



**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 JUNE` 2018

KEY PARAMETERS									
A) STATIC INFORMATION									
1	MINE LEASE AREA	:	499.987 Hect.						
2	PRODUCTION	:	2.7 MTPA						
3	LEASE DURATION	:	31/03/ 2030						
4	DATE OF COMMENCEMENT OF WORK	:	Mines operated since 1982						
B) DYNAMIC PARAMETERS									
(i) Ambient Air Quality									
		Ambient Air Quality Monitoring Station							
Parameters	NAAQ STD	Pit Boundary (East)		Mines office (West)		Colony (North)		Arasmeta village (South)	
		I	II	I	II	I	II	I	II
PM10	100µg/m3	69.4	68.1	63.7	64.7	55.3	51.0	60.4	66.4
PM2. 5	60 µg/m3	33.5	33.8	41.6	43.7	28.4	26.6	39.7	41.9
Sulphur Dioxide SO2	80(µg/m3	9.1	9.4	10.0	8.9	9.3	9.2	8.7	9.3
Nitrogen Dioxide NO2	80(µg/m3	12.2	11.4	13.6	12.6	11.9	11.3	12.5	11.9
Carbon Monoxide CO	4 mg/m3	0.16	0.20	0.14	0.18	0.18	0.17	0.13	0.15
BDL - Below Detection Limit-									
(ii)	Vibration (PPV)	2.21 mm / Sec at the distance of 300 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 -	1063199 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)
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

LAST UP DATED ON: -JULY` 2018

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 June ` 2018

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	MAAQ STD
	Chorbatti (East)
I	Banhill (West)
	Mines office (North)
II	Kirari (South)
PM10	100µg/m3
PM2.5	60 µg/m3
Sulphur Dioxide SO2	80(µg/m3
Nitrogen Dioxide NO2	80(µg/m3
Carbon Monoxide CO	4 mg/m3
	0.12
	11.5
	11.9
	10.3
	10.8
	11.2
	11.4
	10.6
	11.2
	0.15

(ii) Vibration (PPV)	
	2.37 mm/ 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 -
2	Calendar year wise (progressive)
	2016
	2017
	6865 Nos.

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CHILHATI LIMESTONE MINES OF M/S NUVOCO VISTAS CORP.LTD
VILLAGE CHILHATI
DISTT. BILASPUR, CHHATTISGARH

Environment clearance

Environment clearance. Letter No. J-11015/210/2010-IA.II (M) GOI and MoEF dated 18/9/2014 for production of 4.0 MTPA for Chilhati Limestone mine.

CONSENT TO OPERATE

Air Consent Letter NO. 1009/TS/CECB/2018 Date 18/04/2018 for 1.38 MTPA

Water Consent Letter NO. 1007/TS/CECB/2018 Date 18/04/2018 for 1.38 MTPA

Monitoring Data For the Month of June` 2018

KEY PARAMETERS												
A) STATIC INFORMATION												
1	MINE LEASE AREA	:	1085.365 Hect.									
2	PRODUCTION	:	1.38 MTPA									
3	LEASE DURATION	:	2065									
4.	DATE OF COMMENCEMENT OF WORK		Mines operated since 19 th April 2017									
B) DYNAMIC PARAMETERS												
(i) Ambient Air Quality												
Ambient Air Quality Monitoring Station												
Parameters ($\mu\text{g}/\text{m}^3$)	Gonadih		Chilhathi		Jaitpuri-Semradih		Kokri-Gobari		Sonadih		Belha	
	I	II	I	II	I	II	I	II	I	II	I	II
PM10	66.7	64.8	61.2	63.8	49.8	47.4	58.3	62.7	56.1	59.4	57.7	53.3
PM2.5	31.7	33.5	40.4	41.4	27.8	23.8	35.5	37.5	29.7	29.1	35.8	33.9
Sulphur Dioxide SO ₂	9.9	8.9	10.2	9.2	8.4	7.7	8.1	8.7	8.8	7.6	9.3	8.8
Nitrogen Dioxide NO ₂	13.2	10.9	12.4	11.3	12.8	11.7	11.5	11.2	12.1	11.4	13.3	11.3
Carbon Monoxide CO	0.17	0.15	0.15	0.20	0.19	0.13	0.14	0.17	0.20	0.18	0.17	0.21
NAAQ STD- PM10-100 $\mu\text{g}/\text{m}^3$, PM2.5-60 $\mu\text{g}/\text{m}^3$ SO₂ & NO₂-80 $\mu\text{g}/\text{m}^3$ and CO-4 mg/m³												
(ii) Vibration (PPV) Nil / 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 -		3500 nos. Plantation at Chilhati Mines									
2	Calendar year wise (progressive)		2017									
			3500									

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