



## CORPORATE PURCHASING SPECIFICATION

AA53307

Rev No. 00

PAGE 1 of 2

## BIKANER CLAY

**1 SCOPE**

This specification governs the requirements of Bikaner clay.

**2 APPLICATION**

To server as one of the constituents in the manufacture of porcelain body mass.

**3 COMPLIANCE WITH NATIONAL STANDARDS**

The material shall comply with the requirements of this specification.

**4 CHEMICAL COMPOSITION**

SiO <sub>2</sub>	58 ± 3%
Al <sub>2</sub> O <sub>3</sub>	29 ± 2%
Fe <sub>2</sub> O <sub>3</sub>	Less than 2%
CaO + MgO	Less than 1%
KNaO	Less than 1.5%
Loss of Ignition	10.5 ± 2%

**5 PHYSICAL PROPERTIES**

Particle size above 10 microns	11 ± 3%
Moisture content	Less than 6%
Residue over 45 microns (+350 mesh)	Less than 1.5%
Absorption of water	Less than 0.5%
Green strength	More than 50 kgs/cm <sup>2</sup>
Viscosity	≤ 27 poise

**6 MANUFACTURE**

After taking out from the mines, ore dressing should be done to eliminate the impurities.

**7 SUPPLY**

It should be supplied in form of lumps.

**8 FREEDOM FROM DEFECTS**

Material should be free from stones, silica, yellow or red ochre and any other foreign materials.

**9 INSPECTION**

The materials will be tested at BHEL lab and will be cleared subject to passing all the tests.

**Revisions:**

**APPROVED:**  
INTERPLANT MATERIAL RATIONALISATION  
COMMITTEE – MRC(CM)

Rev No.00

Amd No.

Reaffirmed

Prepared  
FSIP, JagdishpurIssued  
Corp.R&DDt. of 1<sup>st</sup> Issue  
31-03-2021

Dt:

Dt:

Year:

AA53307

Rev No. 00

PAGE 2 of 2

**CORPORATE PURCHASING SPECIFICATION****10 PACKING**

This material shall be packed in HDPE or gunny bags.

**11 REJECTION AND REPLACEMENT**

Material not confirming to this specification shall be rejected, supplier shall undertake to replace the material at free of cost.

**12 REFERRED STANDARDS (Latest Publications Including Amendments)**

Nil