



FERRO ALUMINIUM (Fe-Al)

**1. SCOPE**

This specification governs the quality of Ferro Aluminum with the following requirements.

**2. APPLICATION**

The material shall be used for manufacturing of steel.

**3. CONDITION OF DELIVERY**

The material shall be supplied in lumps of size 20-60 mm.

**4. COMPLIANCE WITH NATIONAL STANDARDS**

There is no national standard for Fe-Al.

**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.

ELEMENT	% MIN	%MAX	Test method
Al	35	40	As Per IS 504
Si	0.1	4	As Per IS 504
Fe	60	65	As Per IS 1612

PURCHASE	RANJAN KUMAR	SMS TECHNOLOGY	RANJAN
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		APPROVED : PLANT STANDARDS COMMITTEE	
		PREPARED : SMS TECH	ISSUED : Steel Melting Shop
		DATE : 24.12-10	

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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 contamination. The material shall be rejected if it is not free from extraneous contamination.
- 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) 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. The supplier shall give the packing details in the guarantee certificate.

## 9. PACKING AND MARKING

The material shall be packed in 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. REFFERED STANDARDS

IS: 504, IS : 1612

WORKED  
BY

RANJAN

*Ranjana*

24/12/10

*Handwritten signature and date: 27.12.10*



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## REVISION RECORD SHEET

SN	Revision No.	Revision date	Nature of Changes
01.	01	07.09.2009	- Clauses 8 and 9 revised incorporating requirement of manufacturer's packing and Test certificate.
02.	02	24.12.2010	- Clause 4: There is no IS for Fe-Al, Hence IS 1387 removed. - Clause 6: testing of Al, Si and elemental Fe shall be done as per IS 504 and IS 1612. - Clause 8 & 9: Batch no and lot no removed.

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WORKED BY

RANJAN

*Ranjan* 24/12/10

*412/2010*  
29/12/10