

**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 Sep` 2017

KEY PARAMETERS									
A) STATIC INFORMATION									
1	MINE LEASE AREA	:	167.048 Hect.						
2	PRODUCTION	:	0.36 MTPA						
3	LEASE DURATION	:	2020						
4.	DATE OF COMMENCEMENT OF WORK	:	Mines operated since 2006						
B) DYNAMIC PARAMETERS									
(i) Ambient Air Quality									
		Ambient Air Quality Monitoring Station							
Parameters		Chorbatti (East)		Banhil (West)		Mines office (North)		Kirari (South)	
		I	II	I	II	I	II	I	II
PM10	(µg/m3)	56	52	67	60	69	62	61	57
PM2. 5	(µg/m3)	27	34	43	41	38	41	33	38
Sulphur Dioxide SO2	(µg/m3)	7.0	8.0	6.3	6.4	6.5	7.2	6.6	6.8
Nitrogen Dioxide NO2	(µg/m3)	9.3	9.4	8.0	8.6	8.8	8.8	8.6	9.2
Carbon Monoxide CO	(mg/m3)	0.9	0.12	0.13	0.14	0.12	0.13	0.1	0.11
(ii) Vibration (PPV)		Nil mm / Sec at the distance of 200 meter from blast site. -Not Done							
(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 -			40275 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)
Plant Manager -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



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

Environment clearance

Letter No. J11015/64/2003- IA, II (M) GOI, and MoEF dated 18/7/2005 for production of 2.7 MTPA for Arasmeta Limestone mine.

CONSENT TO OPERATE

Air Consent Letter NO. 3357/TS/CECB/2017 Date 21/09/2017 for 2.7 MTPA
Water Consent Letter NO. 3355/TS/CECB/2017 Date 21/09/2017 for 2.7 MTPA

Monitoring Data for the Month Sep` 2017

KEY PARAMETERS									
A) STATIC INFORMATION									
1	MINE LEASE AREA	:	499.987 Hect.						
2	PRODUCTION	:	2.7 MTPA						
3	LEASE DURATION	:	2019						
4	DATE OF COMMENCEMENT OF WORK	:	Mines operated since 1982						
B) DYNAMIC PARAMETERS									
(i) Ambient Air Quality									
Parameters		Ambient Air Quality Monitoring Station							
		Pit Boundary (East)		Mines office (West)		Colony (North)		Arasmeta village (South)	
		I	II	I	II	I	II	I	II
PM10	(µg/m3)	74	70	65	66	57	52	62	68
PM2.5	(µg/m3)	34	34	42	44	29	27	40	42
Sulphur Dioxide SO2	(µg/m3)	6.6	7.0	7.9	6.8	6.9	6.5	6.7	7.4
Nitrogen Dioxide NO2	(µg/m3)	9.5	8.8	10.9	10.0	9.7	8.6	10	9.2
Carbon Monoxide CO	(mg/m3)	0.12	0.16	0.15	0.16	0.12	0.14	0.1	0.12
BDL - Below Detection Limit-									
(ii) Vibration (PPV)		Nil-mm / Sec at the distance of 300 meter from blast site. - Not Done							
(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 -	1062199 Around Plant, Colony & Included Arasmeta Mines & Harihar project.							
2	Calendar year wise (progressive)	2016				2017			
		12000				8056			

For Nuvoco Vistas Corp.Ltd (Formerly Lafarge India Ltd.)
(Arasmeta Cement Plant)


(Sanjay Tyagi)
Plant Manager - 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