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LOW CARBON LOW CHROMIUM FERRO CHROME

**1. SCOPE**

This specification governs the quality of Low carbon low Chromium Ferro Chrome Lumps.

**2. APPLICATION**

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

**3. CONDITION OF DELIVERY**

The size should be in the range of 10-50 mm. However oversized material should not exceed 10% by weight and undersized material should not exceed 15% by weight.

**4. COMPLIANCE WITH NATIONAL STANDARDS**

The specification in general is based on Indian standards specification IS 1170-1992.

**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: 1559. Composite sample shall be prepared by drawing samples from each Consignment of 1000Kg or part thereof.

ELEMENT	% MIN	%MAX
Carbon	-	0.10
Chromium	60	65
Silicon	-	2
Sulphur	-	0.05
Phosphorus	-	0.05

Trace elements are for information purpose only.

The test results are to be rounded off as per IS 2-1960 (reaffirmed 2000).

PURCHASE	RANJAN KUMAR	<i>Ranjana</i>	WORKED BY	M K SAHU	
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			APPROVED :	<b>PLANT STANDARDS COMMITTEE</b>	
			PREPARED :	SMS TECH	ISSUED : Steel Melting Shop
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# PLANT PURCHASE SPECIFICATION

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## 7. INSPECTION AT SUPPLIER'S WORKS:

- CFFP reserves the right to witness the testing of the material at supplier works and therefore the supplier shall notify the readiness of the material in advance.
- CFFP may, at its discretion, test the material after receipt and acceptance of the material will be based on the CFFP'S test results.
- Supplier shall ensure that the material is free from extraneous material. The material shall be rejected if it is not free from extraneous material.
- For result of analysis and properties of material the decision of CFFP shall be final and binding on the supplier.

## 8. TEST CERTIFICATES

One Original and three copies of Test Certificate from the **Manufacturer** containing the following information **along with test result of clause 3 and the chemical composition as per clause 6** should be provided.

Manufacturer's Name

Name of the material

Quantity.

Note:

- A manufacturer supplying directly to BHEL should include BHEL's P.O. No. and Challan No. also in the TC.
- Any other supplier should provide a covering letter along with original Manufacturer's TC as above mentioning BHEL's P.O. No. and Challan No. Supplier shall give packing details of the material in the guarantee certificate.

## 9. PACKING AND MARKING

The material shall be packed such as to prevent loss / deterioration in quality during handling, transport and storage. It should be in the manufacturer's packing. Each package should be marked with the following details.

Name of the material

Manufacturer's Name / Trade mark

Net weight.

## 10. REFERRED STANDARDS

IS: 1170 -1992, IS: 1559

WORKED BY

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