

RAIL COACH FACTORY KAPURTHALA

Dated : 14.09.2019

Sub: Issue of specification no. MDTS-45330 Rev-'0', Schedule of requirements of Honeycomb Partitions Frames with Composite Decorative Glass Reinforced Plastics (DGFRP)

Please find enclosed a copy of specification no. MDTS-45330 Rev-'0' for schedule of requirements of thermal insulation for Honeycomb Partitions Frames with Composite Decorative Glass Reinforced Plastics (DGFRP), for information and necessary action at your end.

My 14/09/2019
Dy CME/D-II

CQM, CPLE, CWE (FUR), CMM/HSQ, CMM/TKJ, Dy. CMM/Fur/LHB, CMT, DY.CPLE-III, Dy CME/D-1

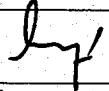


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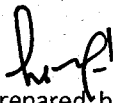
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
CDE

SPECIFICATION	SCHEDULE OF TECHNICAL REQUIREMENTS FOR HONEYCOMB PARTITIONS FRAMES WITH COMPOSITE DECORATIVE GLASS REINFORCED PLASTICS (DGFRP)	MDTS 45330 Rev-Nil Dated 30.07.2019 Page 1 of 3
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NAME	DESIGNATION	SIGNATURE	DATE	LEVEL
Harish Kumar	SSE/Dev		30/7/19	Prepared
Abhey Dogra	Dy CME/D-II		30/08/19	Agreed & Reviewed
Manish Bhimte	CDE		2.8.19	Approved

Issue / Rev.	Details of changes	Date


Prepared by


Agreed By

16/1

SPECIFICATION	SCHEDULE OF TECHNICAL REQUIREMENTS FOR HONEYCOMB PARTITIONS FRAMES WITH COMPOSITE DECORATIVE GLASS REINFORCED PLASTICS (DGFRP)	MDTS 45330 Rev-Nil Dated 30.07.2019 Page 2 of 3
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1. General:

This specification covers the general & technical requirements of honey comb partition with composite decorative glass fabric reinforces plastic (DGFRP) to be used as partition frames in passenger coaches of Indian Railway.

This schedule draws reference to some of the relevant MDTS, ISO, UIC and other Indian Standard specification. The latest version of the relevant specifications should be taken as reference.

2. Technical Requirements :

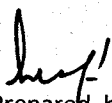
- i. The outer layer shall be 2 mm thick made up of composite decorative glass fabric reinforced plastic (DGFRP) to MDTS-46303 on each side. The DGFRP shall be provided with printed or plain decorative film on the outer surface. Color and finish shall be as per drawing or mentioned in the Purchase order.
- ii. Inner core shall be of aluminium honeycomb and as per designation 06-08-1270-(AI 52000)P-T of IS:11642 (Part-I)-1986.
- iii. Steel inserts are required to be provided at the locations mentioned in the drawings. Steel inserts shall be phosphated and painted with epoxy primer as per RDSO spec. no. PCN-100 before insertion. Inserts 's material shall be as mentioned in the drawings. Resin to be filled all around the inserts.
- iv. Shape, size, overall thickness of panels shall be as per drawing.
- v. Geometric tolerances for squareness of individual partition frame shall be within 1mm in 1000mm as per IS:8000 (Pt-1).
- vi. In case of any mismatch with process of manufacturing, process/details mentioned in specification shall be final.
- vii. User friendly & fire proof adhesive are to be used for bonding of composite panels.
- viii. Complete partition frame panels shall be tested and meets parameters mentioned in IS:11642 (Pt-II) .
- ix. The firm shall have requisite infra-structure in-house as mentioned in Section-B of MDTS-46303 and MDST-111.

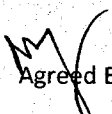
3. Packing:

The material shall be packed in neat and dry conditions. The material shall be securely packed so as to ensure safe transportation.

4. Marking:

Before dispatch, each pack shall be legibly marked with indelible marking ink/paint showing the following details:


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- Nomenclature of the store
- Quantity packed. (Total metrage).
- Lot and serial number.
- Month and year of packing.
- Name and trade mark of the manufacturer.
- Name and address of the consignee.

5. Prototype approval:

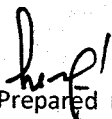
Tenderer shall submit one prototype sample of at least 300x 300 mm size for approval including color, pattern and finish from CDE/RCF for PO placed by RCF or to user railways for PO placed by them, before bulk supply along with technical data sheet, test certificate from NABL/Internationally Accredited Labs regarding value mentioned in the specification.

The prototype approval is applicable on the first supply of material as per this specification from a supplier. RCF will do prototype approval for POs placed by RCF only.

Above approval for PO placed by Users Railways is to be done by them.

6. Warranty:

The supplier shall give warranty for failing or proving unsatisfactory in service due to defective deign, material or workmanship within 84 months from date of supply or 72 months from date of fitment whichever is earlier and shall replace the same at his own cost and risk.


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