



# Bharat Heavy Electricals Limited

**Fabrication Stamping & Insulator Plant**

**Jagdishpur, Amethi – 227817(U.P.)**

**MATERIAL MANAGEMENT**

## **EXPRESSION OF INTEREST (EOI)**


A unit “**Fabrication Stamping and Insulator Plant**” of **Bharat Heavy Electricals Limited** located at Industrial Area, Jagdishpur, District-Amethi (Uttar Pradesh) is looking suppliers (Preferably Manufacturers) of following items. The annual procurement quantity is mentioned in below table.

<b>Sl No</b>	<b>Material Required</b>	<b>Purchase Specification</b>	<b>Approx Annual Qty (MT)</b>
1	Calcined Alumina	PS/CRM/21	450
2	Calendum Cement	PS/CRM/34	120

Purchase Specification are attached.

Interested suppliers (preferably manufactures) may apply for supplier registration through <https://supplier.bhel.in> or get register on <https://gem.gov.in> . They may also contact to following persons.

1. Sh S.P Singh (SDGM-MM & Stamping)-05361-224153/9450940331
2. Sh N A Saifi (DGM-Head-MM)-05361-224107/7318492175
3. Sh Manmeet Kumar (Dy Manager/MM)-05361-224126 /9478471278

 FSIP-Jagdishpur	<b>Purchase Specification of Calcined Alumina</b>	<b>REF. : PS/CRM/21</b> <b>REV. NO. : 02</b> <b>REV. DATE : 05/08/22</b> <b>Page : 1 of 1</b>
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1. **SCOPE:** This specification covers the requirements of purchase of Calcined Alumina.

2. **APPLICATION:** To serve as one of the constituent in the manufacture of ceralin.

3. **CHEMICAL COMPOSITION:** -

$Al_2O_3$	- 99.2 % Minimum
$Na_2O$	- 0.35 % Maximum

4. **PHYSICAL PROPERTIES:** -

Particle size > 10 microns	- 20% Maximum
Average Particle size (D50 Value)	- 4.0 to 6.0 micron
Alpha content	- 90.0 % Minimum

5. **FREEDOM FROM DEFECTS:** - Shall be free from foreign materials.

5. **SUPPLY:** - Supply should be in powder form.

6. **INSPECTION:** - Inspection will be carried out by FSIP Jagdishpur.

7. **PACKING:** - This material shall be packed in old H.D.P.E. or gunny bags.

8. **REJECTION & REPLACEMENT:** - Material non-conforming to the foregoing specification shall be rejected, supplier shall under take to replace the material free of cost.

Prepared By:

Ram Newal  
Engineer/Ceramic Process Lab

*Ram Newal*  
5/8/22

Approved By:

Surendra Kumar  
SDGM (NBD, Ceralin & Ins. Production)

*Surendra Kumar*  
05.08.2022

**1. SCOPE:** This specification covers the requirements of purchase of Calundum Cement.

**2. APPLICATION:** It serves as one of the constituents in Ceralin Tile Assembly.

**3. CHEMICAL COMPOSITION: -**

Al <sub>2</sub> O <sub>3</sub> :	48.0 ± 5.0%
Fe <sub>2</sub> O <sub>3</sub> :	7.0 % Maximum

**4. PHYSICAL PROPERTIES: -**

Cold Crushing Strength (at 3 days Curing):	440 Kg/cm <sub>2</sub> Minimum
Initial Setting Time:	115 ± 35 minutes
Final Setting Time:	225 ± 65 minutes

**5. SUPPLY: -** Supply should be in powder form.

**6. INSPECTION: -** Inspection will be carried out by FSIP Jagdishpur

**7. PACKING: -** This material shall be packed in old H.D.P.E. or gunny bags.

**8. REJECTION & REPLACEMENT: -** Material non-conforming to the foregoing specification shall be rejected, supplier shall under take to replace the material free of cost.

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