

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

Dated : 15-12-2017

Our Ref : ECO/BIHAR/SEC/20122016/12

Sub : Status of Environmental Compliance of M/s. Eco Cements Limited,
Bhabhua for the period of APRIL 2017 to SEP 2017

Dear Sir,

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

Kindly acknowledge the receipt and oblige.

Thanking you in anticipation,
For Eco Cements Limited

ECO CEMENTS LTD

AUTHORIZED SIGNATORY
Authorized Signatory/Dir

Encl.

1. Status of Environmental Compliance of M/s. Eco Cements Limited, Bhabhua for the period of APRIL 2017 to SEP 2017

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 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 LTD.



*STATUS OF ENVIRONMENTAL
COMPLIANCE APRIL -
SEPTEMBER 2017*

ECO CEMENTS LIMITED, BHABHUA, BIHAR		
Compliance report of Environment Clearance for Bhabhua Cement Plant (For the Period from APRIL-2017 TO SEP-2017) 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.
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 critical areas prone to air pollution

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Joint Signatory/Dire

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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.
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 have applied for obtaining NOC from CGWA as per their Guidelines for ground water abstraction for drinking and domestic purposes and Industry (See the attached application). 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- 4)
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 started construction of rainwater harvesting structure as per CGWA guideline & will construct the same within 2-3 months & completion report with photo graphs will be send to you.
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- 5)
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. MAP ATTACHED
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.	Enterprise Social Commitment is being followed and we have started community development programmes and participated in harit kranti.

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S. S. Sanyal
 Signature/Director

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12	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.	The construction stage is over. The condition is not applicable at present. We had provided housing for construction labour within the site with all necessary infrastructure and facilities
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Authorized Signatory/Director

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ECO CEMENTS LIMITED, BHABHUA, BIHAR		
Compliance report of Environment Clearance for Bhabhua Cement Plant (For the Period from APRIL 2017- SEP 2017) 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 has been accepted by SPCB, Patna & it is under process. (See the application Attached)
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 - 7)
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 PM10, 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 PM10, 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 Bhubaneswar and the SPCB/CPCB once in six months.
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- 6)
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) maintained as per the Factories Act.


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 Authorized Signatory/Director

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 started Re - construction of rainwater harvesting structure as per CGWA guideline Earlier made Pit will be abandoned as soon as new structure will be constructed within 2-3 months & completion report with photo graphs will be send to you.																										
9	The project proponant 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. Year wise and item wise submission of expenditure on Corporate Social Responsibility, it is important to mention here that Section 135 of Companies Act, 2013 governs the provision of Corporate Social Responsibility (CSR) and according to Section 135 (1), CSR will be applicable on the companies incorporated in India and fulfilling either of the following conditions in any financial Year i.e., if the Net Worth of the Company is Rs. 500 Crore or more OR Turnover of Rs. 1000 Crore or more OR a net Profit of Rs. 5 Crore or more. M/s Eco Cements Limited does not come under the provision of Section 135 (1) of the companies Act 2013 and hence provisions of Corporate Social Responsibility are not applicable on us.																										
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. PROJECT COST DETAILS <table border="1" data-bbox="845 1108 1468 1377"> <thead> <tr> <th>PARTICULARS</th> <th>AMOUNT</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>ACTUAL PROJECT COST</td> <td>60.40</td> <td>CRORE</td> </tr> <tr> <td>5.6 % CAPITAL INVEST MENT</td> <td>3.38</td> <td>CRORE</td> </tr> <tr> <td>0.85% RECURRING COST PER YEAR</td> <td>51.34</td> <td>LACS</td> </tr> </tbody> </table> EXPENDITURE SUMMERY <table border="1" data-bbox="845 1456 1468 2016"> <thead> <tr> <th>PARTICULARS</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>CAPITAL INVEST MENT</td> <td>Rs. 36887832.95</td> </tr> <tr> <td>RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2012-13)</td> <td>Rs. 59,55,508.00</td> </tr> <tr> <td>RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2013-14)</td> <td>Rs. 51,83,522.00</td> </tr> <tr> <td>RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2014-15)</td> <td>Rs. 51,41,998.00</td> </tr> <tr> <td>RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2015-16)</td> <td>Rs. 52,16,212.80</td> </tr> <tr> <td>RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2016-17)</td> <td>Rs. 52,72,940.00</td> </tr> </tbody> </table>	PARTICULARS	AMOUNT	UNITS	ACTUAL PROJECT COST	60.40	CRORE	5.6 % CAPITAL INVEST MENT	3.38	CRORE	0.85% RECURRING COST PER YEAR	51.34	LACS	PARTICULARS	AMOUNT	CAPITAL INVEST MENT	Rs. 36887832.95	RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2012-13)	Rs. 59,55,508.00	RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2013-14)	Rs. 51,83,522.00	RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2014-15)	Rs. 51,41,998.00	RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2015-16)	Rs. 52,16,212.80	RECURRING COST FOR ENVIRONMENTAL POLLUTION CONTROL MEASURE (2016-17)	Rs. 52,72,940.00
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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 copies of the clearance letter have been put on the website. www.ecocement.in
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, 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.
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 31st 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.


