Efficiency (General Technical Requirements) (Page 3 of 13)	Customer Requirement is above 90%.	Charger Efficiency will be Better than 80% at Full Load. Above 90% Can't be Complied.	Efficiency >85%
2	4.0.7 Power Factor (General Technical Requirements) - (Page 7 of 13)	Customer Requirement is above 0.98	We can Provide 0.75 Lag.	Power Factor >0.9
3	5.0 DCDB (General Construction) - (Page 6 of 13)	As per Customer Requirement, Need to Consider Separate Compartment for DCDB.	As of now we Provided Charger Inbuilt DCDB (Non-Compartmentalized) with Incomer & O/G Feeders Provided above Cable Termination inside the Cabinet. Separate Compartment not Considered.	Charger & DCDB can be in the same encloure but there shall be separate compartment for DCDB area.
4	5.8 User Interface with Controller (Page 9 of 13)	Local Monitoring & Remote Monitoring	we can Provide RS-485 2 Wire Communication for SCADA Interconnection.	MODBUS RTU over RS 485 for SCADA communication
5	5.1 General (General Features Page 6 of 13)	Sheet Thickness of 2.0mm. Paint Thickness will be min 80 Microns. Neoprene / EPDM Gaskets.	Sheet Thickness of 2.0mm for Load Bearing & 1.6mm for Non-Load bearing Sections. IP- 42 Protection Considered. Paint Thickness will be min 60 - 80 Microns. Cooling will be Natural Air cooling not Forced Cooling. PU Foam gaskets will be used in charger instead of Neoprene / EPDM Gaskets.	As per specifications

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6	5.1.9 Digital Control (Page 7 of 13)	Event Log	Event Log Can't be Complied.	All the Important events should be captured in memory & to sent to SCADA through communication interface.
7	4.0-11 protection	Power ON Self-test, Phase Failure, Thermal Protection Short Circuit Required.	Power ON Self-test, Phase Failure, Thermal Protection Short Circuit Can't be Complied.	All the protection required against short circuit, thermal & phase failure shall be provided and alarms to be displayed / sent to SCADA via modbus communication.
8	5.1.11.a	Mechanical Interlocking Required.	Mechanical Interlocking can't be Complied for Locking Float & Boost Positions.	Noted
9	7.0 Tests, 8.0 Type Test Certificates	Charger Testing & Type Test Reports	Battery Charger Testing will be strictly as per our Standard QAP Only. Type Testing of Charger & Type Test Charges not Considered. Reference Type Tests will be Provided for Customer Reference. Higher rating type test will be provided	Type tests and other tests needs to be done as per Technical Specifications.
10	ENG-EHV-1045 Page 4 clause 4GENERAL TECHNICAL REQUIREMENTS	Battery Rating clarification required 48V	48V 100AH @ C10 to 1.75 ECV 48V 200AH @ C10 to 1.75 ECV 48V 100AH @ C10 to 1.85 ECV 48V 200AH @ C10 to 1.85 ECV	1.75 ECV
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12	ENG-EHV-1045 Page 4	Battery Capacity 100AH/150Ah	What AH to consider for 48V & 24V	There is a requirement of 100 AH or 150 AH for both 24 V & 48 V battery. Kindly refer the Annexure-1 Price schedule of Tender.
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1	ENG-GEN-4051/Clause No: II/Page no.11	Guarantee 60m/66m SLA - Attend with in 24 hr Replace faulty products - 24 hr Root Cause Analysis - 15 days Life Cycle Support Components - 15 Year AMC for 10 yrs after warranty	Guarantee Period should be 12 month from date of commisioning or 18 months from date of despatch which ever is earlier	As per Technical specifications
2	GCC - 47 Pages/ Clause 8 No:	SPBG 10% of order value valid till end of warranty	Not applicable	Pls Refer SCC of the tender document - 13.1.3. It is 5% of Rate Contract Value.
3	Clause 73.6:	Latent Defect - 3 Years	Not applicable	As per Technical specifications
4	ENG-EHV-1045, Page no. 7 Clause 8	Type test Latest 5 years	We will submit type test for battery bank for hihget rating and for charger higher rating not type test will be conducted or prices will be loaded on our tender price	Type test reports of 100AH or 150AH of similar design will be acceptable. Valid TTR of higher rating charger of similar design, is also acceptable. All the Type tests should have been done within 5 years.
5	CCG,Page no. 16 Delivery Terms	Delivery period shall be 45 days from date of issuance of RO/ CAT- A approval, whichever is later	Material delivery will be 12-14 weeks from the date of drawing approval	Tender terms & conditions shall prevail.

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6	CCG,Page no. 16 Clause 13.3 Payment terms	100% Payment shall be made within 60 days after successful delivery of materials and submission of error free & duly certified invoice.	100% payment need to be done before despatch against PI	Tender terms & conditions shall prevail.

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1	TPCODL / CCG / 2023-24 / 1000000566, NIT/ CI 1.1 scope/ Rating of charger	24V/80A Thyristor based charger 48V/80A Thyristor based charger	As per TS, the charger rating 24V/40A and 48V/50A. Please confirm the exact rating Requirement. Further also confirm the configuration of charger required FC+ FCBC (dual Charger) or single Float cum Boost Charger	Refer Tender document for the exact requirement
2	ENG-GEN-4051 CI 4.0 sub cl 1.0	Input 415V, 3Phase	Since output power requirement is small <3.0kW per charger, single phase option may please be allowed. In case of three phase meeting protection requirement will be difficult due to very less current.	As per Technical specifications
3	ENG-GEN-4051 CI 4.0 sub cl 6.0	Efficiency ; 90%	For Thyristor controlled charger in 24V the efficiency shall be 70% and for 48V it will be 75% maximum	Efficiency >85%
4	ENG-GEN-4051 CI 5.8	User interface with controller	Local Interface: On Display. Remote over RS485modbus	MODBUS RTU over RS 485 for SCADA communication
5	ENG-GEN-4051 CI 11.0	Guarantee: 60/66months	May please be changed to 36months from supply for charger panel.	As per Technical specifications
6	ENG-GEN-4051 CI 18.0	Spares, Accessors, Tools	Spare list to be defined for uniformity if required as mandatory spares or other wise optional prices shall be provided by us which will not be part of evaluation or supplies.	A list of important spares to be recommended by manufacturer and to be supplied with the equipment. The quantities of spares shall be decided by the purchaser.
7	: ENG-EHV-1045 CI 4.0 GTR	24V/48V Batteries	Kindly confirm only 2V cells required or 12V Blocks are accepted. The life of 12V Blocks shall be generally 3years.	Only 2V cells are required
8	: ENG-EHV-1045 CI 11.0	Guarantee Period	No manufacturer provides 5years of Guarantee on Batteries. The guarantee shall be 12months for 12V Block Batteries and 24Months for 2V Cells maximum.	As per Technical specifications
10	TPCODL / CCG / 2023-24 / 1000000566 Clause 13.1 sub clause 6	Delivery : 45days from CAT-1 approval or RO date	Request for 90days from CAT-1 approval or RO receipt date.	Tender terms & conditions shall prevail.