

ECO CEMENTS LTD.



*STATUS OF ENVIRONMENTAL
COMPLIANCE OF CTO & CTE
OCT - 17 TO MARCH - 18*

To,
The Chairman,
Bihar State Pollution Control Board,
Beltron Bhavan, 2nd Floor, Lal Bahadur Shastri Nagar,
Patna- 800023

Dated : 25-06-2018

Our Ref : ECO/BIHAR/SEC/25062018/13

Sub : Revised Status of Environmental Compliance of CTO of M/s. Eco Cements Limited, Bhabhua for the period of OCT 2017 to MARCH 2018

Dear Sir,

This refers to above mentioned subject. In this matter, please find attached Status of Environmental Compliance of CTO of M/s. Eco Cements Limited, Bhabhua for the period of OCT 2017 to MARCH 2018.

Kindly acknowledge the receipt and oblige.

Thanking you in anticipation,
For Eco Cements Limited


AUTHOR SIGN. *Auth. Signatory*

Encl.

1. Status of Environmental Compliance of CTO of M/s. Eco Cements Limited, Bhabhua for the period of OCT 2017 to MARCH 2018

Copy to.

1. Ministry of Environment and Forests,
BANGLOW NO. A-2, SHYAMLI CALONY,
RANCHI-834002, JHARKHAND
PH. 0651-2410007, 2410002
2. Scientist 'E' & Incharge,
Central Pollution Control Board,
Southernd Conclave, Block 502, 5TH & 6TH Floors,
1582 Rajdanga Main Road,
Kolkata – 700107 (W.B.)

ECO CEMENTS LIMITED, BHABHUA, BIHAR			
Compliance report of Emission Consent Order for ECO Cements Ltd, Bhabhua Reference Letter from BSPCB, PATNA - T-7001, DATED - 27/12/2017, VALID TILL MARCH 2022 (For the period from OCT - 2017 to MARCH - 2018)			
Compliance of Emission Consent Order conditions of BSPCB			
Sl.No.	Particulars	Status of Compliance	Proof of Evidence
1	That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act;	We will not do any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act	NILL
2	That, he /they shall comply with the requirements of the rule 14 of the Environmental (Protection) Rules, 1986; rules 4,5,7,9,10 and 11 of the Hazardous & Other Wastes (Management & Trans boundary Movement) Rules,2008; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;	We are complying; Cement manufacturing (Grinding) is based on "Dry Process" and is close circuit. As such no Hazardous waste is generated from the process	NA
3	That, he/they shall monitor his/her emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;	We are monitoring emission(s) and the ambient air quality from representative point regularly ON hire basis by Government Recognized environmental laboratory and maintaining its quality in conformity with Board's standards. Environmental monitoring reports have been submitted regularly to BSPCB on six monthly basis	REPORTS OF AAQ & SMR ATTACHED. IT CONFIRMS TO THE BOARD STANDARDS (ANNEXURE - 1 & 2)
4	That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e.; 28.02.2022 or within 30 days from the date of receipt of this order, whichever is applicable.	We will Submit the application for consent 30 days before the expiration of the period of consent i.e.; 28.02.2022 or within 30 days from the date of receipt of this order	COMPLYING
5	<i>That, the air pollution control devices (bag filter) shall be operated regularly to keep particulate emission within 50mg/Nm³.</i>	We are regularly operating air pollution control devices (bag filters) to keep emission of the particulate matter within 50mg/Nm ³	SEE THE ATTACHED PHOTOS OF POLLUTION CONTROL DEVICES (ANNEXURE-4)
6	<i>That, the gaseous emission level including secondary fugitive emission from all the sources shall be controlled within the latest permissible limit issued by the MoEF and shall be regularly monitored.</i>	The gaseous emission level including secondary fugitive emission from all the sources have been controlled within the latest permissible limit issued by the MoEF and they will be monitored regularly	REPORTS OF AAQ & SMR ATTACHED. IT CONFIRMS TO THE BOARD STANDARDS (ANNEXURE - 1, 2 & 3)
7	<i>That, the dust collection system and extraction system to control fugitive dust emission at various transfer points, raw material handling (unloading, conveying, transporting, stacking), vehicular movements, bagging & Packing areas shall be operated regularly.</i>	We have installed bag filters at various transfer points, raw material handling (unloading, conveying, transporting, stacking) for reducing dust emission.	SEE THE ATTACHED PHOTOS OF BAG FILTERS, TRACKTOR TANK SPRAY SYSTEM AND WATER SPRINKLERS (ANNEXURE - 4)