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 Authorised Signatory/Director

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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)

ECO CEMENTS LTD
Sanjay Kumar
 Authorised Signatory/Director

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ANNEXURE - 1

Stack Emission Level Monitoring Report for the period APR 2017 TO SEP 2017								
All Values in mg/m ³								
Sr. No.	Month & Year	Particulate Matter Emission (mg/Nm ³)						Standard Limit of Particulate Matter Emission
		Stack Attached with Bag House of Cement Mill	Stack Attached with Bag House of flyash unloader	Stack Attached with Bag House of Clinker & gypsum unloader	Stack Attached with Bag House of gypsum & clinker feeding	Stack Attached with DG 500 KVA	Stack Attached with DG 125 KVA	
1	Apr-17	25.6	24.8	25.1	26.5	39.1	44.6	50 mg/Nm ³
2	May-17	28.1	26.8	23.3	24.5	46.3	45.2	
3	Jun-17	26.6	23.9	21.1	26.8	53.4	42.6	
4	Jul-17	23.5	22.3	22.5	25.5	46.1	48.7	
5	Aug-17	25.6	20.2	20.1	27.6	50.3	51.6	
6	Sep-17	22.7	24.1	21.6	22.2	43.8	46.3	
Average Values		25.4	23.7	22.3	25.5	46.5	46.5	

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ANNEXURE - 2

Ambient Air Quality Monitoring Report (All Values in $\mu\text{g}/\text{m}^3$)

Year: 2017 - 2018 (APR 2017 TO SEP 2017.)

S. No	Location ---->	Near Main Gate				Near CCR				Near Canteen				Near Gypsum & Clinker Storage			
		Month	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	SO ₂
1	Apr-17	51.5	40.5	17.1	32.6	68.6	44.2	13.7	17.5	53.2	36.9	14.2	18.8	56.4	44.3	11.7	15.4
2	May-17	83.3	43.5	10.3	26.1	75.2	39.3	8.2	14.0	72.4	37.8	8.5	15.1	74.1	38.7	6.6	9.2
3	Jun-17	62.5	32.7	14.3	22.7	56.4	29.5	9.5	10.6	54.3	28.4	11.6	17.3	55.6	29.1	10.4	16.1
4	Jul-17	55.0	28.8	16.4	19.3	49.7	25.9	10.9	12.2	47.8	24.9	13.4	19.9	48.9	25.6	12.0	18.5
5	Aug-17	56.1	33.3	14.0	18.3	60.5	35.9	9.3	11.6	55.1	32.7	11.4	14.9	66.1	39.2	18.2	17.6
6	Sep-17	62.8	37.2	8.7	13.9	57.5	34.1	7.9	12.9	52.4	31.1	9.7	11.2	53.3	31.6	11.9	17.4
Average		61.87	36.0	13.47	22.15	61.32	34.82	9.917	13.13	55.87	31.97	11.47	16.2	59.1	34.75	11.8	15.7

