

PLANT PURCHASE SPECIFICATION

(CFFP - HARDWAR)

FF 05005 Rev 4

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HIGH CARBON FERRO MANGANESE-

1. SCOPE

This specification governs the quality of High carbon Ferro Manganese with the following requirements.

2. APPLICATION

The material shall be used as alloying addition for manufacturing of alloy steel.

3. CONDITION OF DELIVERY

- A) The size should be in the range of 50-150 mm. However oversized or undersized material should not exceed 10% each by weight.
- B) For multi hopper system

 The size should be in the range of 20-40 mm. However oversized or undersized material should not exceed 10% each by weight.

4. COMPLINCE WITH NATIONAL STANDARDS

The specification in general is based on Indian standards specification IS 1171-1996; Grade: FeMn76.

5. FREEDOM FROM CONTAMINATION

The material shall be free from extraneous contamination such as slag.

6. CHEMICAL COMPOSTION

The material shall conform to the following chemical composition when it is analyzed in accordance with IS: 1171-1996.

% MIN	%MAX
6.00	8.00
74	78 .
	1.5
-	0.05
-	0.35
	6.00 74 -

RMI	S.N.GHOSH	1 amount	WORKED BY	M.K.SAHU	When
MPIC	SHYAM BABU	anguil	CHECKED BY	RANJAN .	1 Lawjan
CHAIRMAN GPSC	K.B.SUBRAMANYAM	Hers manyain	SUPER VISED BY	SVS NARAYANA	and out of the
			APPROVED : PLANT S	TANDARDS COMM	1ITTEE "
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RANJAN

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Electrical and to the	 7. INSPECTION CFFP reserves the right to witness the testing of the material therefore the supplier shall notify the readiness of the material in a CFFP may, at its discretion, test the material after receipt and acc will be based on the CFFP's test results. For any deviation from this specification prior approval shall be ta For result of analysis and properties of material the decision of C binding on the supplier. If the material is not conforming to this specification, it is liable supplier shall replace the same. 	dvance. eptance of ken by the CFFP shall	f the mater e supplier. I be final a	rial
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Blectrical Limited It must not be used directly or indirectly in any way detrimental to the interest of the company	8. TEST CERTIFICATES One Original and three copies of Test Certificate from the original manufollowing information should be provided. Manufacturer's Name Name of the material Batch/Lot No. Quantity. Note: a) A manufacturer supplying directly to BHEL should include BHChallan No. also in the TC.			the
	b) Any other supplier should provide a covering letter along with Manufacturer's TC as above mentioning BHEL's P.O. No. and 9. PACKING AND MARKING		No.	
	Packing should be such as to prevent loss / deterioration in quality during storage. It should be in the original manufacturer's packing. Each pack with the following details. Name of the material Manufacturer's Name / Trade mark Batch/Lot No. Net weight.			
	. M.K.SAHU		1. 21/20	100

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REVISION RECORD SHEET

SN	Revision No.	Revision date	Nature of Changes		
01.	04 07.09.2009		-Clauses 8 and 9 revised incorporating requirement of manufacturer's packing and Test certificate.		
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	GENTRO	1,30			
	Carbing	5.94			

ISSUED BY:	SMS		WORKED	M.K.SAHU	Ische
REVISION	04	DATE: 07/09/09	CHECKED	RANJAN Q	nofan
AGREED	PLANT P	UR. SPEC.COMMTTEE	APPROVED	P.P.S.C.	