



**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 April` 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

Parameters	NAAQ STD	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	100µg/m3	68.9	67.7	63.2	64.2	54.8	50.5	59.9	65.9
PM2.5	60 µg/m3	33.5	33.7	41.5	43.6	28.4	26.5	39.6	41.8
Sulphur Dioxide SO2	80(µg/m3	8.5	8.9	9.5	8.4	8.6	8.7	8.2	8.8
Nitrogen Dioxide NO2	80(µg/m3	11.8	10.9	13.1	12.1	11.4	10.7	12.0	11.4
Carbon Monoxide CO	4 mg/m3	0.16	0.20	0.15	0.19	0.18	0.17	0.13	0.15

BDL - Below Detection Limit-

(ii) Vibration (PPV) 2.42 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 12000
			2017 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

**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 April` 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	54.9	50.7	65.8	58.3	67.5	60.4	59.7	55.7	
PM2. 5	60 µg/m3	26.7	33.2	41.8	40.4	37.4	40.8	32.5	37.5	
Sulphur Dioxide SO2	80(µg/m3	8.2	8.2	7.3	7.8	7.8	8.7	7.8	8.0	
Nitrogen Dioxide NO2	80(µg/m3	11.0	11.4	9.8	10.3	10.5	10.8	10.4	10.7	
Carbon Monoxide CO	4 mg/m3	0.12	0.15	0.18	0.20	0.16	0.17	0.13	0.15	
(ii) Vibration (PPV) 2.57/ 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.			

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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. 267/TS/CECB/2016 Date 12/04/2017 for 4.0 MTPA
Water Consent Letter NO. 265/TS/CECB/2017 Date 12/04/2017 for 4.0 MTPA

Monitoring Data For the Month of April` 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 April 2017										
B) DYNAMIC PARAMETERS													
(i) Ambient Air Quality													
Ambient Air Quality Monitoring Station													
Parameters ($\mu\text{g}/\text{m}^3$)	Gonadih		Chilhati		Jaitpuri-Semradih		Kokri-Gobari		Sonadih		Belha		
	I	II	I	II	I	II	I	II	I	II	I	II	
PM10 ($\mu\text{g}/\text{m}^3$)	66.7	65.1	61.2	63.8	49.8	47.2	58.3	62.7	56.1	59.4	57.7	53.3	
PM2.5 ($\mu\text{g}/\text{m}^3$)	31.5	33.4	40.2	41.2	27.6	23.6	35.3	37.3	29.7	28.9	35.6	33.7	
Sulphur Dioxide SO ₂	9.5	8.5	9.8	8.8	8.0	7.3	7.7	8.3	8.4	7.2	8.9	8.4	
Nitrogen Dioxide NO ₂	12.6	10.3	11.8	10.7	12.2	11.1	10.9	10.6	11.5	10.8	12.7	10.7	
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	0.23	
NAAQ STD- PM-100, PM2.5-60 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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