ECO CEMENTS LTD

Corp. Off.: 72, Jawahar Nagar Extn., Bhelupur, Varansi, U.P. - 221010, PH. - 0542-2277704, 2277074
Factory: Plot No. 1644, Bheriya Road, Kulharia, Durgauti, Bhabhua, Bihar

8	<i>That, regular water spraying/sprinkling on the roads all around the cement plant and critical area prone to air pollution shall be carried out to control fugitive dust emission to conform to the norms of the ambient air quality parameters.</i>	We are Regularly Spraying water on the roads all around the plant and critical area prone to air pollution. We have deployed tractor mounted tank with spray system & pipe line with sprinklers has been laid for spraying water on roads & pollution prone area.	SEE THE ATTACHED PHOTOS OF TRACTOR, TANK SPRAY SYSTEM & WATER SPRINKLERS (ANNEXURE - 4)
9	<i>That, all raw material including fly ash and end product shall be transported in closed containers only to reduce impact on the surrounding environment including agricultural land.</i>	We are using closed vehicles and bulkers for the transportation of fly ash and other raw materials and end product i.e. cement to reduce impact on surrounding environment including agricultural land	SEE THE PHOTOS OF BULKERS (ANNEXURE - 5)
10	<i>That, all the dust from bag filters, clinker dust, and cement dust from pollution control devices shall be recycled in the process of cement manufacturing.</i>	All the dust from bag filters, clinker dust and cement dust from pollution control devices is being recycled in the process of cement manufacturing all over the plant	PHOTOS OF POLLUTION CONTROL DEVICES (ANNEXURE - 4)
11	<i>That, spent oil and batteries shall be sold to authorized recyclers/reprocessors only.</i>	Spent oil is stored in drums & shall be disposed off through authorized recyclers/reprocessors only. Batteries are exchanged from authorized dealers.	COMPLYING
12	<i>That, the green belt shall be developed and maintained as prescribed in E.C.</i>	Tree plantation is our ongoing process. Every year we do plantation in our plant & nearby areas. Green Belt has been developed & maintained as per prescribed in EC. We have planted more than 1500 different type of Plants around the premises	SEE ATTACHED PHOTOS OF TREES (ANNEXURE - 6)
13	<i>They shall install continuous (24x7) online monitoring devices to monitor emission in ambient air from stacks and data shall be shared to this Boards.</i>	We have installed continuous (24x7) online monitoring devices to monitor emission in ambient air from stacks and data is being shared to this Pollution control Board online	SEE ATTACHED REPORT (ANNEXURE - 7)
14	<i>That, overall noise level in and around the plant area shall be kept well within the standards of 85dBA. The ambient noise level shall conform to the standard i.e.; 75dBA (day time) and 70dBA (night time)</i>	We are maintaining overall noise level in and around the plant well within the standards of 85dBA. The ambient noise level conforms to the standard i.e.; 75dBA (day time) and 70dBA (night time)	REPORTS OF ANLMR ATTACHED. IT CONFIRMS TO THE BOARD STANDARDS (ANNEXURE - 8)
15	<i>That, they shall comply with all the conditions mentioned in the Environmental clearance.</i>	We are complying with conditions mentioned in the Environmental clearance regularly & reports are sent by e-mail & Speed post every six monthly.	SEE THE ATTACHED Status of Environmental Compliance of M/s. Eco Cements Limited, Bhabhua for the period of OCT 2017 - MAR 2018 (ANNEXURE - 9)
16	<i>The unit shall have a display board near the site stating name of unit/industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.</i>	We have a display board near main gate stating the name of unit/industry with address/ name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board	SEE THE ATTACHED PHOTOS OF DISPLAY BOARD (ANNEXURE- 10)

