

SONADIH CEMENT PLANT : NUVOCO VISTAS CORPORATION LIMITED
P.O. RASEDA – 493332, DISTT.- BALODA BAZAR- BHATAPARA, CHHATTISGARH

ENVIRONMENTAL CLEARANCE

For Line 1 Letter No. F. No. J-11011/28/2002-IA-II (I) dated 23/10/2002 & letter dtd 30/12/2002 & 03/06/2004 and for expansion of Cement Plant from 1.50 to 3.50 MPTA (Phase-2)
 F.No.J-11011/386/2005-IA-II (I) dated 16/03/2006 & 05/05/2006, name change letter dtd 20.10.2017

Monitoring Data for the Month of June' 2021

A. Stack Emission :

S.N.	Stack Attached to	Pollution Control Equipment	CECB STD (Max.)	Particulate Matter* (Mg/NM ³)
01	Kiln & Raw mill (Line1)	Hybrid Filter	30 mg/NM ³	25
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM ³	23
03	Clinker cooler (Line1)	ESP	30 mg/NM ³	28
04	Clinker cooler (Line 2)	Bag house	30 mg/NM ³	21
05	Coal mill (Line1)	Bag Filter	30 mg/NM ³	23
06	Coal mill (Line 2)	Bag Filter	30 mg/NM ³	22
07	Cement mill	Bag Filter	30 mg/NM ³	21
08	Lime stone crusher	Bag Filter	30 mg/NM ³	24
09	CPP Stack	ESP	30 mg/NM ³	22

Note: * Spot test results, CEMS reading for: PM < 30 mg/NM³ · NOx < 800 mg/NM & <100 for CPP stack- SO2 < 100 mg/NM³

B. Ambient Air Quality :

Pollutants	CECB STD (Max.)	Ambient Air Quality (All values in Microgram/M ³) - Monthly Average			
		AAQ Monitoring Stations			
		Near LS Crusher	Near Time office	Near Material Gate	Near Scrap yard
PM -10	100	31.5	23.6	47.8	23.6
PM -2.5	60	20.2	16.3	27.7	13.6
SOx	80	13.7	12.1	18.7	14.3
NOx	80	11.5	10.1	13.5	11.8
CO	2000	190.0	<10	998.0	91.0
Noise level	75/70 dB(A)	Noise level is <70 dB(A) in Day time / <65 dB(A) during Night time			

C. Discharge Water Quality : Treated water of Sewage Treatment Plant - Used for Horticulture purpose
 Treated water of Guard pond - Used for Horticulture/Dust suppression

S.N.	Pollutants	PCB Standard (Max)	Results obtained
1	P ^H	5.5-9.0	7.4
2	Suspended Solids	100 mg/Ltr	49
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	96
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	14



Ramesh Warke
 Sr.Vice President

NUVOCO VISTAS CORPORATION LIMITED

SONADIH LIMESTONE MINE

VILLAGE RASEDA ,DISTT.- BALODA BAZAR BHATAPARA, CHHATTISGARH

Environment clearance Letter No. J-11015/387/2007- IA. II(M), dated 6/9/2007 and transfer of EC in the name of M/s Nuvoco Vistas corporation Ltd., vide letter dtd 15/6/2018 for Sonadih Limestone mine (ML area: 444.763 ha for production capacity of limestone 5.5 MTPA .

KEY PARAMETERS									
A) STATIC INFORMATION-									
1	MINE LEASE AREA	:	444.763 HECT.						
2	PRODUCTION	:	5.5 MTPA						
3	LEASE DURATION	:	2036						
4	DATE OF COMMENCEMENT OF WORK	:	MINES OPERATING SINCE 1993. CAPACITY INCREASE TO 5.5 MTPA FROM SEPT 2009						
B) DYNAMIC PARAMETERS – Monitoring data for June 2021									
(i) Ambient Air Quality (Results in microgram/M³)									
Ambient Air Quality Monitoring Station									
	Parameters	Near River Pump House		Near Limestone Dump Hopper		Near Mine office		Towards Sonadih village	
		I	II	I	II	I	II	I	II
1	SPM	193	170	232	209	211	182	187	160
2	RSPM(PM10)	64	51	87	74	72	58	67	44
3	NOx	11.21	10.72	13.43	10.95	12.58	11.09	11.31	12.18
(ii) Vibration (PPV) : – 2.8-3.7 mm/sec (at the distance of 300 mtr from blast site)									
(iii) Quality of Discharge Water : Zero water discharge from Mines									
1	Total Dissolved Solid (TDS)	:		-					
2	Dissolved Oxygen(DO)	:		-					
3	p ^H	:		-					
4	Total Suspended solids (TSS)	:		-					
(iv) Greenbelt / Plantation									
1	Nos of Trees planted till date	:		More than 5.5 Lakhs around Plant, Colony & Mines					
2	Calendar year wise (Nos)	:		2018	2019	2020	2021		
				5000	5000	4000	1000		



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Sr. Vice President