

TECHNICAL DELIVERY CONDITIONS

PROJECT : Mumbai Metro Cars L2 and L7

ITEM : Insulator Seat (525-81120)

Doc. No. : GR/TD/4938

Sl. No.	Clause Description	Compliance
1	The dimensions and specification of the Insulator shall be as per drawing 525-81120.	
2	The vendor should have supplied the component to the railway/metro application. Only approved vendors are considered for the supplies.	
3	The firm shall submit material test certificates viz. chemical and mechanical properties and its standard.	
4	Vendor shall provide the applicable standards used in the manufacture	
5	The vendor shall submit their detailed 2D drawing & 3D catia/Stp. The drawing should be legible and only in English Language.	
6	Supplier shall incorporate the material characteristics and properties in the drawing.	
7	All the characteristics in the drawing should be duly verified by physical testing and certified.	
8	Calibration certificates of all the test equipments to be submitted.	
9	Any applicable type tests and routine test procedures shall be submitted to M/s BEML for due approval.	
10	Type test(s) shall be performed only after due approval of test procedures by M/s BEML and reports shall be submitted before batch production.	
11	Routine test check-sheet/reports for each part should be submitted along with the supplies.	
12	Insulator seat shall be packed safely in order to avoid damage during transit and storage.	
13	QAP: The vendor shall issue the QAP in accordance with the relevant Quality System and the Employer's Requirements, and submit it to BEML for approval. Following content shall be included in the QAP: <ul style="list-style-type: none">• Process Control• Purchasing• Quality Audit• Inspection and Test Plan (ITP)• Quality Record• Design Control• Nonconformity control• Inspection and Test procedure	
14	ITP shall be submitted to the BEML within 2 weeks from purchase order placement date. It shall include at least the following: <ul style="list-style-type: none">• Sequence of inspection/testing activities	

	<ul style="list-style-type: none"> • Inspection and testing requirements of either activities or materials • Acceptance criteria or relevant specification • Level of inspection required including the provision for witnessing by BEML and/or End User/his Representative • Any certification requirements or records to be kept; and • Records of any non-conformance identified during inspection or testing 	
15	Coating: Vendor shall submit the coating specification if applicable subject to approval of BEML.	
16	Warranty of 35 years shall be provided.	
17	O & M: The subcontractor shall support BEML in meeting timelines for submission of manuals	
18	The supplier shall submit the complete manufacturing process flow chart	
19	The supplier shall submit confirmation for the above points along with their technical offer.	
20	Any deviation for the above clauses is liable for rejection	



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