ECO CEMENTS LIMITED, BHABHUA, BIHAR			
Compliance report of Discharge Consent Order for ECO Cements Ltd, Bhabhua Reference Letter from BSPCB, PATNA - T-7002, DATED - 27/12/2017, VALID TILL MARCH 2022			
Compliance of Discharge order conditions as per BSPCB			
Sl.No.	Particulars	Status of Compliance	REMARKS/ ATTACHEMENT
1	That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;	We will not do any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act	NILL
2	That, they shall comply with the the provisions of the Water (Prevention and Control of Pollution) Cess Act, 1977, rule 14 of the Environment (Protection) Rules, 1986; provisions of the Hazardous Wastes (Management, Handling & Tran boundary Movement) rules, 2008; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991 whichever is applicable;	We are complying with the the provisions of the Water (Prevention and Control of Pollution) Cess Act, 1977, rule 14 of the Environment (Protection) Rules, 1986; provisions of the Hazardous Wastes (Management, Handling & Trans boundary Movement) rules, 2008; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991. Cement manufacturing is a closed circuit dry process and no hazardous waste water is generated. Waste water generated from toilet & mess is disposed-off in soak pit via septic tank and also recycled in the process of dust suppression and green belt development	PHOTOS ATTACHED SEPTIC TANK & SOAK PIT (ANNEXURE - 11)
3	That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;	As the plant is being operated on dry process technology, no liquid effluent is generated from the plant, Waste water generated from office toilet and mess is disposed-off in a soak pit via septic tank	PHOTOS ATTACHED SEPTIC TANK & SOAK PIT (ANNEXURE - 11)
4	That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e.; 28.02.2022 or within 30 days from the date of receipt of this order, whichever is applicable.	We will Submit the application for consent 30 days before the expiration of the period of consent i.e.; 28.02.2022 or within 30 days from the date of receipt of this order	COMPLYING
5	<i>That, all treated waste water shall be recycled and reused in the process and/or for dust suppression and green belt development and related activities etc.</i>	No waste water is generated from plant. Waste water from Kitchen is being used for suppression system and green belt development	SEE ATTACHED PHOTOS (ANNEXURE - 11)
6	<i>That, no process waste water shall be discharged outside the factory premises and zero discharge shall be maintained.</i>	No process waste water is being discharged outside the factory premises and zero discharge is being maintained	COMPLYING

7	<p><i>That, the rain water harvesting shall be carried out. They shall ensure that the waste water shall not mix with rain water harvesting system.</i></p>	<p>We have adopted a pond outside our factory premises of 0.1498 hectare (1498 sq. meter) area and having an average depth of 3.0 meter with Khatauni no.- 43 & Khasra no.- 53, for rain water harvesting. Along with this we are maintaining a cylindrical soak pit of 8 meter dia and 5 meter depth, inside the factory premises for water sprinkling through tractor and Green Belt development</p>	<p>SEE THE ATTACHED PHOTOS OF POND AND SOAK PIT (ANNEXURE - 11)</p>
8	<p><i>That, the industrial waste water, if any, shall be properly collected, treated so as to conform to the latest standards prescribed under the E(P) rules, 1986.</i></p>	<p>Cement manufacturing is a closed circuit dry process and no waste water is generated. Waste water generated from toilet & mess is disposed-off in soak pit via septic tank and also recycled in the process of dust suppression and green belt development</p>	<p>COMPLYING</p>
9	<p>That, certificate for underground water withdrawal from competent authority shall be obtained</p>	<p>We wish to inform you that we got NOC from CGWA for abstracting ground water for drinking and domestic purposes and Industry use with Certificate no.- CGWA/NOC/IND/ORIG/2018/3756; Dated: 19.06.2018, Valid till: 18.06.2020. We will send you a copy of the NOC Certificate as soon as we get it.</p>	<p>SEE ATTACHED MAIL FROM CGWA (ANNEXURE-12)</p>

