

**ALUMINIUM NOTCHED BARS AND SHOTS****1.0 GENERAL:**

This specification governs the quality requirements of Aluminium Notched Bars and Shots for use in steel melting shops.

2.0 APPLICATION:

Used as a deoxidiser of steel, in steel melting process.

3.0 CONDITION OF DELIVERY:

When supplied as notched bars, the weight of each bar shall be 1 to 1.5 kg or mutually agreed upon by BHEL and supplier.

4.0 SHOTS:

When supplied as shots, the grain size of each shot shall be 3 to 8 mm.

5.0 FREEDOM FROM DEFECTS:

The material shall be free from dress, slag and other harmful contaminants. The surface of the material shall be free from heavy oxidised coating.

6.0 TEST SAMPLE:

As per IS: 1817.

7.0 CHEMICAL COMPOSITION:

The material, when analysed in accordance with IS: 504, shall have the following composition.

Aluminium	:	99% minimum
Zinc	:	1% maximum

8.0 INSPECTION AT SUPPLIER'S WORKS:

Whenever specified, tests and inspection are to be conducted in the presence of BHEL's representative.

The supplier shall offer BHEL's representative all reasonable facilities, without charge to satisfy the latter that the material is being furnished in accordance with this specification. The supplier shall prepare and provide necessary test specimens for testing to be carried out at his premises. If facilities are not available at his works, the supplier shall make necessary arrangements for carrying out the prescribed tests elsewhere. The supplier shall notify BHEL in advance about the readiness of the material for inspection and testing.

BHEL reserves the right to test the material at BHEL's work and the final acceptance of the material shall be based on these test results.

Revisions :

Cl: 19.9.10 of MOM of MRC-FN

APPROVED :

INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (FN)

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**9.0 TEST CERTIFICATES:**

Unless and otherwise stated, three copies of certificates shall be supplied along with each consignment giving the following information.

In addition the supplier shall ensure to enclose one copy of test certificate along with their despatch documents to facilitate quick clearance of the material.

AA 113 14 (Rev. No. 01) : Aluminium Notched Bars and Shots.

BHEL order no.

Manufacturer's / supplier's name.

Batch no.

Quantity Supplied.

Test results of clause 4.0 and 7.0.

10.0 PACKING AND MARKING:

The material shall be packed in air tight, moisture proof steel drums of 50 kg each. Each container shall be legibly marked or labelled with the following information.

AA 113 14 : Aluminium Notched Bars / Shots.

BHEL Order No.

Manufacturer's / supplier's name.

Batch no.

Net weight of each packing.

10.0 REJECTION AND REPLACEMENT:

If the material does not comply with the requirements of this specification during receipt inspection at BHEL or if any defect is found during further processing of the material, BHEL reserves the right to reject the whole consignment notwithstanding any previous certification of satisfactory testing and / or inspection. The supplier shall undertake to replace the rejected material at his own cost and the rejected material shall be taken back by the supplier after fulfilling the commercial terms and conditions.

11.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. IS: 504
2. IS:1817