ECO CEMENTS LTD
Sanchu
 In-charge Signatory/Director

ANNEXURE - 3

Fugitive Dust Emission Level Monitoring Report for the period APR 2017 TO SEP 2017						
Concentration of Total Dust (All Values in mg/m ³)						
Sl.No.	Month	Mill Section Ground Floor	Mill Section 1st Floor	Mill Section 2nd Floor	South Side of Mill Section	North side of Mill Section
1	Apr-17	5.91	7.81	6.46	7.22	5.53
2	May-17	6.75	5.15	7.39	6.68	5.99
3	Jun-17	6.11	7.38	5.74	6.48	7.82
4	Jul-17	7.17	5.87	6.94	5.62	7.31
5	Aug-17	6.24	5.20	5.65	7.21	6.47
6	Sep-17	6.89	7.72	5.43	6.12	7.59
Average		6.51	6.52	6.27	6.56	6.79

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ANNEXURE - 4

(I) WATER CONSUMPTION:

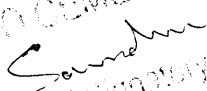
Process	N.A. (As plant is based on dry process technology)
Cooling and Dust Suppression	241.86 KL
Domestic (6 months)	243.00 KL

Name of Product	Process water consumption per unit of product Output	
	During Current Financial Year(2016-17)	During Current Financial Year(2017-18)
PPC Cement	0.00119 KL/ MT OF CEMENT PRODUCTION	0.00125 KL/ MT OF CEMENT PRODUCTION

Note:

*We have 27 Workers in our factory.

*Our current year production FROM APR - 2017 TO SEP -2017 is 193491.145 MT.

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ANNEXURE – 5
HAZARDOUS WASTE
(As specified under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008)

Hazardous Waste	Total Quantity (Ltrs)	
	During Current Financial Year (OCT 2016-MARCH 2017)	During Current Financial Year (APR 2017-SEP 2017)
	We are having common authorization for Hazardous Waste Management & Handling for Clinker Grinding Unit (Cement 1.0 MTPA ,500 &125 KVA D. G. Set)	
a) From Process, Cement manufacturing (Grinding) is based on "Dry Process" No Hazardous waste is generated from the process except used oil which is drained from Machinery / Equipments	Total Quantity Generated in OCT16 – MARCH17: 55 Ltrs Old Stock : 920 Ltrs Sale out : NIL Ltrs Balance : 975 Ltrs	Total Quantity Generated in OCT 2016-MARCH 2017: 55 Ltrs Old Stock : 975 Ltrs Sale out : NIL Ltrs Balance : 1030 Ltrs
(b) From Pollution Control Facilities	N.A	N.A

ECO CEMENTS LTD

 Authorised Signatory/Director

ANNEXURE - 6

Ambient Noise level Monitoring Report From APR 2017 TO SEP 2017 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))
1	Apr-17	72.1	69.2	70.9	65.2	67.3	75dB(A) in day & 70 dB(A) in night
2	May-17	68.9	70.8	66.4	64.2	68.3	
3	Jun-17	73.2	72.3	69.7	63.3	64.4	
4	Jul-17	70.5	69.5	64.8	68.6	66.1	
5	Aug-17	69.4	71.6	67.1	64.9	65.1	
6	Sep-17	71.6	68.3	66.8	65.5	67.1	
Average Values		71.0	70.3	67.6	65.3	66.4	

ECO CEMENTS LTD
Authorised Signatory/Director

ANNEXURE - 7

LOAD / MASS BASED DATA

Sr. No.	YEAR/MONTH	STACK ATTACHED TO	Pollution Control Measures	Dimension of Stack, Mtr	Temp.	Velocity (m/sec)	Flow (Nm ³ /Hr.)	PM (Mg/Nm ³)	OUT PUT Tone/Hr	PM IN Kg/Tone
1	APR-SEP 2017	CEMENT MILL	BAG HOUSE	1.20	48	8.2	33369	25.4	100	0.0085
2		FLYASH UNLOADER	BAG HOUSE	1.05	51	7.4	23056	23.7	25.000	0.0219
3		CLINKER AND GYPSUM UNLOADING	BAG HOUSE	0.75	51	7.2	10530	22.3	77.000	0.0030
4		CLINKER AND GYPSUM FEEDING	BAG HOUSE	0.60	50	6.8	6918	25.5	77.000	0.0023

