

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 January' 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	22
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM ³	20
03	Clinker cooler (Line1)	ESP	30 mg/NM ³	27
04	Clinker cooler (Line 2)	Bag house	30 mg/NM ³	24
05	Coal mill (Line1)	Bag Filter	30 mg/NM ³	23
06	Coal mill (Line 2)	Bag Filter	30 mg/NM ³	21
07	Cement mill	Bag Filter	30 mg/NM ³	23
08	Lime stone crusher	Bag Filter	30 mg/NM ³	22

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	55.8	54.4	69.9	56.4
PM -2.5	60	24.9	47.5	29.2	23.9
SOx	80	14.9	11.5	15.4	14.2
NOx	80	11.9	11.0	12.3	11.5
CO	2000	<10	<10	1048	146
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

S.N.	Pollutants	PCB Standard (Max)	Results obtained
1	p ^H	5.5-9.0	7.4
2	Suspended Solids	100 mg/Ltr	45
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	76
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	13


 Ramesh Warkar
 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 January 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	187	211	238	217	209	189	201
2	RSPM(PM10)	61	73	72	91	59	70	53	48
3	NOx	11.68	12.39	13.61	14.58	10.63	13.05	12.35	11.2
(ii) Vibration (PPV) : – 2.57-3.78 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				



Ramesh Warke
Sr. Vice President