

WAP / M / SPECN / 01 / 054 / 1994

ALT



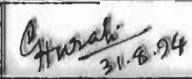
DATE

AUTHORITY

GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS

SPECIFICATION FOR  
HIGH ALUMINA MORTAR TO BE USED  
ALONG WITH B.T.A. BASED BRICKS  
PL No 84970340

ISSUED BY  
MECHANICAL DRAWING OFFICE  
WHEEL AND AXLE PLANT YELAHANKA  
BANGALORE

		 31.8.94
Dy. CME/WII	WM/MELT	SUPDT./DES
APPD. BY	CHD. BY	PREPD. BY

**1.0** Scope :

The Specification covers the manufacture and supply of HIGH ALUMINA MORTAR TO BE USED ALONG WITH BTA BASED BRICKS to Wheel and Axle Plant, Yelahanka, Bangalore - 560\_064, Karnataka State, India as per Instructions and Conditions of Contract.

**2.0** Description:

High Alumina Mortar to be used along with B.T.A. based Bricks.

**3.0** Job requirement:

High Alumina Mortar as described in 2.0 is required for Lining of Ladle with B.T.A. based Bricks for carrying Molten Carbon Steel.

**4.0** Restrictive characteristics:

4.1	% Al <sub>2</sub> O <sub>3</sub> (Min)	:	80.0
4.2	% Fe <sub>2</sub> O <sub>3</sub> (Max)	:	1.0
4.3	PCE(Orton) (Min)	:	36 (1804 <sup>o</sup> C)
4.4	Grain size (mm)	:	0-0.5
4.5	Setting	:	Air Setting
4.6	% Water required for trowelling consistency	:	25 - 30
	Transverse Strength (Kg/Cm <sup>2</sup> ) (Min)		
4.7	at 110 <sup>o</sup> C	:	10.0
4.8	at 1400 <sup>o</sup> C	:	40.0

**5.0** Inspection:

Test Certificate should accompany with the consignment.

**6.0** Packing:

The High Alumina Mortar shall be supplied in un-damaged Gunny Bags of capacity 50 Kgs.

A. A. [Signature]	[Signature]	[Signature] 31.8.94
Dy. CPE/W II	MM/MELT	SUPDT/DES.
APPROVED BY	CHD. BY	PREPD. BY