TOTAL CEMENT PRODUCTION (MT):


During Previous Financial Year (2016-2017)	During Current Financial Year (2017-2018)
260414.338	193491.145

(I) RAW MATERIAL CONSUMPTION: (CEMENT PLANT)

Name of Raw Material	Name of Product	Consumption of Raw Material per unit of Output (Cement)	
		During Previous Financial year (16-17)	During Current Financial year (17-18)
		PPC Cement	
Clinker		0.741	0.715
Gypsum		0.036	0.055
Fly Ash		0.252	0.250

NOTE:-

CPCB / MOEF&CC formulated norms for clinker grinding unit for PM emission and SO₂, NO_x & PM for kiln stack. There is no load based standards formulated for clinker grinding unit, it is formulated only for kiln stack (MoEF notification no. GSR 612(E) dated 25 Aug 2014). However reports (Annex) are enclosed for your kind reference.


ECO CEMENTS LTD
 Authorised Signatory/Director



Application No: OR506N003316
Telephone No.: 2281776/2281250/2282265
E-mail- bspcb@Yahoo.com

Bihar State Pollution Control Board, Patna

(TO BE SUBMITTED IN TRIPLICATE)

APPLICATION FOR CONSENT FOR EMISSION/CONTINUATION OF EMISSION UNDER SECTION 21 OF THE AIR(PREVENTION AND CONTROL OF POLLUTION)ACT, 1981

From
ECO CEMENTS LTD., 1644, BHERIA ROAD,
KULHARIA, DURGAUTI, KAIMUR, BHABUA,
BIHAR
City:DURGAUTI
Block:DURGAWATI
District:KAIMUR

Dated:
14/04/2017

To

The Member Secretary,
Bihar State Pollution Control Board
Patna

Sir,

I/we hereby apply for CONSENT under Section 21 of the Air(Prevention and Control of Pollution)Act, 1981(14 of 1981) to emit and operate an Industrial Plant in the Air Pollution Control Area, owned by

1. Mr/Mrs BIPIN AGARWAL for a period upto 5 years
2. The Annexure, appendices, other particulars and plans are attached herewith in triplicate.
3. I/We further declare that the information furnished in the Annexure/Appendices and plans are correct to the best of my/our knowledge.
4. I/we hereby submit that in case of change either of the point or the quantity of emission or of its quality a fresh application for CONSENT shall be made and until such consent is granted no change shall be made.
5. I/we hereby agree to submit to the Board application for renewal of CONSENT one month in advance of the date of expiry of the consented period for emission to be continued thereafter.
6. I/We undertake to furnish any other information within one month of its being called by the Board.

Accompaniments:-

1. Project Report2 (Attached)
2. Copy of the analysis report of representative samples carried out by the approved laboratory (Attached)
3. Environment Impact Assessment Report (if any) (Attached)
4. Copy of Environmental Clearance (if any) (Attached)
5. Land Ownership Documents (Registration) (Attached)
6. Land Diversion Certificate (Attached)
7. Undertaking* (Attached)
8. Previous CTO CTE order* (Attached)
9. Compliance report* (Attached)

Signature *Bipin Agarwal*

Name of the applicant: BIPIN AGARWAL

Address of the Applicant: 72, JAWAHAR NAGAR
EXTN., BHELUPUR, VARANASI

Constitutional provisions on environment

Article 48-A of the Indian Constitution provides in the words, 'the state shall Endeavour to protect and improve the Environment and to Safeguard the forests and wildlife of the country'.

The Constitution further provides under Article 51-A(g)-'It shall be the duty of every citizen of India to protect and improve the natural Environment including forests, lakes, rivers and wildlife and to have compassion for living creatures'.



Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation



Application for Issue of NOC to Abstract Ground Water (NOCAP)

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Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation
Applications for Issue of NOC to Abstract Ground Water (NOCAP)

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/254/BR/IND/2017

1. General Information:

Water Quality: Fresh Water

Application Type Category/ Type of Application: Cement Industry

(i) **Name of Industry:** ECO CEMENTS LTD

(ii) **Location Details of the Industrial Unit- (Attach Site Plan and Certified Revenue Sketch) (\$)**

Address Line 1 : 1644, BHERIA MORE

Address Line 2 : KULHARIA

Address Line 3 : DURGAUTI

State: BIHAR

District: KAIMUR (BHABUA)

Sub-District: DURGAWATI

Village/Town: Bheria

Area Type : Non-Notified

Area Type Category : Safe

(iii) **Communication Address**

Address Line 1: 1644, BHERIA MORE

Address Line 2: KULHARIA

Address Line 3: DURGUATI

State: BIHAR

District: KAIMUR (BHABUA)

Sub-District: DURGAWATI

Pincode: 825501

Phone Number with Area Code:

Mobile Number: 91 9935518400

Fax Number:

E-Mail: ba.ecocement@gmail.com

(iv) **Salient Features of the Industrial Activity:**

Grinding of Clinker to manufacture cement.

(v) **Land Use Details of the Existing / Proposed Industrial Unit Premises Ownership of the Land : Enclose Documents of Ownership / Lease: (\$)**

Land Use Details	Existing (sq meter)	Proposed (sq meter)	Grand Total (sq meter)
Green Belt Area	28328.00		28328.00
Open Land	36932.00		36932.00
Road/ Paved Area	10866.00		10866.00
Rooftop area of building/ sheds	8210.00		8210.00
Total	84336.00		84336.00

(vi) **Drainage in the Area (River/ Nala etc) :** Karmnasha River

(vii) **Source of Availability of Surface Water for Industrial Use (if any – Furnish Details):** Bore-Well

(viii) **Average Annual Rainfall in the Area (in mm):** 957.50

- (ix) Townships / Villages (Within 2km Radius of the Industrial Unit): Bheria Village
- (x) Whether Ground Water Utilization for: Existing Industry
- Date of Commencement Industry: 05/08/2012
- Date of Expansion :

2. Details of Water Requirement (Fresh and Recycled Water Usage):

(Please Enclose Water Flow Chart of Activities and Requirement of Water at each Stage) (\$)

(i) Total Water Requirement (a+b+c+d) (m3/day)

	Existing	Proposed	Total
Water Requirement Details (Fresh Water) (m3/day)			
(a) Ground Water Requirement (m3/day):	4.28	0.00	4.28
(b) Surface Water Available (Canal, River, Ponds etc.) (m3/day):	0.00	0.00	0.00
(c) Water Supply from Any Agency (m3/day):	0.00	0.00	0.00
Total Fresh Water Requirement (a+b+c)(m3/day):	4.28	0.00	4.28
(d) Recycled Water Usage (m3/day):	0.00	0.00	0.00
Total Water Requirement : (a+b+c+d)(m3/day)	4.28	0.00	4.28

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Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation



Application for Issue of NOC to Abstract Ground Water (NOCAP)

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Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation
Applications for Issue of NOC to Abstract Ground Water (NOCAP)

**Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)**

Application Number : 21-4/254/BR/IND/2017

(ii) Breakup of Water Requirement and Usage:

Activity	Existing Requirement (m3/day)	Proposed Requirement (m3/day)	Total Requirement (m3/day)	No. of Operational Days in a Year	Annual Requirement (m3/year)
Industrial Activity	2.28	0.00	2.28	330	752.40
Residential / Domestic	2.00	0.00	2.00	330	660.00
Greenbelt Development /Environment Maintenance	0.00	0.00	0.00	0	0.00
Other Use	0.00	0.00	0.00	330	0.00
Grand Total	4.28	0.00	4.28		1412.40

(iii) Breakup of Recycled Water Usage:

	(m3/day)	(Days)	(m3/year)	
(a) Total Waste Water Generated :		1.50	365	547.50
(b) Quantity of Treated Water Available	0.00			
i). Reuse in Industrial Activity:		0.00	330	0.00
ii). Reuse in Green Belt Development:		1.50	0	0.00
iii). Other Uses:		0.00	330	0.00
(c) Total Treated Water Utilized:		1.50		0.00

