

Package Name: Rate Contract for Supply of 11KV 200A DD Fuse Unit & Fuse Barrel at TPSODL

Sr. No.	Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response
1	2	3	4	5
1	TECHNICAL SPECIFICATIONS/Pg-38 & Pg-39/Clause 7.0 /Type test, Routine Test & Acceptance test-DO Fuse Complete Assembly	DO fuse Type Test 16. Temperature Rise Test and Power dissipation measurement. 17. Breaking Test 18. Test for Time-Current Characteristics 19.Dielectric Test 20.Tests of Strikers 21. Dry Lightning Impulse withstand voltage Test 22.Wet Power Frequency Test 23.Dry Power Frequency Test 24.UV Test	Please note that the currently listed type tests are not entirely applicable to Drop-Out (DO) Fuses (Expulsion type fuses Class-2). As DO Fuses and Horn Gap (HG) Fuses share similar application constraints and field roles, we request that this clause be modified to include only the applicable Type Tests under IS 9385 (Part-1)—namely 1. Visual & Dimensional Check, Power Frequency Withstand Voltage Test (Dry), 2. Power Frequency Withstand Voltage Test (Wet), 3.Lightning Impulse Withstand Voltage Test 4.Temperature Rise Test. Furthermore, we request that the Routine and Acceptance Tests for DO Fuses be aligned exactly with those specified for HG Fuse sets 1.Dimension Test, 2.Galvanization Test, 3.Temperature Rise Test 4.Power Frequency Voltage Withstand Test, as this alignment was previously accepted in the pre-bid clarifications under tender NIT No. TPCODL/CCG/FY 26-27/1000009524. Kindly consider and allow this modification.	OK Accepted
2	TECHNICAL SPECIFICATIONS/Pg-35 & Pg-36/Clause 5.3 /Polymeric Insulator/Fuse base	Clause-5.3.2: The top and bottom current carrying parts shall be made of highly conductive copper alloy (99.9% pure) and the contact portion shall be tin plated for corrosion resistance and efficient current flow. The top contact shall have a socket cavity for latching and holding firmly the fuse holder Clause-5.3.4:The bottom assembly shall have hinge contacts made from highly conductive, anti-corrosive copper alloy and shall accommodate and make a firm contact with the fuse holder bottom assembly. The fuse holder shall be prevented from slipping out of the self-locking hinges during all operating conditions and only when the fuse holder has reached it's fully open position can it be removed from the hinge support.	It should be Brass as per previous tender of CCG NIT No. TPCODL/CCG/FY 26-27/1000009524 instead of 99.9% pure copper for DO Fuse contacts due to critical operational advantages MECHANICAL STRENGTH & ALIGNMENT:99.9% pure copper is highly ductile and soft, making it prone to bending and deformation under the harsh slam-shut and spring-loaded tripping impact of DO Fuse operations. Brass possesses significantly higher yield strength and hardness, ensuring long-term structural alignment. Highlighting these strength-related advantages, brass contacts were previously mentioned in the Technical Specifications of the earlier tender of CCG NIT No. TPCODL/CCG/FY 26-27/1000009524. WEAR RESISTANCE & ANTI-STICKING:Pure copper suffers from high frictional wear and can stick under continuous contact pressure, which can dangerously delay or prevent the fuse from dropping out during a fault. Brass offers high abrasion resistance and completely eliminates the risk of contact sticking. SPRING TENSION RETENTION: Copper relaxes quickly under thermal stress, leading to loss of clamping pressure and catastrophic arcing. Brass retains its elasticity and spring action even at elevated operating temperatures. CORROSION & ELECTRICAL COMPENSATION:To fully offset the lower raw conductivity of brass, the contacts will be heavily Electro-Silver Plated (minimum 10-15 microns). Because current transfer happens primarily at the surface interface, the silver-plated layer guarantees ultra-low contact resistance and prevents atmospheric oxidation, while the structural brass core ensures absolute mechanical reliability. The design strictly complies with standard temperature rise limits.	The current carrying contact parts shall be made of high-conductivity brass with tin plated contact surfaces and the hinges shall be made of high conductive, anti corrosive Copper alloy.
3	TECHNICAL SPECIFICATIONS/Pg-37/Clause 6 /Marking	6. MARKING: Name plate showing all technical parameters shall be provided on all equipments. Name plate shall be embossed with "PO no. with date", "TPCODL/TPWODL/TPNODL/TPSODL", "Code number" along with other technical parameters. The marking shall be made on fuse base, fuse carriers and fuse links as follows. i) On fuse base a) Manufacturer's name b) Type designation c) Class designation d) Rated Voltage e) Rated maximum current ii) On fuse carrier a) Manufacturer's name b) Rated Voltage c) Rated maximum current d) Rated Breaking current e) Rated Frequency The name plate of each functional unit shall be legible during normal service. The removable parts, if any, shall have a separate nameplate with the data relating to the functional units they belong to, but this nameplate only legible when the removable parts is in removed position	We accept the requirement to provide all specified technical parameters Manufacturer's Name, PO details, TPCODL/TPWODL/TPNODL/TPSODL, and Serial numbers however, due to the compact design and physical layout of the Drop-Out (DO) Fuse components there is absolutely no flat surface area or sufficient physical space available to mount a standard structural nameplate anywhere on these assemblies. Therefore, to ensure complete compliance with your data visibility requirements without compromising the mechanical operation of the equipment, it is kindly requested to consider and approve single permanent marking directly on the top contact cover of the fuse assembly, which provides the most stable, visible, and secure location for this required data. All details will be clearly and permanently marked as requested.	embossed/Laser marking shall be made on fuse base as per TPSODL spec
4	TECHNICAL SPECIFICATIONS/Pg-34/Clause 4, Sr No.-28/General Technical Requirements	Overall height of insulator including end terminals-306 +/-6 mm	Kindly clarify the required number of weather sheds to be considered for this tender—whether Total 8 Nos (4+4) or Total 10 Nos (5+5). Please note: • If 10 Nos weather sheds are considered, the overall insulator height will be 350 ± 15 mm • If 8 Nos weather sheds are considered, the overall insulator height will be 310 ± 15 mm.For both options, the creepage distance remains above the required 320 mm.Kindly confirm which height and weather shed configuration should be considered for this tender.	Total 8nos(4+4) is accepted as per type test report. However the creepage distance should be as maintained as per TS i.e., 320mm(min).