

ANNEXURE – 1

Compliance of conditions laid in Environmental Clearance by Ministry Environment and Forests, New Delhi vide letter no. F. No. J-11011/450/2010-1A-11 (I) Dated 24th January 2012 to M/s Shree Vinayak Cement Co., Amjhor, Baliapur, Dhanbad.

A.	SPECIFIC CONDITIONS	COMPLIANCE STATUS
I.	Particulate emissions shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB, regularly.	Particulate emissions are in prescribed limit of 50 mg/Nm ³ . We are using stack of adequate height and have already installed Bag filters. Report on Stack Emission is attached as Annexure – II.
II.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 should be followed.	We are following & maintaining AAQ standard. Report on AAQ is attached as Annexure – III.
III.	Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.	There are no gaseous emissions.
IV.	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw materials and fully covered conveyers for transportation of materials shall be provided besides cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	All Raw materials will be transported under fully covered conveyor. Bagging & Packing will be done under fully air tight mechanism. Cement is stored in silo.
V.	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of SPM and and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In order to adhere the norms prescribed by the central pollution control board we regularly sprinkle water all around the stockyard and loading & unloading area and other required area. Asphalting and hauling of roads is also done.
VI.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions should be regularly monitored.	We are not using fly ash. Further we are transporting raw material and cement by covering it properly with tarpaulin. We are regularly monitoring Vehicular emissions also.
VII.	Total ground water requirement shall not exceed 8m ³ /day and necessary permission for the drawl shall be obtained. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge should be adopted.	As we are a cement grinding unit so, water is not required in our manufacturing process. We are using water for domestic purpose only.



VIII.	Efforts shall be made to make use of rain water harvested. If needed, capacity of reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rain water harvesting system has been implemented. The Photographs is attached as Annexure – IV.
IX	All the bag filter dust, raw meal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / re processors only.	All the dust collected from pollution control device is recycled and reused. We are using spent oil for machine lubrication.
X	Green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	We have a developed green belt in and around the plant and also regular plantation is in progress. The Photographs is attached as Annexure - V.
XI	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	We are committed towards society and identifying the needs.
XII	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	We are providing housing and all necessary infrastructure and facilities such as toilets, safe drinking water etc.



B.	GENERAL CONDITIONS:	COMPLIANCE STATUS
i.	The project authorities must strictly adhere to the stipulations made by the Jharkhand Pollution Control Board and the State Government.	These stipulations are being complied
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests (MOEF).	We will not make further expansion without prior approval of MOEF.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	We are following the regulatory standards of gaseous emission within limit for existing plant. For the expansion project also we shall comply with the standards prescribed by CPCB / SPCB.
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOX are anticipated in consultation with the SPCB. Data on ambient air quality (AAQ) and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	Data on ambient air quality and stack emission are regularly submitted. The Report is attached as Annexure – II & III.
v.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No Industry waste water is being generated.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime)	We are operating DG with acoustic enclosure. The Noise Report is attached as Annexure – VI.
vii.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	It is being monitored on regular basis and no abnormalities observed.
viii.	The company shall develop surface water harvesting structures to harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	It has been implemented.
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development programmes, drinking water supply and health care etc.	We will comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. We are undertaking socio-economic development activities in the surrounding villages.
x.	The requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds	Requisite amount will be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the state



	so provided shall not be diverted for any other purpose.	government as indicated in EIA report.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Copy of Clearance letter has been sent to the concerned body and we are in process of uploading the same on companies website: www.sandhugroup.in
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Compliance report of stipulated environment clearance conditions will be uploaded. We are in process of sending the Compliance report to the authorities.
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB/ SPCB shall monitor the stipulated conditions.	Status of the compliance of the stipulated environmental conditions including results of monitored data will be submitted to the Authorities.
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	The Environmental Statement in Form-V has been already submitted for the Financial Year ending 31 st March'2013 and we are in process of submission of Form-v for the Financial Year ending 31 st March'2014
xv.	The project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.	This has been advertised in the two local news papers of the locality. Copy of the same is enclosed for your kind reference as Annexure - VII.
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	It will be intimated.





YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Post Box No. - 32 | Namkom Post Office | Sidoul | Ranchi - 834010 (Jharkhand)
Ph. - 0651-6003372, 098351-97960 | Tele Fax: 0651-2260787 | E-mail: ybaeel@gmail.com | Web: yugantarbharti.co.in



HS-EN ISO 9001:2008
31/04/2015

STACK MONITORING REPORT

(R & D)

Report No.- YBAEEL/DHN/14-5-24/Stack/02

Name of the Industry

M/S SHREE VINAK CEMENT
COMPANY

AT- AMJHOR, BALIAPUR

DIST.- DHANBAD

STATE- JHARKHAND

Date of sampling	24th May 2014
Weather Condition	Clear
Stack No. if any	One
Height of Stack from ground	in metre 18.28
Top cross sectional area of stack	in meter 0.40
Height of porthole from ground	in metre 6.09
Atmospheric temperature	in $^{\circ}$ K 308
Stack gas temperature	in $^{\circ}$ K 566
Stack gas velocity	in m/s 7.68
Volumetric flow rate	in Nm^3/hr 5780.00
Dust Concentration	in mg/Nm^3 46.06
Stack Attached to	Ball Mill attached for dust collector
Emission Rate	kg/hr 0.27
Name of Fuel Quantity used per Day	Clinker Slag + Gypsum 106 Ton/Day
Production Capacity	100 Ton/Day

GASES

Sulphur dioxide	in mg/Nm^3	18.37
Oxides of Nitrogen	in mg/Nm^3	42.16
Remarks	Dust Concentration was observed within prescribed limit	

Sanjeev

Sanjeev Kr. Singh
In-Charge

(Air Monitoring Section)

In-charge
Air Section
YBAEEL



Umesh

Umesh Das
Technical Manager
(Authorised Signatory)

Technical Manager
Yugantar Bharati Analytical &
Environmental Engineering Laboratory



LAB ACCREDITED BY:

JHARKHAND STATE POLLUTION CONTROL BOARD
Dept. of Forest & Environment, Govt. of Jharkhand



YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

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Ph. - 0651-6003372, 098351-97960 | Tele Fax: 0651-2260787 | E-mail: ybaeel@gmail.com | Web: yugantarbharati.co.in



HS-EN ISO 9001:2008
Type 1001

Ambient Air Quality Report

Name of Industry M/S SHREE VINAK CEMENT COMPANY
AT AMJHOR, BALIAPUR
DIST. - DHANBAD
STATE - JHARKHAND

R&D

Report No. - YBAEEL/DHN/13-11-10/AAQ/01

No. of Sampling Points

Sampling Positions

- 1 Near Main Gate
- 2 Near Office
- 3 Near Plant Side

Date of Sampling 10th to 11th November 2013

Weather Condition Clear

	Time	SO ₂	NO _x	PM ₁₀	TSPM
Near Main Gate	8:00 AM - 12:00 PM	15	32		
	12:00 PM - 4:00 PM	12	29	67.25	124.18
	4:00 PM - 8:00 PM	15	33		
	8:00 PM - 12:00 AM	17	35	70.19	116.43
	12:00 AM - 4:00 AM	22	38		
	4:00 AM - 8:00 AM	19	37	50.59	104.74
	Maximum	22	38	67.25	124.18
	Average	17	34	57.34	115.12
Near Office	8:15 AM - 12:15 PM	14	31		
	12:15 PM - 4:15 PM	11	30	84.47	121.09
	4:15 PM - 8:15 PM	15	34		
	8:15 PM - 12:15 AM	18	37	76.54	117.36
	12:15 AM - 4:15 AM	21	40		
	4:15 AM - 8:15 AM	20	38	64.33	102.17
	Maximum	21	40	84.47	121.09
	Average	17	35	75.11	113.54
Near Plant Side	8:30 AM - 12:30 PM	13	33		
	12:30 PM - 4:30 PM	12	32	60.40	121.23
	4:30 PM - 8:30 PM	16	33		
	8:30 PM - 12:30 AM	18	35	80.85	119.52
	12:30 AM - 4:30 AM	21	38		
	4:30 AM - 8:30 AM	18	37	70.15	110.16
	Maximum	21	38	80.49	121.23
	Average	16	35	79.83	115.97

Note

All values are expressed in microgram / cubic meter.