Net Ground Water Requirement: 4.28 (m3/day)

3. (a). Groundwater Abstraction Structure- Existing:

Number of Existing Structures: 1

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (m)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether Fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof
1	Borewell / 2012	80.00 / 65	30.00	4.00	1 / 365	Submersible Pump	3.00	No	No / -

(b). Groundwater Abstraction Structure- Proposed:

Number of Proposed Structures: 0

SNo.	Type of Structure Name / Year of Construction	Depth (Meter) / Diameter (mm)	Depth to Water Level (Meters below Ground Level)	Discharge (m3/Hour)	Operational Hours (Day) / Days (Year)	Mode of Lift Name	Horse Power of Pump	Whether fitted with Water Meter	Whether Permission Registered with CGWA / If so Details Thereof

4. Groundwater Availability (Please Enclose a Comprehensive Report / Note on Groundwater Condition / Groundwater Quality in and Around the Area) Applicable to Industries Consuming Greater Than 500 m3/day and / or having a Land Area of Greater Than 2 Ha. - (\$)

Water Table is 30 meter deep

5. Details of Rainwater Harvesting and Artificial Recharge Measures for Groundwater Recharge in the Area. If the Firm has Proposed to take up Rainwater Harvesting and Recharge outside the Industrial Unit Premises, then provide NOC from the Concern Authority / Agency where the Harvesting Measures are Proposed, if Already implemented,

details may be furnished. (Attach Report on Comprehensive & Feasible Rainwater Harvesting / Recharge Proposal).- (\$)

Recharge Pit of 270 meter by 7 meter and 5.5 meter deep is present for rain water harvesting.

6. Copy of Referral Letter seeking NOC from CGWA from Central Pollution Control Board / State Pollution Control Board / Bureau of Indian Standards / Ministry of Environment and Forests / Other Central / State Agencies shall be Annexed.- (\$)

Attached Referral Letter

S.No	Attached Referral Letter	Attachment Name	File Name
1	Central Pollution Control Board	Referral Letter	Referral Letter.PDF

7. Have You Applied Earlier for Groundwater Clearance from CGWA / State Government Agency:

If Yes, so Details thereof with Status:

INDUSTRIAL USE- Self Declaration

- It is to Certify that the Data and Information Furnished Above are True to the Best of My Knowledge and Belief and I am Aware that if Any Part of the Data / Information Submitted is Found to be False or Misleading at Any Stage the Application will be Rejected Out Rightly.

1. Application Proforma is Subject to Modification from Time to Time.
2. Application should be submitted to Regional Office.

Regional Director, Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, PATNA, BIHAR, 800011

3. Incomplete Application will be Summarily Rejected.

Submitted Application will not be Processed till the Print Out of the Signed Complete Application is Submitted to Regional Office.

4. Applicant has to Submit Processing Fee of Rs. 1000.00/- (Rupees One Thousand Only) in the form of Demand Draft drawn in Favour of PAO, CGWB and Payable at Faridabad, Haryana.

Demand Draft Details:-

D.D. No.

Dated :

Bank Name:

Amount:

Note:- The Processing Fee is Non-Refundable. Applicant should ensure and Check Eligibility of Submission of Application and Required Documents before Submitting Online Application.

Attached Files:

26/05/2017 12:44 PM

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Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation



Application for Issue of NOC to Abstract Ground Water (NOCAP)

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Applications for Issue of NOC to Abstract Ground Water (NOCAP)

Application for Permission to Abstract Ground Water for Industrial Use
(Application For New NOC)

Application Number : 21-4/254/BR/IND/2017

1). **Site Plan : (Refer: 1 (ii))**

S.No	Attachment Name	File Name
1	SITE PLAN	SITE PLAN.pdf

2). **Certified Revenue Sketch : (Refer: 1 (ii))**
No Attachment Found!

