



**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` 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	61.4	60.1	55.8	56.8	47.3	42.9	52.5	58.4
PM2. 5	60 µg/m3	28.3	28.7	36.5	38.6	23.2	21.3	34.6	36.8
Sulphur Dioxide SO2	80(µg/m3	12.5	12.7	13.5	12.1	12	12.4	12	12.9
Nitrogen Dioxide NO2	80(µg/m3	15.9	15.2	17.2	16.2	16.1	14.8	16.1	15.6
Carbon Monoxide CO	4 mg/m3	0.24	0.28	0.21	0.25	0.2	0.24	0.2	0.21
BDL - Below Detection Limit-									
(ii) Vibration (PPV)		Nil- 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 -	1028709 Around Plant, Colony & Included Arasmeta Mines & Harihar project (up to 2018)							
2	Calendar year wise (progressive)	2017				2018			
		8056				7000 (Plant & Mines)			

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

(Arasmeta Cement Plant)

(Anil Sharma)

Asst. 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.

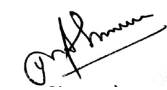
CONSENT TO OPERATE

Air Consent Letter NO. 2290/RO/TS/CECB/2018 Date 04/08/2018 for 0.36 MTPA
Water Consent Letter NO. 2289/RO/TS/CECB/2018 Date 04/08/2018 for 0.36 MTPA

Monitoring Data For the Month of Sep` 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	47.4	13.2	58.2	50.5	59.8	52.2	52.2	48.3	
PM2. 5	60 µg/m3	21.6	28.2	36.7	35.1	32.2	35.6	27.5	32.5	
Sulphur Dioxide SO2	80(µg/m3	12	12.1	11.3	11.5	11.7	12.8	11.8	11.8	
Nitrogen Dioxide NO2	80(µg/m3	15.1	15.6	14.1	14.6	14.9	15.2	14.2	14.9	
Carbon Monoxide CO	4 mg/m3	0.19	0.23	0.26	0.28	0.20	0.25	0.2	0.22	
(ii) Vibration (PPV) Nil- 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 -		45360 nos. Plantation at Kirari Mines (up to 2018)							
2	Calendar year wise (progressive)		2017				2018			
			6865 Nos.				3700 Nos.			

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



(Anil Sharma)
Asst. Vice President –ACP

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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 Sep` 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 (µg/m ³)	Gonadih		Chilhathi		Jaitpuri-Semradih		Kokri-Gobari		Sonadih		Belha			
	I	II	I	II	I	II	I	II	I	II	I	II		
PM10	57.6	55.6	52.2	54.8	40.5	38.1	49.3	53.7	46.8	49.8	48.7	44.3		
PM2.5	26.2	28.1	35.2	35.9	22.5	18.3	30.3	32.4	24.4	23.7	30.9	28.6		
Sulphur Dioxide SO ₂	13.6	12.7	13.3	12.3	11.8	11.1	11.2	11.8	12.2	10.8	12.4	11.9		
Nitrogen Dioxide NO ₂	16.8	14.5	15.6	14.5	16.3	15.2	14.7	15.2	15.9	15.1	15.9	14.9		
Carbon Monoxide CO	0.25	0.26	0.21	0.26	0.27	0.22	0.21	0.22	0.28	0.25	0.28	0.27		
NAAQ STD- PM10-100 µg/m³, PM2.5-60 µg/m³ SO₂ & NO₂-80 µg/m³ 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 -	:	10785 nos. Plantation at Chilhati Mines (up to 2017)											
2	Calendar year wise (progressive)	:	2017					2018						
		:	3800					6985						

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