ANNEXURE - 1

Stack Emission Level Monitoring Report for the period OCT 2017 TO MARCH 2018 All Values in mg/m ³							
Sr. No.	Location →	Particulate Matter Emission (mg/Nm ³)					Standard Limit of Particulate Matter Emission
	Month ↓	Stack Attached with Bag House of Cement Mill	Stack Attached with Bag House of Gypsum & Clinker feeding	Stack Attached with Bag House of Clinker & Gypsum unloader	Stack Attached with DG 500 KVA	Stack Attached with DG 125 KVA	
1	Oct-17	24.7	24.9	23.8	50.2	53.4	50 mg/Nm ³
2	Nov-17	25.9	23.0	22.1	41.5	44.1	
3	Dec-17	22.4	25.2	20.0	44.6	47.4	
4	Jan-18	23.9	24.0	21.4	53.8	57.2	
5	Feb-18	32.0	25.9	19.1	45.3	48.2	
6	Mar-18	33.9	20.9	20.6	48.6	51.7	
Average Values		27.1	24.0	21.2	47.3	50.3	

ANNEXURE - 2

Ambient Air Quality Monitoring Report (All Values in µg/m³)																	
Year: 2017 - 2018 (OCT 2017 TO MARCH 2018)																	
S. No	Location →	Near Main Gate				Near CCR				Near Canteen				Near Gypsum & Clinker Storage			
	Month ↓	PM₁₀	PM_{2.5}	SO₂	NO₂	PM₁₀	PM_{2.5}	SO₂	NO₂	PM₁₀	PM_{2.5}	SO₂	NO₂	PM₁₀	PM_{2.5}	SO₂	NO₂
1	Oct-17	53.4	31.3	12.1	21.3	49.6	28.6	8.4	14.7	44.7	27.3	7.4	15.8	52.6	29.8	6.2	12.8
2	Nov-17	58.0	34.4	14.6	27.1	49.3	28.4	9.6	15.1	46.3	27.2	7.0	12.6	52.4	29.6	5.8	11.5
3	Dec-17	65.2	36.5	10.3	22.3	60.2	35.8	7.4	14.3	56.5	33.6	6.8	13.2	56.8	33.8	8.1	12.6
4	Jan-18	50.2	29.2	11.4	21.2	41.7	24.3	8.3	16.6	40.9	23.6	7.4	14.1	42.6	24.6	7.8	15.6
5	Feb-18	48.4	28.2	13.3	24.5	38.1	22.2	9.6	19.2	32.3	18.6	8.6	16.3	39.7	22.9	9.0	18.1
6	Mar-18	55.5	32.4	12.0	27.9	44.8	26.3	9.6	15.8	41.2	24.0	7.6	16.8	44.9	26.1	7.3	13.5
Average		55.12	32.00	12.28	24.05	47.28	27.60	8.82	15.95	43.65	25.72	7.47	14.80	48.17	27.80	7.37	14.02

ANNEXURE - 3

Fugitive Dust Emission Level Monitoring Report for the period OCT 2017 TO MARCH 2018						
Concentration of Total Dust (All Values in mg/m³)						
Sl.No.	Location →	Mill Section Ground Floor	Mill Section 1st Floor	Mill Section 2nd Floor	South Side of Mill Section	North side of Mill Section
	Month ↓					
1	Oct-17	6.44	5.87	7.38	6.18	5.43
2	Nov-17	8.77	4.38	6.19	5.76	6.22
3	Dec-17	7.36	5.16	4.78	6.17	5.44
4	Jan-18	7.52	5.14	6.55	6.10	5.70
5	Feb-18	6.89	5.76	5.43	4.18	6.14
6	Mar-18	7.40	5.26	6.07	5.68	5.79
Average Values		7.40	5.26	6.07	5.68	5.79

ANNEXURE - 4













ANNEXURE - 5

ANNEXURE - 6













ANNEXURE - 7

[About us](#) [Disclaimer](#) [Change Password](#) [Logout](#)

