

**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' 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>	22
02	Kiln & Raw mill (Line 2)	Bag House	30 mg/NM <sup>3</sup>	23
03	Clinker cooler (Line1)	ESP	30 mg/NM <sup>3</sup>	21
04	Clinker cooler (Line 2)	Bag house	30 mg/NM <sup>3</sup>	24
05	Coal mill (Line1)	Bag Filter	30 mg/NM <sup>3</sup>	22
06	Coal mill (Line 2)	Bag Filter	30 mg/NM <sup>3</sup>	25
07	Cement mill	Bag Filter	30 mg/NM <sup>3</sup>	23
08	Lime stone crusher	Bag Filter	30 mg/NM <sup>3</sup>	22

**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	44.6	34.3	51.5	41.9
PM -2.5	60	20.9	30.2	23.4	21.2
SOx	80	13.8	11.5	15.2	22.8
NOx	80	11.3	7.8	12.1	12.5
CO	2000	190.7	<10	1023.0	350.5
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	7.4
2	Suspended Solids	100 mg/Ltr	63
3	Chemical Oxygen Demand (COD)	250 mg/Ltr	84
4	Bio-Chemical Oxygen Demand (BOD)	30 mg/Ltr	12

  
 Ramesh Warke  
 Sr.Vice President

**Nuvoco Vistas Corp. Ltd.**

Sonadih Cement Plant : P.O. : Raseda, Dist. Balodabazar - Bhatapara, Chhattisgarh - 493 332, India Phone : +91 (0) 7727 272224/225/226

Corporate & Registered Office : Equinox Business Park , Tower 3, East Wing, 4th Floor, Off Bandra - Kurla Complex, LBS Marg, Kurla (West), Mumbai - 400 070, Maharashtra

Tel : (91-22) 66306511/6769 2500, Fax : (91-22) 66306510

Website : www.nuvoco.in

CIN - U26940MH1999PLC118229

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 JUNE 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		167	129	231	194	211	203	198	210
2	RSPM(PM10)		44	30	63	47	52	44	59	52
3	NOx		10.49	11.64	13.48	10.59	14.48	12.36	10.60	11.66
<b>(ii) Vibration (PPV) : –1.16-3.25 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)	:	2016	2017	2018	2019				
			18000	10000	5000	5000				



Ramesh Warke  
Sr. Vice President

**Nuvoco Vistas Corp. Ltd.**

Sonadih Cement Plant : P.O. : Raseda, Dist. Balodabazar - Bhatapara, Chhattisgarh - 493 332, India Phone : +91 (0) 7727 272224/225/226

Corporate & Registered Office : Equinox Business Park , Tower 3, East Wing, 4th Floor, Off Bandra - Kurla Complex, LBS Marg, Kurla (West), Mumbai - 400 070, Maharashtra

Tel : (91-22) 66306511/6769 2500, Fax : (91-22) 66306510

Website : www.nuvoco.in

CIN - U26940MH1999PLC118229