3). **Documents of Ownership / Lease : (Refer: 1 (v))**

S.No	Attachment Name	File Name
1	Land Possession Certificate	Land_Possession_Certificate (1).PDF

4). **Source of Availability of Surface Water : (Refer: 1 (vii))**
No Attachment Found!

5). **Enclose Flow Chart of Activity and Requirement of Water: (Refer: 2)**
No Attachment Found!

6). **Groundwater Availability Report : (Refer: 4)**
No Attachment Found!

7). **Details of Rainwater Harvesting / Artificial Recharge Measures : (Refer: 5)**

S.No	Attachment Name	File Name
1	Rainwater Harvesting	Rainwater Harvesting.pdf

8). **Authorization :**
No Attachment Found!

10). **Non-Polluting Effluent :**

S.No	Attachment Name	File Name
1	Non-Polluting Effluent	None-Polluting Effluent.pdf

11). **Extra Attachment :**
No Attachment Found!

12). **Scanned Industrial Application :**
No Attachment Found!

Date : _____ Name & Signature of the applicant
Place : _____ (With official seal)

Associated User : ecocement
Submitted By User : ecocement
Submission Date : 26/05/2017

* In case signed by any authorized signatory, the details of the signatory with the authorization shall be enclosed.

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Union Bank

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प्रमाणित हस्ताक्षर / Authorized Signatures

069871 0000260001: 000029* 16

ECO CEMENTS LTD

Authorised Signatory / Director



EXTRACT OF THE BOARD MEETING OF BOARD OF DIRECTORS OF M/S ECO CEMENTS LIMITED HELD AT ITS REGISTERED OFFICE AT 1E, 1ST FLOOR, ASHUTOSH APARTMENT, 295/2 GT ROAD SALKIA HOWRAH, (W.B.) ON 01/07/2012 AT 11 AM

The Board of Directors has decided in its meeting after due deliberation and discussion regarding final completion and its cost of Project and date of commercial production of Cement Grinding Unit at Bhabhua, Bihar, which are as follows:

"RESOLVED THAT It is hereby decided to approve the total Cost of Cement Grinding Unit at Bhabhua Bihar is Rs. 60.40 Crores and the unit has completely installed and ready for Commercial Production as compared to Estimated Cost of Project of Rs. 100 Crores."

"FURTHER RESOLVED THAT it has decided to start commercial Production from The Cement Grinding Unit at Bhabhua Bihar from 05/07/2012 and Mr. Bipin Kumar Agarwal, Director be and hereby authorized to inform all the concerned Departments and Authorities in this respect."