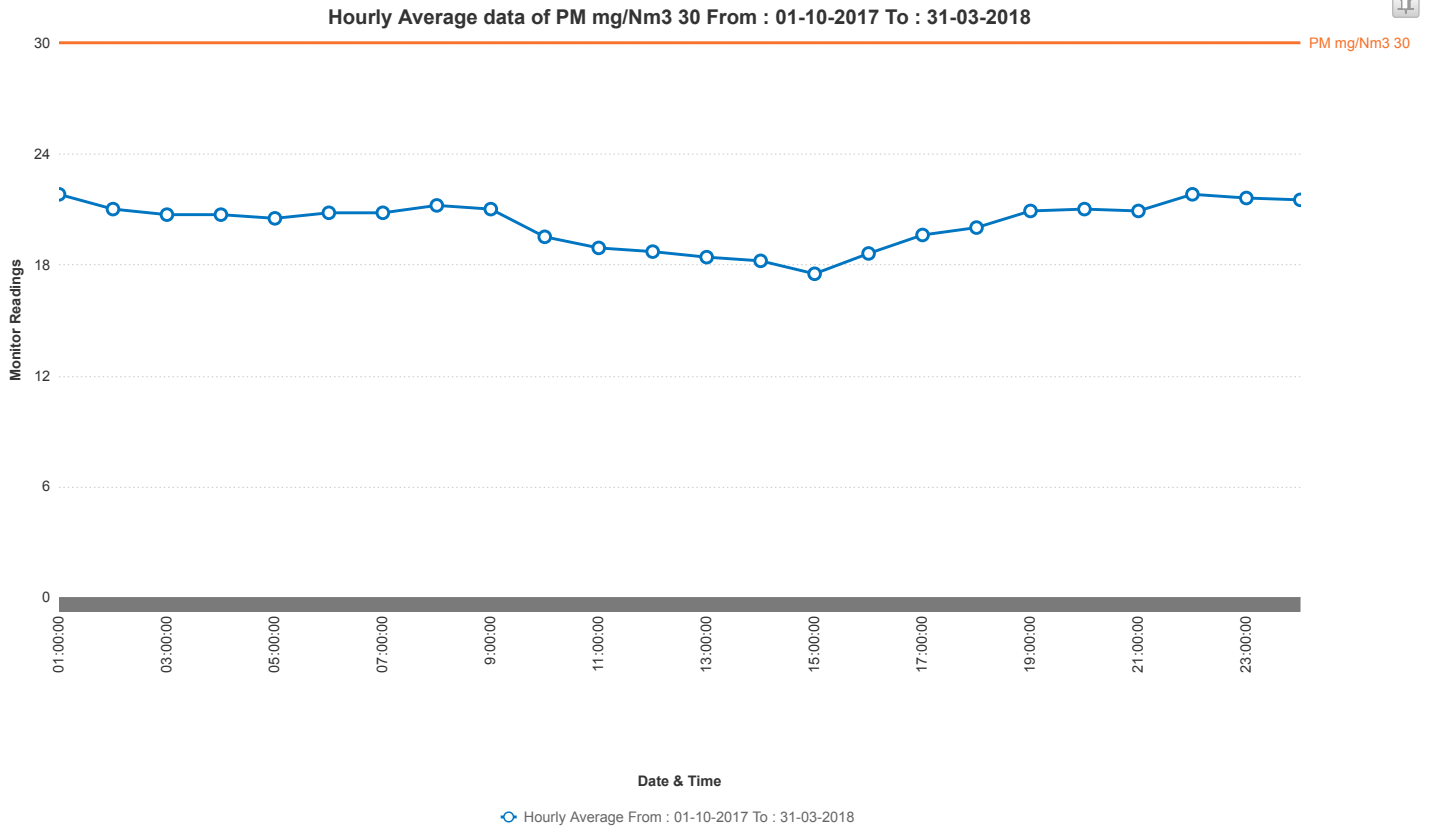
Welcome Eco Cement Ltd



[LIVE MAP](#) [LIVE CAMERA](#) [DATA](#) [VALIDATION](#) [REPORTS](#)

Search By Company

Company Name	ECO CEMENT LTD ▼
Parameter Name	PM (Stack_1_Cemen ▼)
From Date	01-10-2017
To Date	31-03-2018
<input type="button" value="Generate Report"/>	



Hourly Average data of PM mg/Nm3 30 From 01-10-2017 To 31-03-2018

Time	Hourly Average
01:00:00	21.8
02:00:00	21.0
03:00:00	20.7
04:00:00	20.7
05:00:00	20.5
06:00:00	20.8
07:00:00	20.8
08:00:00	21.2
09:00:00	21.0
10:00:00	19.5
11:00:00	18.9
12:00:00	18.7

