

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 March' 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	23
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM ³	22
03	Clinker cooler (Line1)	ESP	30 mg/NM ³	26
04	Clinker cooler (Line 2)	Bag house	30 mg/NM ³	21
05	Coal mill (Line1)	Bag Filter	30 mg/NM ³	22
06	Coal mill (Line 2)	Bag Filter	30 mg/NM ³	24
07	Cement mill	Bag Filter	30 mg/NM ³	25
08	Lime stone crusher	Bag Filter	30 mg/NM ³	20
09	CPP Stack	ESP	30 mg/NM ³	24

Note: * Spot test results, CEMS reading for: PM < 30 mg/NM³ NOx < 800 mg/NM³-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	55.5	58.3	69.3	46.1
PM -2.5	60	26.7	53.4	34.0	19.4
SOx	80	14.3	11.9	17.2	13.8
NOx	80	11.6	12.7	12.4	11.1
CO	2000	195.5	<10	1003.5	120.0
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	7.2
2	Suspended Solids	100 mg/Ltr	42
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	93
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 March 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	211	197	248	219	221	204	197	220
2	RSPM(PM10)	67	61	81	70	73	58	61	75
3	NOx	10.74	12.83	13.37	11.32	11.28	13.38	12.37	10.43
(ii) Vibration (PPV) : – 2.27-5.15 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)	:	2017	2018	2019	2020			
			10000	5000	5000	4000			

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Sr. Vice President