



# PLANT PURCHASE SPECIFICATION

(CFFP - HARDWAR)

**FF 05069 Rev 0**

Page 1 of 2

## NITRIDED L.C FERRO CHROMIUM

### 1. SCOPE

This specification governs the quality of **Nitrided L.C Ferro Chromium** with the following requirements.

### 2. APPLICATION

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

### 3. CONDITION OF DELIVERY

The material shall be supplied in 10-50 mm size. However oversized shall not exceed 10% by weight and undersized material shall not exceed 15% by weight.

### 4. COMPLIANCE WITH NATIONAL STANDARDS

The material in general is based on Indian standards specification IS 1170-1992;  
Grade: Fe Cr 64 N 300

### 5. FREEDOM FROM CONTAMINATION

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

### 6. CHEMICAL COMPOSITION

The material shall conform to the following chemical composition when it is analyzed in accordance with IS: 1559-1961. Other residual elements may not be reported.

ELEMENT	% MIN	%MAX
Chromium	60	67
Nitrogen	2.0	4.0
Silicon	-	1.0
Carbon	-	0.10
Sulphur	-	0.05
Phosphorus	-	0.05
Aluminum	-	0.1

### 7. SAMPLING METHOD FOR CHEMICAL ANALYSIS:

Each batch of the material shall be sampled in accordance with blended lot(3.2.3) of IS 1472: 1977, reaffirmed in 2001. All the test results are to be rounded off as per IS 2-1960.

RMI	S.N.GHOSH	<i>[Signature]</i>	WORKED BY	M.K.SAHU	<i>[Signature]</i>
MPIC	N.K.VERMA	<i>[Signature]</i>	CHECKED BY	RANJAN	<i>[Signature]</i>
CHAIRMAN CPSC	R PARTHASARTHY	<i>[Signature]</i>	SUPERVISED BY	S.V.,S NARAYANA	<i>[Signature]</i>
			APPROVED :	<b>PLANT STANDARDS COMMITTEE</b>	
			PREPARED :	SMS TECH	ISSUED : Steel Melting Shop
					DATE : 17.03.10

COPYRIGHT AND CONFIDENTIAL  
 The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.



# PLANT PURCHASE SPECIFICATION

FF 05069 Rev 0

(CFFP - HARDWAR)

Page 2 of 2

## 8. INSPECTION

- 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.
- For any deviation from this specification prior approval shall be taken by the supplier.
- For result of analysis and properties of material the decision of CFFP shall be final and binding on the supplier.
- If the material is not conforming to this specification, it is liable to be rejected and the supplier shall replace the same.

## 9. TEST CERTIFICATES

One Original and three copies of Test Certificate from the original manufacturer containing the following information should be provided.

Manufacturer's Name and Address

Name of the material

Date of manufacture

Batch No.

Lot Size

Packing size details

All parameters mentioned in clause 3,5 and 6

Quantity.

Note:

- a) A manufacturer supplying directly to BHEL should include BHEL'S P.O. No. and Challan No. also in the TC.
- b) 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.

## 10. PACKING AND MARKING

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

Name of the material

Manufacturer's Name / Trade mark

Batch No.

Net weight.

WORKED  
BY

M.K.SAHU

CHECKED  
BY

RANJAN

  
4/3/10