



संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार)

FF 05008

Rev 04

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PLANT PURCHASE SPECIFICATION
(CFFP - HARDWAR)

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HIGH CARBON FERRO CHROME

1. SCOPE

This specification governs the quality of High Carbon Ferro Chrome with the following requirements.

2. APPLICATION

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

3. CONDITION OF DELIVERY

Size Class/ Designation: Class 1 (50-150mm)

4. COMPLIANCE WITH NATIONAL STANDARDS

The material should conform to Indian standard specification
IS 1170-1992; Grade: 7FeCr-65

5. FREEDOM FROM CONTAMINATION

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

6. MANUFACTURE

The process of manufacture of High Carbon Ferro Chrome is left to the discretion of supplier.

7. CHEMICAL COMPOSITION


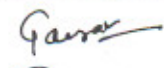
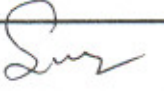
When the material is analyzed in accordance IS : 1170-1992 shall have the following composition:

Element	% Min	% Max
Carbon	6.0	8.0
Chromium	60	70
Silicon	-	2.0
Sulphur	-	0.05
Phosphorus	-	0.05

8. SAMPLING METHOD FOR CHEMICAL ANALYSIS

The sampling of material shall be done in accordance with IS 1472-1977.

हस्ताक्षर एवं तिथि SIGN & DATE	नाम NAME	दिनांक एवं हस्ताक्षर SIGNATURE & DATE
QM	K.B.SUBRAMANAYAM	
MPIC	K.B.SOOD	
QM(HEAD)	B.RAHA	
सहमत विभाग AGREED DEPTT	नाम NAME	हस्ताक्षर एवं तिथि SIGNATURE & DATE
संस्थान मानक समिति APPROVED : PLANT STANDARDS COMMITTEE		
निर्माण : १९९० १९९० १९९० जारी : १९९० १९९० १९९० PREPARED : SMS TECHNOLOGY ISSUED : SMS TECHNOLOGY		
दिनांक : 20-10-06		

SIGN & DATE SIGNATURE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार) CONTROLLED COPY PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)	FF 05008 Rev 04	
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SUPERSEDES INVENTORY NO इसकी सूची संख्या को अधिलेखित करना है	<p>9. INSPECTION AT SUPPLIER'S WORKS</p> <ul style="list-style-type: none"> CFFP/BHEL reserves the right to inspect the material after / before dispatch. Therefore the supplier should intimate in advance enclosing a copy of test certificate of the material offered for inspection. Final inspection will be done at CFFP. For any deviation from this specification prior approval of CFFP shall be taken For results of analysis and properties of material the decision of CFFP shall be final and binding on the supplier. If the material is not found suitable according to the requirements, it shall be replaced free of cost by the supplier. <p>10. CLEARANCE FOR DELIVERY</p> <p>Objections shall be raised in case the material does not confirm to the condition specified in specification whereby the deviations interfere to significant extent with use of the material.</p> <p>The clearance does not release the supplier from the responsibility for non-conformance determined later on.</p> <p>11. TEST CERTIFICATE</p> <p>The supplier shall furnish 4 copies of test certificates unless otherwise specified in purchase order. The test certificate must contain the following and must reach BHEL before or along with the material.</p> <p>11.1 BHEL Reference</p> <p>11.1.1 Material Specification.</p> <p>11.1.2 Purchase Order No.</p> <p>11.2 Supplier Reference</p> <p>11.2.1 Supplier's name or emblem.</p> <p>11.2.2 Material Batch No. and Serial No.</p> <p>11.2.3 Container size and weight of material</p> <p>11.2.4 Test Results of Chemical analysis.</p> <p>11.2.5 Size of material.</p> <p>12. PACKING & MARKING</p> <p>The material shall be packed suitably in moisture proof 50 Kgs. Net wt. jute bag or as specified in purchase order to prevent damage/ contamination during transportation.</p> <p>Each bag must be identified through a stencil mark/painted showing following details:-</p> <p>Supplier's name or emblem. Material Name P.O. No and Lot no. Net wt. of material</p>			
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स्वतंत्राधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत भारी इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग केवल अग्रलिखित उद्देश्य के लिए ही किया जा सकता है।				
SIGN & DATE SIGNATURE				
INVENTORY NO. इसकी सूची संख्या	Date: 20.10.06	निर्माणकर्ता WORKED BY	GAURAV KUMAR	
		जांचकर्ता CHECKED BY	L.K. KHANDELWAL	

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REVISION RECORD SHEET

S. No.	Revision No.	Revision date	Nature of Changes
01.	04	20.10.2006	CLAUSES 3 AND 7 MODIFIED.

ISSUED:	SMS TECHNOLOGY	WORKED	<i>Gaurav</i>
REVISION	04 DATE: 20.10.06.	CHECKED	<i>Singh</i>
AGREED	PLANT PUR. SPEC.COMMTTEE	APPROVED	P.P.S.C