

FORMAT F.1

Format for Query / Clarification / Deviation (QCD)

Tender No **TPCODL / CCG / 23-24 / 100000595**

Package Name

Bidder :

Note : The said format to be used only for any Pre-bid Query / Clarification/ Deviation on any of the Tender documents

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
1	2	3	4	5
1	Technical Specifications Page 4 of 16	GTP Clause 4.0	1. Please explain purpose of spare incomer 2. Shall spare incomer have separate busbar connection to outgoing or common busbar with main incomer mccb ? 3. In case of 2 separate incomer – mention type of interlocking to be provided? 4. In case of 2 separate incomer- indication lamp/MFM shall be common for both or 2 separate set? 5. Please explain purpose of local remote selector switch. 6. Whether on indication is required for all outgoing MCCB as well as MCB? 7. Rotary handle shall be provided for 2 incomer MCCBs only. Please confirm. 8. Please explain arrangement of outgoing MCCB and MCB, whether the same shall be door mounted arrangement or not?	Redundancy purpose Common Busbar shall be for both incomer with interlocking arrangements Both Electrical and Mechanical shall be provided as per tender specification clause no. 5.2 Separate for both incomers For Remote and Local operations. SCADA operation contacts shall be provided as per tender specification. ON indication is required only for Outgoing MCCB & TPN MCB Rotary handle shall be provided only for Incomer MCCB MCCB & MCB compartment shall be separate. Multiple MCB shall be mounted in one compartment. MCCB & MCB shall not be door mounted.
2	Technical Specification		HPL is not mentioned as approved make list under clause no. 4.2.17 of Doc No – ENG-LV-3021, While HPL is supplying MCCBs, MCCBs with DB since 2020 to TATA Power, Odisha. For ready references few R.O. numbers are mentioned herewith. 1.TPCODL/PROJ/RO/20-21/8766 DTD 10.12.2020 2.5000000874 DTD 30.10.2021 3.15000013203 DTD 20.02.2023 4.6200004453 DTD 05.12.2023 5.5000028603 DTD 08.01.2024	Shall be as per tender specification
3	Page 03 of 16 4.1.11	Temperature Rise The maximum permissible temperature rise for bus bar and terminals shall be 45 deg C & 65 deg C at an ambient temperature not exceeding 50deg C .G3:G6G3:G5G3:G6G3:G8G13G3:G9G3:G11G13G3:G9G3:G13G3:G12G3:G13G3:G11G3:G12G3:G13G3:G11G3:G13	As Per IEC standard The maximum permissible temperature rise 55deg C.	Shall be as per IEC/IS 61439
4	Page 04 of 16 4.2.1	Circuit Breaker Type / Rating (A) MCCB 250A, TPN & 3-Pole.	Kindly conform about MCCB whether it is TPN or 3-Pole.	MCCB shall be 3 pole
5	Page 04 of 16 5.1	General Construction The panel s shall be of Metal Clad compartmentalized, free standing, continuous from rear, modular type.	MCCB FEEDER shall be compartmentalized & Multiple MCB shall be mounted in one compartment.	MCCB & MCB compartment shall be separate. Multiple MCB shall be mounted in one compartment. MCCB & MCB shall not be door mounted.
6	Page 05 of 16 5.1	Civil Construction Work All foundation equipment, anchor bolts etc. including the supporting channel shall be furnished by successful bidder in advance for completion of Civil Works pri or to dispatch of panels.	Kindly conform Civil Construction Work scope. (Not in Our Scope)	Civil works not in BA Scope.
7	Page 06 of 16 5.2	Circuit Breaker The circuit breaker shall be MCCB. The I/Cs and B/C MCCBS shall be strictly withdraw able type, rest MCCBs/MCBS shall be fixed type	Kindly conform wheather Fixed type of MCCB can be provided for incomer too.	All MCCBs shall be fixed type.
8	Page 06 of 16 5.2	Circuit Breaker Electrical & Mechanical interlocks shall be provided for only incomers & Bus Coupler	Kindly conform for interlock only one type of interlock can be provided either Electrical Or mechanical.	Both Electrical and Mechanical as per tender specification clause no. 5.2

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9	Page 06 of 16 5.2	Circuit Breaker Electrical & Mechanical interlocks shall be provided for only incomers & Bus Coupler.	Kindly conform for interlock as only one incomer is used along with one spare incomer. Kindly conform whether any interlock is required or not.	Both Electrical and Mechanical as per tender specification clause no. 5.2
10	Page 06 of 16 5.2	Circuit Breaker The CB shall be spring operated, motor charged, and manually released spring closing mechanism with three pole simultaneous operations.	Kindly conform whether Manual type of MCCB can be provided for incomer or not.	Shall be as per tender specification
11	Page 06 of 16 5.3	Bus Bar Bus bars and all other electrical connections between various components shall be made of Aluminium of rectangular cross-section with current density of 1 A/mm ² , shall be suitable for 3 phase, 4 wire, 400 vol ts 50 Hz AC supply and have a fault withstanding capacity of 50 KA for 1 second.	Kindly conform fault level of Main bus bar as incomer fault level is 36kA. Also confirm fault level of connecting link between mccb to Vertical bus bar or Horizontal Bus bar.	Shall be as per tender specification
12	Page 07 of 16 5.4	Current Transformer The Current transformer shall be Epoxy Cast resin type and rated for 50KA (1 Sec)	Kindly conform for The Current transformer shall be Epoxy Cast resin type.	Shall be as per tender specification
13	Page 07 of 16 5.5.1	Measuring Instruments 3-phase, 4-wire LT CT operated static multifunction meter with associated CT's (400/5 A, Class 0.5S, 15 VA) shall be provided for or only incomers to record Current reading (Range -400A), voltage reading (Range 0-500V) and energy consumption. The multifunction meter shall necessarily have RS 485 Modbus serial port for communication with Purchaser SCADA. All meters shall be of flush mounting type with 96x96 sq. mm.	Kindly conform for meter Type whether it is Digital type MFM Or Static type MFM. All me	Shall be as per tender specification
14	Technical Specifications		1. Please clarify Incomer's MCCB's is withdrawable type or Fixed type.	All MCCBs shall be fixed type.
15	Technical Specifications		2. Incomer & Spare incomer have interlocking or not if have please clarify it is Mechanical or Electrical.	Both Electrical and Mechanical as per tender specification clause no. 5.2
16	Technical Specifications		3. Incomer & Spare incomer have manual on/Off operation or Automatic change over (Motorized MCCB's) please clarify	Incomer MCCB shall be spring operated, motor charged, and manually released spring closing mechanism with three pole simultaneous operations as per tender specification.
17	Technical Specifications		4. All outgoing's required on indication or not.	ON indication is required only for Outgoing MCCB & TPN MCB
18	QR	Bidder or OEM should have either executed 50% of total tender qty during last three financial years or single order of 25% of total tender qty during last three financial years or 2 orders of 15% each of total tender quantity for last 5 financial years. Copies of Purchase orders certifying the quantities has to be submitted along with the bid. Copy of work order / completion certificate to be submitted in this regard. the work orders and completion certificates must be endorsed by Indian Company	Tender Qty stands for the total Qty or value?	Tender Qty will be considered. Value will not be considered but the commodity must be any one i.e control panels, switchgear panels, similar type of ACDB, DCDB, any type of motorised panels consisted of incomer MCB / MCCB, indication lamps, local / remote control mechanism etc.