

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

FOUNDRY DIVISION

DS NO : FYM/017

DEPARTMENT PURCHASING SPECIFICATION

REV. NO : 01

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MAGNESITE CEMENT

1) GENERAL :

This specification governs the requirement of Magnesite cement for lining of Basic Electric Arc Furnace.

2) APPLICATION :

Magnesite cement is used in dry form for Body lining of Electric Arc Furnace and paste with water is made for cementing work of the R/c arch, suitable for Steel melting operations.

3) COMPLIANCE WITH NATIONAL STANDARD :

There is no national standard in compliance with the above standard.

4) CHEMICAL COMPOSITIONS :

The material shall conform to the following composition:

MgO	:	35.0% (Min.),
CaO	:	2.5% (Max.),
SiO ₂	:	6.5% (Max.),
Fe ₂ O ₃	:	3.0% (Max.),

5) SHAPE ANALYSIS :

90% of the powdery material shall pass through 200 Mesh.

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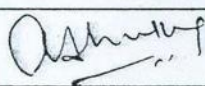
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6) TESTING AND APPROVAL :

The material shall be accompanied by supplier's TC for chemical composition. Trial for grains size shall be done at Sand testing laboratory as per Cl. 5.

7) PACKING :

Standard packing in 50 Kg. polythene lined gunny bags shall be done and care shall be taken to avoid damage during transits.

PREPARED BY		CHECKED BY		APPROVED BY	
SIGN.		SIGN.		SIGN.	
DATE	20/3/06	DATE	20/3/06	DATE	27/3/06