13:00:00	18.4
14:00:00	18.2
15:00:00	17.5
16:00:00	18.6
17:00:00	19.6
18:00:00	20.0
19:00:00	20.9
20:00:00	21.0
21:00:00	20.9
22:00:00	21.8
23:00:00	21.6
24:00:00	21.5

ANNEXURE - 8

Ambient Noise level Monitoring Report From OCT 2017 TO MARCH 2018 dB(A) TIME WEIGHTED AVERAGE (TWA) OF NOISE LEVEL IN dB(A)							
S. No.	Location →	Plant boundary near Main gate	Plant boundary near CCR	Plant boundary near Canteen	Plant boundary near Gypsum storage	Plant boundary near Clinker storage	Prescribed Standard Limit (dB(A)
	Month ↓						
1	Oct-17	69.8	67.8	68.3	62.9	63.1	75dB(A) in day & 70 dB(A) in night
2	Nov-17	71.3	69.4	67.5	63.2	66.8	
3	Dec-17	68.4	66.2	63.8	64.9	62.8	
4	Jan-18	70.2	67.1	66.2	62.8	63.7	
5	Feb-18	72.4	69.3	64.1	65.7	67.2	
6	Mar-18	69.1	66.2	61.2	67.1	64.8	
Average Values		70.2	67.7	65.2	64.4	64.7	

ANNEXURE - 9



ECO CEMENTS LIMITED, BHABHUA, BIHAR		
Compliance report of Environment Clearance for Bhabhua Cement Plant (For the Period from OCT-2017 TO MARCH-2018) Reference Letter from MOEF, New Delhi - F. No. J-11011/287/2010-IA-II (I) dated 31.10.2011		
Compliance of Specific Condition as per EC		
Sl.No.	Particulars	Status of Compliance
1	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.	We are maintaining Particulate emissions within 30 mg/Nm ³ . Data on ambient air, fugitive and stack emissions is being submitted to the Ministry's Regional Office at Ranchi, SPCB and CPCB regularly. (REPORTS ATTACHED SEE ANNEXURE - 1)
2	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 The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009. (REPORTS ATTACHED SEE ANNEXURE - 2)
3	Gaseous emission levels 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.	We are following the Guidelines of Practice issued by the CPCB. The gaseous emission levels including secondary fugitive emissions from all the sources is being controlled within the latest permissible limits issued by the Ministry and it will be regularly monitored. (REPORTS ATTACHED SEE ANNEXURE - 3)
4	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw meal handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of 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.	Adequate no of dust collector are installed at all dust emission points. All the raw material are kept under covered yards and silos and all the conveyors are covered. Cement, fly ash and clinker are stored in Silos. Pneumatic system is used for fly ash handling. (SEE ATTACHED PHOTOS OF DUST COLLECTORS AND SILOS ANNEXURE - 4)
5	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 levels of PM 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.	Concreting of road has been completed and provision has been made for regular water sprinkling by a tractor mounted sprinklers and pipe sprinklers has been laid near areas prone to air pollution. (SEE ATTACHED PHOTOS - ANNEXURE - 5)

ECO CEMENTS LTD

Corp. Off.: 72, Jawahar Nagar Extn., Bhelupur, Varansi, U.P. - 221010, PH. - 0542-2277704, 2277074
Factory: Plot No. 1644, Bheriya Road, Kulharia, Durgauti, Bhabhua, Bihar

