

PRE- QUALIFICATION REQUIRMENT FOR FERRO NIOBIUM

Enquiry No.: 5008 P/930/0/0146 A1 Dtd. 10.11.2020

Item : Ferro Noibium

Qty : 3 Mt

PRE-QUALIFICATION REQUIREMENT:

The participated vendor must have **supplied** minimum 600 Kg of **Ferro Noibium** with min. 60% Noibium content in one financial year within a period from date 01.04.2015 to the date of opening tender.

As a supporting document to Point (1) following has to be provided:

- a) **Proof of Order**: Copy of Purchase Orders/Purchase Agreement etc.
- b) **Proof of supply** : Copy of Invoice/BL Copy/any other document to confirm supply of material against above Purchase order.
- c) **Proof of Quality**: Copy of Test certificate/Specification etc. (Required if, **Noibium** Content is not mentioned on Purchase Order/Invoice copy etc.)

Sign & Stamp of bidder



PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)

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FERRO NIOBIUM

1. SCOPE

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

2. APPLICATION

The material shall be used as alloying addition for the melting and refining of special 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 undersize material should not exceed 5% by weight.

4. COMPLIANCE WITH NATIONAL STANDARDS

The specification in general is based on Indian standards specification IS 3014-1993 (Reaffirmed 1999), Grade: FeNb65.

5. FREEDOM FROM CONTAMINATION

The material shall be 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 any national/ international method. The sampling shall be done as per IS: 1472.

ELEMENT	% MIN	%MAX
Niobium	60	70
Tantalum	-	0.5
Aluminium	-	2.0
Silicon	-	4.0
Titanium	-	1.0
Carbon	-	0.3
Phosphorus	-	0.1
Sulphur	-	0.1
Tin	-	0.05
Iron	-	Balance

RMI	S.N.GHOSH	WORKED BY	M.K.SAHU
MPIC	SHANTANU	CHECKED BY	RANJAN
CHAIRMAN CPSC	R.PARTHASARATHY	SECRETARY PPSC	Dr.M.S.RAWAT
APPROVED : PLANT STANDARDS COMMITTEE			
PREPARED By: SMS TECH		ISSUED : Steel Melting Shop	DATE :18/08/10



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7. INSPECTION

- CFFP reserves the right to witness the testing of the material at supplier works either by CFFP or by CFFP authorized representative (including any Third Party Inspection) 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.

8. TEST CERTIFICATES

One Original and three copies of Test Certificate from the **Manufacturer** containing the following information **along with test result of clause 3,5 and the chemical composition as per clause 6** should be provided.

Manufacturer's Name

Name of the material

Batch/Lot No.

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.

9. PACKING AND MARKING

The material shall be packed & sealed in **Tamper Proof Metallic drum** 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

Batch/Lot No.

Net weight.

10. REFERRED STANDARDS

IS: 3014 -1993, IS: 1472.

WORKED
BY

M.K.SAHU

M.K. Sahu

18/8/10

CHECKED
BY

RANJAN

Ranjan

18/8/10

U. N. Singh
18/08/10