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|  | <h1 style="text-align: center;">CORPORATE PURCHASING<br/>SPECIFICATION</h1> | AA53623     |
|                                                                                   |                                                                             | Rev No.01   |
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## SLAG COAGULATING COMPOUND

### 1.0 GENERAL:

This specification governs the quality requirements of Slag Coagulating Compound for use in melting of Grey Iron, S.G.Iron, Ni-hard, Malleable Irons and Carbon and Alloy steels.

### 2.0 APPLICATION:

Used as a flux for removal of slag from the liquid metal surface during melting in induction furnace/arc furnace and from liquid metal tapped into ladles for pouring slag free metal into the moulds.

### 3.0 COMPLIANCE WITH NATIONAL STANDARD:

There is no national standard covering this type of material.

### 4.0 SHAPE AND SIZE: The material shall be in granular to powder form

### 5.0 REQUIREMENTS:

The slag coagulant powder approximately 1% \* by weight of liquid metal is added into the liquid metal surface /ladle. It shall be able to coagulate the slag effectively and enable the slag layer to be skimmed off from the liquid metal surface easily and completely with a skimmer.

The slag powder shall enable in avoiding slag build up inside the furnace walls. (\* or as recommended by supplier)

### 6.0 INSPECTION AT SUPPLIER'S WORKS:

**6.1** BHEL 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.

**6.2** BHEL may also opt for third party inspection. If so, BHEL may either specify a third party or else give a list of third party inspection agencies, out of which supplier may select one of his choice.

**6.3** 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.

**6.4** BHEL may, at its discretion, test the material after receipt and acceptance of the material will be based on the BHEL's test results.

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| Revisions:<br>Clause 25.03 of MOM of MRC-FN |         |            | <b>APPROVED:</b><br>INTERPLANT MATERIAL RATIONALISATION<br>COMMITTEE – MRC(FN) |                    |                                            |
| Rev No.01                                   | Amd No. | Reaffirmed | Prepared<br>HPEP, Hyderabad                                                    | Issued<br>Corp.R&D | Dt. of 1 <sup>st</sup> Issue<br>01-01-2004 |
| Dt:19-03-2014                               | Dt:     | Year:      |                                                                                |                    |                                            |

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**6.5** Supplier shall ensure that the material is free from extraneous material. The material shall be rejected if it is not free from extraneous material.

**6.6** For result of analysis and properties of material the decision of BHEL shall be final and binding on the supplier.

**6.7** If the material received is not found suitable according to the requirements, it shall be replaced free of cost by the supplier.

**6.8** For any deviation, demanded by the supplier from the specification, prior approval of BHEL must be obtained.

**7.0 TESTCERTIFICATE:**

Unless and otherwise stated, one original and three copies of certificates from the original manufacturer 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 the despatch documents to facilitate quick clearance of the material.

Manufacturer supplying material directly to BHEL should include BHEL PO No. in the Test Certificate. Any other supplier should provide a covering letter along with original manufacturer Test Certificate as above mentioning BHEL PO No.

BHEL order No

AA53623, Rev 01: SLAG COAGULATING COMPOUND

Manufacturer's/ Supplier's Name:

Trade name/mark, if any:

Batch/ Lot No.:

Consignment/ Identification No.

Quantity supplied:

Tests carried out

**8.0 PACKING AND MARKING:**

The material shall be suitably packed in polythene lined gunny bags of 50 kg capacity to prevent damage during transit and that shall provide reasonable protection from moisture or contamination in transit or storage.

Each package shall be legibly marked with the following information:

AA53623: SLAG COAGULATING COMPOUND

BHEL Order No.

Manufacturer's/ Supplier's name:

Trade name/ mark, if any:

Batch/ Lot No.:

Quantity supplied:

**9.0 REFRRED STANDARDS (Latest Publications including Amendments):**

Nil