6	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 should be transported in the closed containers only and should not be overloaded. Vehicular emissions should be regularly monitored.	We are using closed vehicles and bulkers for the transportation of fly ash and other raw materials and end product i.e. cement and the handling sections are equipped with dust collection equipments. Vehicular emissions are regularly monitored and it is assured that there should not be any impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. (SEE ATTACHED ANNEXURE - 6)
7	Total ground water requirement for the cement plant shall not exceed 200 m ³ /day and necessary permission for the drawl of water shall be obtained from the Competent Authority. All the treated wastewater should be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Total ground water requirement for the cement plant is well below 200 m ³ /day our requirement is less than 5 m ³ /day and we wish to inform you that we got NOC from CGWA for abstracting ground water for drinking and domestic purposes and Industry use with Certificate no.- CGWA/NOC/IND/ORIG/2018/3756; Dated: 19.06.2018, Valid till: 18.06.2020 (SEE ATTACHMENT MAIL FROM CPCB) . We will send you the copy of certificate as soon as we get it. No process wastewater is generated/ discharged outside the factory premises and 'zero' discharge has been adopted. All other conditions are complied. (REPORTS ATTACHED - SEE ANNEXURE - 7)
8	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	We have adopted a pond outside our factory premises of 0.1498 hectare (1498 sq. meter) area and having an average depth of 3.0 meter with Khatauni no.- 43 & Khasra no.- 53, for rain water harvesting. Along with this we have made a water reservoir of 270 meter long, 5 meter wide & 5 meter deep for maintaining the water requirement of our plant. (PHOTOS OF SOAK PIT AND POND ATTACHED - SEE ANNEXURE - 8)
9	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 / reprocessors only.	We are recycling and reusing all the bag filter dust, raw meal dust, clinker dust and cement dust from pollution control devices in the process used for the cement manufacturing. We will also sell off spent oil and batteries to authorized recyclers/ reprocessors only. (REPORTS ATTACHED - SEE ANNEXURE- 9)
10	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. Green belt development shall be started within 3 months after obtaining EC and completed within 3 years or before commissioning of the plant whichever is earlier.	Green Trees are planted 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. Green belt has been developed by planting trees all around the plant. (SEE ANNEXURE - 10)
11	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 at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	We have fixed 5% of the project cost towards Enterprise Social Commitment (SEE ATTACHED ANNEXURE - 11) . And we have started community development programmes and participated in harit kranti.

ECO CEMENTS LTD



12	The company shall provide housing for construction labor 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.	The construction stage is over. The condition is not applicable at present. We had provided housing for construction labor within the site with all necessary infrastructure and facilities
----	---	---

ECO CEMENTS LTD

Corp. Off.: 72, Jawahar Nagar Extn., Bhelupur, Varansi, U.P. - 221010, PH. - 0542-2277704, 2277074
Factory: Plot No. 1644, Bheriya Road, Kulharia, Durgauti, Bhabhua, Bihar

ECO CEMENTS LIMITED, BHABHUA, BIHAR

Compliance report of Environment Clearance for Bhabhua Cement Plant
(For the Period from OCT 2017 - MARCH 2018)

Reference Letter from MOEF, New Delhi - F. No. J-11011/287/2010-IA-II (I) dated 31.10.2011

Compliance of General Condition as per EC

Sl.No.	Particulars	Status of Compliance
1	The project authorities must strictly adhere to the stipulations made by the Bihar State Pollution Control Board and the State Government.	We wish to inform you that our application with all relevant documents along with fee was accepted by SPCB, Patna & we have been granted consent to operate vide letter no. T-7001 & T-7002 dated - 27.12.2017, valid till - 31.3.2022. (SEE THE APPLICATION ATTACHED - ANNEXURE - 12)
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	We will take no further expansion or modifications in the plant without prior approval of the Ministry of Environment and Forests.
3	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 conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time for the gaseous emissions from various process units. (REPORTS ATTACHED SEE ANNEXURE - 13)
4	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	We have established four ambient air quality monitoring stations in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x are anticipated in consultation with our Pollution Consultant. Data on ambient air quality and stack emission are regularly submitted to this Ministry including its Regional Office at Kolkata and the SPCB/CPCB once in six months. (REPORTS ATTACHED SEE ANNEXURE - 2)
5	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 industrial waste water is being generated as cement manufacturing is a dry process.
6	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) 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) and 70 dBA (night time).	Noise control measures including noise dampener sheet in ball mill, acoustic hoods, silencers, enclosures etc. are installed on all sources of noise generation so that the overall noise levels in and around the plant area shall be kept well within the standards (85 dBA). The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time). (REPORTS ATTACHED SEE ANNEXURE- 14)
7	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	We conduct occupational health surveillance of the workers on a regular basis and records (FORM-32) are maintained as per the Factories Act. (REPORTS ATTACHED SEE ANNEXURE - 15)

