

**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 November' 2020**

**A. Stack Emission :**

S.N.	Stack Attached to	Pollution Control Equipment	CECB STD (Max.)	Particulate Matter* (Mg/NM <sup>3</sup> )
01	Kiln & Raw mill (Line1)	Hybrid Filter	30 mg/NM <sup>3</sup>	23
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM <sup>3</sup>	22
03	Clinker cooler (Line1)	ESP	30 mg/NM <sup>3</sup>	26
04	Clinker cooler (Line 2)	Bag house	30 mg/NM <sup>3</sup>	21
05	Coal mill (Line1)	Bag Filter	30 mg/NM <sup>3</sup>	25
06	Coal mill (Line 2)	Bag Filter	30 mg/NM <sup>3</sup>	22
07	Cement mill	Bag Filter	30 mg/NM <sup>3</sup>	24
08	Lime stone crusher	Bag Filter	30 mg/NM <sup>3</sup>	21

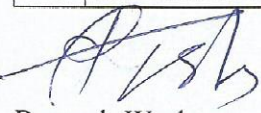
**Note:** \* Spot test results, CEMS reading for: PM < 30 mg/NM<sup>3</sup> · NOx < 800 mg/NM<sup>3</sup> -SO2 < 100 mg/NM<sup>3</sup>

**B. Ambient Air Quality :**

Pollutants	CECB STD (Max.)	AAQ ( Monthly Average) (All values in Microgram/M <sup>3</sup> )			
		Ambient Air Quality Monitoring Stations			
		Near LS Crusher	Near Time office	Near Material Gate	Near Scrap yard
PM -10	100	57.7	70.4	67.9	53.5
PM -2.5	60	25.4	58.4	30.4	21.9
SOx	80	14.0	11.6	14.3	14.3
NOx	80	11.4	7.8	11.6	11.9
CO	2000	181.7	<10	1047.3	177.7
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 <sup>H</sup>	5.5-9.0	7.5
2	Suspended Solids	100 mg/Ltr	65
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	84
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	13

  
 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									
<b>A) STATIC INFORMATION-</b>									
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>B) DYNAMIC PARAMETERS – Monitoring data for November 2020</b>									
<b>(i) Ambient Air Quality (Results in microgram/M<sup>3</sup>)</b>									
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	174	190	219	233	193	209	161	183
2	RSPM(PM10)	49	56	61	80	52	47	39	50
3	NOx	11.76	10.52	10.26	13.03	11.49	12.55	12.67	12.62
<b>(ii) Vibration (PPV) : – 1.96-3.10 mm/sec (at the distance of 300 mtr from blast site)</b>									
<b>(iii) Quality of Discharge Water : Zero water discharge from Mines</b>									
1	Total Dissolved Solid (TDS)	:	-						
2	Dissolved Oxygen(DO)	:	-						
3	p <sup>H</sup>	:	-						
4	Total Suspended solids (TSS)	:	-						
<b>(iv) Greenbelt / Plantation</b>									
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  
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## Nuvoco Vistas Corp.Ltd.

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