



LME:012: C

LOCOMOTIVE ENGINEERING DEPTT.

PURCHASE SPECIFICATION

LME/ PUR/ 207
 ISSUE DT: 28.11.06
 REV.NO.00
 REV. DT:
 SHEET 1 OF 3

SUBJECT:

Purchase specification for shielding outer wrap for high temperature

Enclosures:

Rev	Date	Prepared	Rev	Date	Prepared	Rev	Date	Prepared
00		Approved			Approved			Approved
Rev	Date	Prepared	Rev	Date	Prepared	Rev	Date	Prepared
		Approved			Approved			Approved

Prepared by :

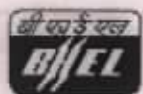
Checked by :

Approved by :

05/11/08

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कार्यालय प्रति
 एल०एम०ई०-इंजिग वाल्ट
 दिनांक 23 JAN 2008



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GENERAL:

This specification covers the technical requirements of the shielding outer wrap to be provided for sealing of joints of aluminium heat insulation cladding wrap on diesel engine exhaust pipe line in our locomotive.

This insulation wrap shall have property of not allowing the heat to get leaked from joints and consecutive wrap of the heat insulation cladding. On the one face of its wrap it will have adhesive to bind the consecutive wrap of the heat insulation cladding on the exhaust pipeline. This is a must in the locomotive because the temperature in the cabin should not go high even up to around 400 deg Celsius. The exhaust temp being so high, heat insulation is a must to bring down the maximum temperature inside hood to the level such that equipments inside the hood can be inspected properly.

Technical features:

1. The heat insulation wrap has to be super soft aluminium foil laminated to glass cloth and one face shall have adhesive.
2. The wrap shall be in strip form.
3. The adhesion to steel (g / 25cm) shall be 1000 minimum.
4. The tensile strength (Kg / 25mm) shall be 35 minimum.
5. The elongation (%) shall be 10 minimum.
6. Temperature resistance:
Continuous- suitable for -60 to + 180 deg Celsius.
Peak loads- suitable for short periods at higher temperature. E.g. between -80 to +450 deg Celsius.
7. Dimensions:
Standard length per roll = 20 M.
Standard width = 70 cms.
8. The item should not to be flammable. Also, it should have resistance to oil & alkali and should pass test as per PSTM 384 & 385 respectively.
9. The cladding should not corrode the item on which it has been wrapped.
10. Item must be in ready to use form.
11. All parties shall have to produce the test and certify the item to meet the criteria.
12. While using the item for the first time supply, the party shall have to guide us at our works.

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Documents to be submitted alongwith offer:

1. Complete technical details.
2. List of the companies to which identical items already supplied and the application for which the items were supplied.
3. Previous test results.

Documents to be submitted alongwith supply:

1. Test results and certificates.
2. Warranty certificate for use of the item for 2 years from date of supply.

Prepared by :

Checked by :

Approved by :

04/1/08