-sd-

CHAIRMAN OF THE MEETING

CERTIFIED TRUE COPY

FOR: ECO CEMENTS LIMITED
ECO CEMENTS LIMITED

Bipin Kumar Agarwal

Director

Date: 10/11/2017

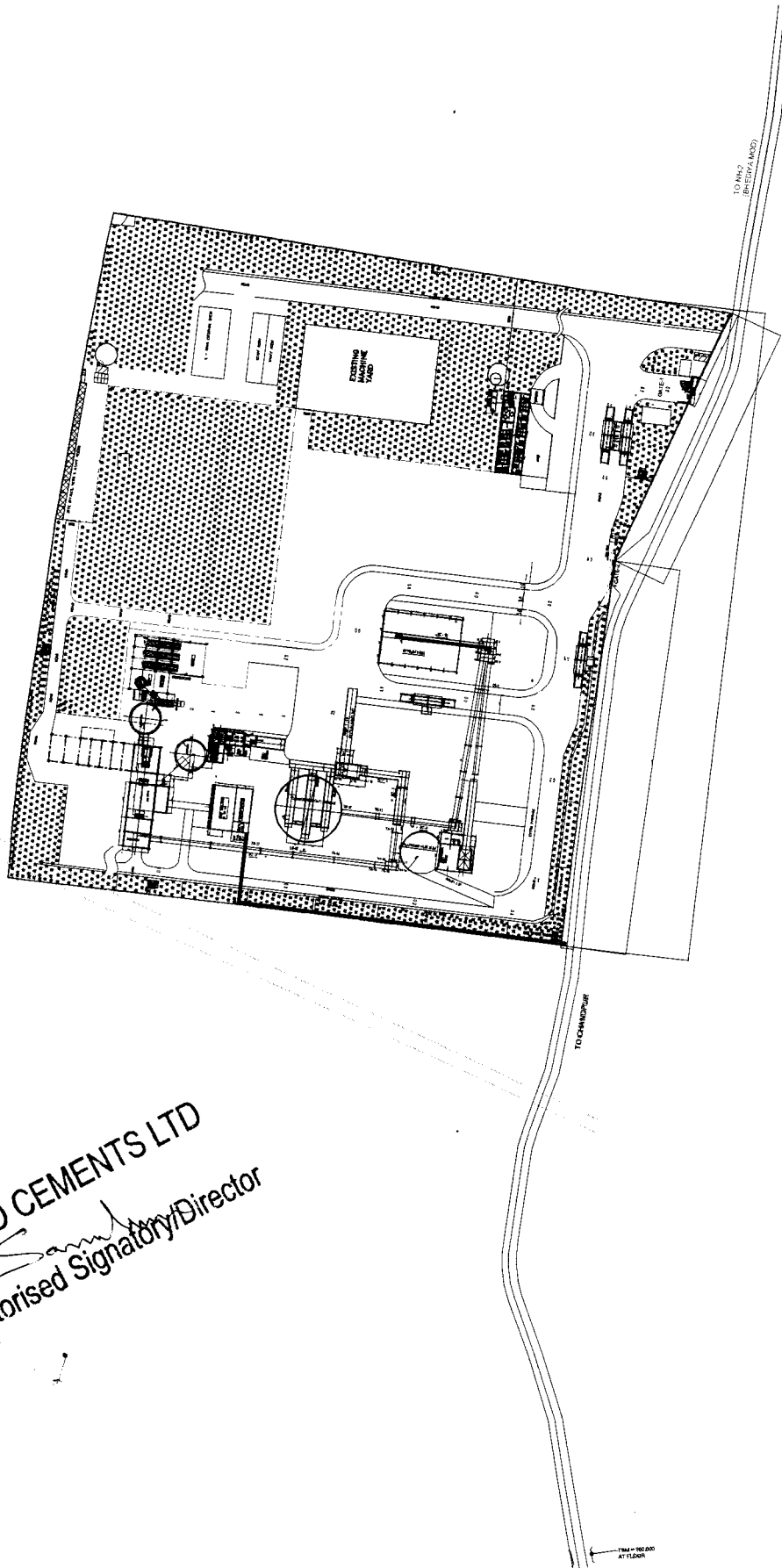
Place: Howrah

ECO CEMENTS LIMITED

REGD. OFF.: 1-E, 1ST FLOOR, ASHUTOSH APARTMENT, 295/2, GT ROAD, HOWRAH -700013

FACTORY: PLOT NO. 1644, BHERIYA ROAD, KULHARIA, DURGAUTI, BHABHUA, BIHAR

ZONAL OFF: 72, JAWAHAR NAGAR EXTN. BHELUPUR, VARANASI-221010 TEL.: 0542-2277074



ECO CEMENTS LTD
Sandeep
 Authorised Signatory Director

PROJECT :
ECO CEMENTS LTD.
BHABUA, BIHAR

LEGEND:

DRAIN/NALA/POND	----
BITUMEN ROAD	=====
PLOT BOUNDARY LINE	-----
EARTH ROAD	=====
HAND PUMP	⊕
TREE	⊙
TEMPORARY BENCH MARK (100 000)	⊕
ELECTRIC POLE	⊕
TELEPHONE POLE	⊕
PERMANENT STRUCTURE	▨

- NOTES:**
1. ALL DIMENSIONS ARE IN METRES.
 2. ALL LEVEL ARE IN METRES.
- GRID=5.0X5.0M EACH
 TOTAL AREA = 79042.828 Sq.M

SUB. TITLE:
SITE PLAN



SCALE: 1:1000
 DRN BY: ANIL
 DATE: OCT -2014

CHECKED BY:
 DRG. NO.: ECO/BHR/SITE PLAN/RS/2010