ECO CEMENTS LTD

Corp. Off.: 72, Jawahar Nagar Extn., Bhelupur, Varansi, U.P. - 221010, PH. - 0542-2277704, 2277074
Factory: Plot No. 1644, Bheriya Road, Kulharia, Durgauti, Bhabhua, Bihar

8	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have adopted a pond outside our factory premises of 0.1498 hectare (1498 sq. meter) area and having an average depth of 3.0 meter with Khatauni no.- 43 & Khasra no.- 53, for rain water harvesting. Along with this we are maintaining a cylindrical soak pit of 8 meter dia and 5 meter depth, inside the factory premises for water sprinkling through tractor and Green Belt development. (PHOTOS OF SOAK PIT AND POND ATTACHED - SEE ANNEXURE - 8)
9	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 activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are complying with all the environmental protection measures and safeguards recommended in the EIA/EMP report. We are undertaking socio-economic development activities such as drinking water supply (PIYAU), sports items distribution among nearby villages, distribution of bags in nearby schools, etc. (SEE THE ATTACHED ANNEXURE - 11)
10	As proposed, Rs. 5.6 Crore and Rs 0.85 Crore 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 Forests 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 so provided shall not be diverted for any other purpose.	As proposed in EIA/EMP report the project cost considered was 100 Crore. But, the actual project cost is 60.40 Crore. Accordingly, capital cost & recurring cost are mentioned below, and we are complying accordingly. (REPORTS ATTACHED SEE ANNEXURE - 16)
11	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.	We have created a website and a copies of the clearance letter have been put on the website. www.ecocement.in (SEE ATTACHED CLEARANCE LETTER ANNEXURE - 17)
12	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; PM10, SO ₂ , NO _x (ambient levels as well as stack emissions) 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.	We have uploaded the status of compliance of the stipulated environment clearance conditions, including results of monitored data on our website (www.ecocement.in) and shall update the same periodically. We send it to the Regional Office of the MOEF at Ranchi. The respective Zonal Office of CPCB and the SPCB. We have made a display board near main gate And we monitor and display the criteria pollutant levels namely; PM10, PM2.5, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects at a location near the main gate of the company in the public domain. (SEE ATTACHED PHOTOS OF DISPLAY BOARD ANNEXURE - 18)

ECO CEMENTS LTD

Corp. Off.: 72, Jawahar Nagar Extn., Bhelupur, Varansi, U.P. - 221010, PH. - 0542-2277704, 2277074
 Factory: Plot No. 1644, Bheriya Road, Kulharia, Durgauti, Bhabhua, Bihar

13	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.	We 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.
14	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.	We submit the environmental statement for each financial year ending 31 st March in Form-V as to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. We will also put it on the website of the company after creating it along with the status of compliance of environmental conditions and will also send it to the respective Regional Office of the MOEF at RANCHI by e-mail. (SEE ATTACHED FORM - V ANNEXURE - 19)
15	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.	We have informed 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 . We have advertised this in two local newspapers that are widely circulated in the region of which one is in the vernacular language of the locality concerned and a copy of the same was forwarded to the Regional office at RANCHI.
16	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.	We have informed 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. (See the attached letter - ANNEXURE - 20)

ECO CEMENTS LTD

ANNEXURE - 10



ANNEXURE - 11









ANNEXURE - 12

From: <no-reply@cgwa-noc.gov.in>
Date: Tue, Jun 19, 2018 at 11:22 AM
Subject: Your Application No- 21-4/254/BR/IND/2017 is Approved
To: <ba.ecocement@gmail.com>

Dear BIPIN AGARWAL / ba.ecocement@gmail.com,

Your Application Number 21-4/254/BR/IND/2017 has been Approved and No Objection Certificate (NOC) No. CGWA/NOC/IND/ORIG/2018/3756 for ground water abstraction to M/s ECO CEMENTS LTD has been granted.

The NOC start date is 19/06/2018 and is valid upto 18/06/2020 .

Hardcopy of NOC shall be sent by speed post and scanned copy of same would be uploaded in NOCAP system. You can view/download scanned copy of NOC through your Login.

This is an auto-generated email. Do not reply to this email.