

**KIRARI LIMESTONE MINES OF M/S NUVOCO VISTAS CORP.LTD
VILLAGE KIRARI - CHORBHATTI
DISTT. JANJGIR - CHAMPA, CHHATTISGARH**

Environment clearance

Environment clearance. Letter No. J11015/23/2002- IA, II (M) GOI, and MoEF dated 9/12/2003 for production of 0.36 MTPA for Kirari Limestone mine.

CONSENT TO OPERATE

Air Consent Letter NO. 481/RO/TS/CECB/2016 Date 23/06/2016 for 0.36 MTPA
Water Consent Letter NO. 480/RO/TS/CECB/2016 Date 23/06/2016 for 0.36 MTPA

Monitoring Data For the Month of Mar` 2018

| KEY PARAMETERS | | | | | | | | | | |
|---------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------|---------------------------------------|---------------|------|----------------------|-----------|----------------|------|--|
| A) STATIC INFORMATION | | | | | | | | | | |
| 1 | MINE LEASE AREA | : | 167.048 Hect. | | | | | | | |
| 2 | PRODUCTION | : | 0.36 MTPA | | | | | | | |
| 3 | LEASE DURATION | : | 25/08/2050 | | | | | | | |
| 4. | DATE OF COMMENCEMENT OF WORK | | Mines operated since 2006 | | | | | | | |
| B) DYNAMIC PARAMETERS | | | | | | | | | | |
| (i) Ambient Air Quality | | | | | | | | | | |
| | | Ambient Air Quality Monitoring Station | | | | | | | | |
| Parameters | NAAQ STD | Chorbatti (East) | | Banhil (West) | | Mines office (North) | | Kirari (South) | | |
| | | I | II | I | II | I | II | I | II | |
| PM10 | 100µg/m3 | 51.8 | 47.6 | 62.5 | 55.1 | 64.3 | 57.2 | 56.6 | 52.6 | |
| PM2.5 | 60 µg/m3 | 24.6 | 31.1 | 39.8 | 38.2 | 35.2 | 38.6 | 30.4 | 35.4 | |
| Sulphur Dioxide SO2 | 80(µg/m3 | 8.9 | 8.9 | 8.1 | 8.8 | 8.6 | 9.5 | 8.5 | 8.7 | |
| Nitrogen Dioxide NO2 | 80(µg/m3 | 11.8 | 12.2 | 10.7 | 12.2 | 11.5 | 11.7 | 11.2 | 11.5 | |
| Carbon Monoxide CO | 4 mg/m3 | 0.14 | 0.17 | 0.21 | 0.17 | 0.19 | 0.20 | 0.15 | 0.17 | |
| (ii) | Vibration (PPV) | 2.43/ Sec at the distance of 200 meter from blast site. | | | | | | | | |
| (iii) Quality of Discharge Water:- Zero Discharge Water From Mines | | | | | | | | | | |
| 1 | Total Dissolved Solid (TDS) | : | - | | | | | | | |
| 2 | Dissolved Oxygen(DO) | : | - | | | | | | | |
| 3 | PH | : | - | | | | | | | |
| 4 | Total Suspended solids (TSS) | : | - | | | | | | | |
| (iv) Greenbelt/Plantation | | | | | | | | | | |
| 1 | Nos of Trees planted till date - | | 41660 nos. Plantation at Kirari Mines | | | | | | | |
| 2 | Calendar year wise (progressive) | | 2016 | | | | 2017 | | | |
| | | | 6000 Nos. | | | | 6865 Nos. | | | |

For Nuvoco Vistas Corp.Ltd (Formerly Lafarge India Ltd.)

Arasmeta Cement Plant,

(Sanjay Tyagi)
Vice President -ACP

Nuvoco Vistas Corp. Ltd.

(formerly Lafarge India Limited)

Arasmeta Cement Plant, P.O. Gopalnagar, Dist. Janjgir – Champa, Chhattisgarh – 495663 (India)

Website: www.nuvoco.in | CIN. U26940MH1999PLC118229

Registered Office: Equinox Business Park, Tower.3, East Wing, 4th Floor, LBS Road, Kurla (West), Mumbai 400070