Remarks All the parameters were found well within the prescribed limit of CPCB Norms. The Ambient Air Quality Monitored for 24 hours. The filter papers changed at the interval of 8 hrs. for the measurement of PM₁₀/TSPM and Gas observant for SO₂ and NO_x have been changed at 4 hrs. interval.

The Air sampling and Analysis procedure were followed as per guidelines of Central Pollution Control Board

(Signature)

In-Charge

(Air Monitoring Section)

**In-charge
Air Section**

YBAEEL



(Signature)

Technical Manager

Technical Manager
Yugantar Bharati Analytical & Environmental Engineering Laboratory

LAB ACCREDITED BY:



JHARKHAND STATE POLLUTION CONTROL BOARD
Dept. of Forest & Environment, Govt. of Jharkhand



Water Harvesting



TREE PLANTATION PROGRAMME





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MS-EN ISO 9001:2008

Noise Report

R&D

Report No. -YBAEEL/DHN/13-11-10/NOISE/01

Name of Industry M/S SHREE VINAK CEMENT COMPANY
AT- AMJHOR, BALIAPUR
DIST. - DHANBAD
STATE- JHARKHAND

No. of Sampling Points

Sampling Positions

- 1 Near Main Gate
- 2 Near Office
- 3 Near Plant Area

Date of Sampling 10th to 11th November 2013

Weather Condition Clear

Location	Day Time	Leq in dB	Night Time	Leq in dB
Near Main Gate	9.00 AM	51.2		
	1.00 PM	55.6		
	5.00 PM	49.7		
	9.00 PM	44.4		
			1.00 AM	32.1
			5.00 AM	34.5
Maximum		55.6		34.5
Average		50.3		33.3
Near Office	9.15 AM	49.8		
	1.15 PM	52.7		
	5.15 PM	48.6		
	9.15 PM	32.3		
			1.15 AM	31.1
			5.15 AM	34.7
Maximum		52.7		34.7
Average		45.9		32.9
Near Plant Area	9.30 AM	52.6		
	1.30 PM	55.9		
	5.30 PM	53.4		
	9.30 PM	50.3		
			1.30 AM	49.5
			5.30 AM	48.7
Maximum		55.9		49.5
Average		53.1		49.1

Ambient Standard for Noise

Area Code	Categories of Area	Limit in dB (A) Leq	
		Day Time	Night Time
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silent Zone	50	40

Day Time From 6:00 Am to 10:00Pm

Night Time From 10:00 PM to 6:00 Am

Remarks Noise Level were observed well within prescribed limit

S. K. S. S.
In-Charge
(Air Monitoring section)
Air Section
YBAEEL



M. S. S.
Technical Manager
Technical Manager
Yugantar Bharati Analytical &
Environmental Engineering Laboratory



LAB ACCREDITED BY:

JHARKHAND STATE POLLUTION CONTROL BOARD
Dept. of Forest & Environment, Govt. of Jharkhand

Advertisement in Awaz Press dated 22-02-2014

Shree Vinayak Cement Co. has been accorded environmental clearance by the ministry of environment and forests and copies of the clearance letter are available with the SPCB and may also be seen at website of the said Ministry <http://envfor.nic.in>.

For Shree Vinayak Cement Company
Amjhore Baliapur,
Dhanbad Pin code :- 828201
Jharkhand

Advertisement in Bihar Observer dated 22-02-2014

सूचना

श्री विनायक सीमेंट कंपनी को पर्यावरण एवं वन मंत्रालय द्वारा पर्यावरण निर्याधन प्राप्त हो गया है। और इसकी प्रांतीय एसपीसीबी के पास उपलब्ध है और इसे मंत्रालय की वेबसाइट <http://envfor.nic.in> पर भी देखा जा सकता है।

वास्ते, श्री विनायक सीमेंट कंपनी
अमझोर बलियापुर, धनबाद
पिन कोड 828201, झारखण्ड

