

LME:012: C

LOCOMOTIVE ENGINEERING DEPTT.
PURCHASE SPECIFICATIONLME/ PUR/ 208
ISSUE DT:28.11.06
REV.NO.00
REV. DT:
SHEET 1 OF 3**SUBJECT:****Purchase specification for heat insulation cladding on engine exhaust pipeline****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 :

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कार्यालय प्रति
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दिनांक 23 JAN 2008



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GENERAL:

This specification covers the technical requirements of the heat insulation cladding to be wrapped on the exhaust pipeline of the Diesel engine, being used on our locomotive. This insulation cladding 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 cladding has to be special fiber mat covered from all sides with an aluminized glass fabric and duly sealed with an aluminized glass cloth tape.
2. The average cladding thickness shall be 12mm +/- 3 mm.
3. The temperature of cold face shall not be more than 85-90 deg Celsius when hot face temperature is 450 deg Celsius.
4. Temperature resistance:
Continuous- suitable for -30 to 450 deg Celsius.
Peak loads- suitable for short periods at higher temperature. E.g. between -70 to +550 deg Celsius.
5. Dimensions:

Standard length per roll = 7.2 M.

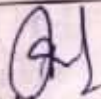
Standard width = ~~60 cms~~ 4" 

6. 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.
7. The cladding should not corrode the item on which it has been wrapped.
8. Item must be in ready to use form.
9. All parties shall have to produce the test and certify the item to meet the criteria.
10. While using the item for the first time supply, the party shall have to guide us at our works.

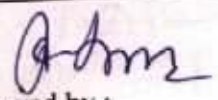
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Documents to be submitted alongwith offer:

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.

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Approved by :

05/11/08