

## INSPECTION & TECHNICAL REPORT FOR DEMO PROJECT ERECTION & COMMISSIONING

### AT M/S OSWAL POTTERY WORKS, THANGADH.

**1. NAME OF TECHNOLOGY IMPLEMENTED:-**

"ENERGY SAVING IN GLAZE BALLMILL GRINDING BY REPLACING 92% HIGH ALUMINA CERAMIC GRINDING MEDIA/LINING IN PLACE OF ORDINARY NATURAL LINING.

**2. MATERIAL QUATATIO OBSERVATION:-**

Quotation for material for lining/media for 92% ceramic material as per reasonable price for required quality & quantity as per market rate.

**3. INSPECTION OF SUPPLIED MATERIAL AT SITE:-**

FOUND AS PER STANDARD SPECIFICATION & NORMS.

**4. ERECTION WORK OF BALMILL LINNING:-**

Properly constructed with white cement material. Curing of erected material by filling ball mill with water for 7 days for getting strength & bonding.

**5. WASHING:-**

Before trial run ball mill charge with wash charge with abrasive material to remove cementation on surface of lining to remove extra cement & smoothing surface of lining.

**6. TRIAL RUN:-**

Trial charge load by adding grinding media as per norms, loaded glaze material with water to set grinding hours as per new technology norms.

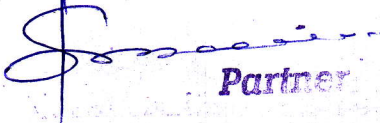
**7. COMMISSIONING:-**

After successful trial charge, as per data of new technology regular grinding of glaze preparation started successfully for production. Below data observed noted for certification of new high alumina lining media technology for glaze to reduce grinding hours to save electric energy in compare to old technology.

### FIVE-MONTH DATA AFTER COMMISSIONING PROJECT

Date	Loading of material per charge kg/Total charge per month	Grinding hours/Kwh consumed per charge	Motor h.p./amp	Glaze residue on 300 mesh sieve %
October 2018	600 kg/12 charge	12 h/26 kwh	3 h.p.	0.25
November 2018	600 kg/13 charge	12 h/26 kwh	3 h.p.	0.30
December 2018	600 kg/ 13 charge	12 h/26 kwh	3 h.p.	0.25
January 2019	600 kg/ 12 charge	12 h/26 kwh	3 h.p	0.20
February 2019	600 kg/11 charge	12 h/26 kwh	3 h.p.	0.20

Oswal Pottery Works

  
Partner