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SHREE CEMENT LTD.

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BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA
SCL/OCP/ENV/2019-20/ 11334



Date: 25/11/2019

To
The Member Secretary,
State Environment Impact Assessment Authority, Odisha,
5 RF-2/1, Acharya Vihar, Unit-IX
Bhubaneswar, Odisha 751022

Sub: - Half yearly Compliance Condition of Environmental Clearance of Odisha Cement Plant (A Unit of Shree Cement Ltd) at Village- Chandrabali shyampur, Tehsil-Athgarh, Dist.- Cuttack Odisha

Ref: - SEIAA Ref. No 5859/SEIAA Dated: 31.08.2018.

Dear Sir,

Kindly refer to the above subject matter and referred letter. We are submitting herewith the point wise compliance of condition of the above Environmental clearance for the period of **April- 2019 to September- 2019.**

This is for your necessary submission please.

Thanking you,

Yours faithfully,

**For M/s Odisha Cement plant
(A Unit of M/s Shree Cement Ltd.)**

(Dr. Anil Kumar Trivedi)
Sr. General Manager (Environment)

Copy to:

- 1) The Director (Mines), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110 003
- 2) The Member Secretary, West Bengal Pollution Control Board, Parivesh Bhavan, 10 A, Block L.A., Sector-III, Salt Lake City, Culcutta-700098
- 3) The Member Secretary, Odisha State Pollution Control Board, 1-A/6, Swati Villa, Surya Vihar, Link Road, Cuttack, Odisha-753012

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Compliance of Environment Clearance Conditions issued by State Level Environment Impact Assessment Authority Reference no. 5859/SEIAA Dated 31.08.2018. for the Proposed Clinker Grinding Unit with capacity of 5.5 MTPA Cement (OPC,PPC,PSC) in phase manner (phase-I: 3.0 MTPA Cement and phase-II, 2.5 MTPA Cement) along with 20 MW Captive Power Plant in 2nd phase and residential colony at Village- Chandrabali shyampur, Tehsil-Athgarh, Dist.- Cuttack Odisha for the period from April-2019 to September-2019.

S. No.	Conditions	Compliance
I. Monitoring of Compliance		
i	The project proponent shall obtain clearance under the provisions of Forests (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable to this project as no forest land is involved within the project.
ii	The Project Proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not applicable to this project as No Wildlife Sanctuary and schedule-I species presence within the 10 km aerial distance from the project site.
iii	The wildlife proponent shall prepare site-specific Conservation plan & Wildlife Management plan and approved by Chief Wildlife Warden. The recommendations of the approved site-specific Conservation plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the Six monthly compliance report (in case of the presence of schedule-I species in the study area).	Rs. 1.44 cr. has been deposited on dated 01/09/2018 in CAMPA account no. 520101263743655, intimation of same was submitted to DFO Athagarh, vide letter dated 03/09/2018. Pollution control equipment is under Installation.
iv	The project proponent shall obtain consent to establish/ operate under the provisions of Air (prevention & control of pollution) Act, 1981 and the Water (prevention & control of pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Consent to Establish has been obtained vide letter no. 7467 IND-II-NOC-6109 dated 25.06.2018.
v	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project.	Permission from CGWA for extraction of ground water has been granted vide letter no. CGWA/NOC/IND/ORIG/2018/3428 dated 05 April 2018.
vi	The project proponent shall obtain the Authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Agreed with. The Authorization under the Hazardous and other Waste Management Rules, 2016 will be obtained.
II. Air Quality monitoring and preservation		
i	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (protection) Rules 1986 (GSR No. 612(E) dated 25 th S.O. 3305 (E) dated 7 th December 2015 (Thermal power plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (protection) Act, 1986 or NABL accredited laboratories.	Agreed with. Continuous emission monitoring system is under installation at process stack to monitor stack emission with respect to standards prescribed and same will be connected to SPCB and CPCB online servers.
ii	The project proponent shall monitor fugitive in the plant premises at least in every quarter through labs recognized under Environment (protection) Act 1986.	Noted & Will be complied.

iii	The project proponent shall install system carryout to Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emission) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), converting upwind and downwind directions (case to case basis small plants. Manual; large plants; continuous). Data on ambient air quality and stack emission shall be regularly to the SEIAA, Odisha Regional office, MoEF&CC, Bhubaneshwar and the SPCB/CPCB once in six month.	Agreed with. 04 Nos. ambient air quality monitoring station under commissioning for the monitoring of main pollutants (e.g. PM10, PM2.5, SO ₂ & NOx) and report will be furnished to PCB accordingly.
iv	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack Monitoring and manual monitoring of air quality/ fugitive emissions to the Regional Office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB along with six-monthly monitoring report.	Noted. Six monthly report will be submitted to the regional office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB.
v	Appropriate Air Pollution Control (APC) system shall be provided for all the first generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Agreed with. Air Pollution Control (APC) system under commissioning for all the dust generating points (viz. material transfer point, hoppers, cement silo, Cement bulk silo etc.) to comply prescribed standards.
vi	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Agreed with. Mechanised bag cleaning facilities will be provide for better maintenance of bags.
vii	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	CREP guidelines will be followed.
viii	Sufficient number of mobile or stationary vacuum cleaners shall be provide to clean plant road, shop floors, rods, regularly.	Agreed with. Vacuum cleaners will be provided for better housekeeping.
ix	Ensured covered transportation and covering of raw materials to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Covered transportation, conveying of raw material and closed bulkers will be used.
x	Provide wind shelter fence and chemical spraying on the raw material stock piles.	Agreed with. Wind shelter fence and dust suppression system will be provided for the control of fugitive emissions.
xi	Provide low NOx burners as primary measures and SCR/NSCR technologies as secondary measure to control NOx emissions.	Not Applicable for Cement grinding unit.
xii	Have separate truck parking area and monitor vehicular emissions at regular interval.	Agreed with. Separate truck parking will be made and only PUC certified vehicle will be allowed.
xiii	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.	Agreed with. Covered conveyor belts with the provision of bag filters at transfer points will be used for the transport of the raw materials and end product to reduce the impact on surrounding environment.
xiv	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants.	Agreed with. Ventilation system will be provided for adequate air changes for all tunnels, motor houses cement bagging plants.

III. Water quality monitoring and preservation		
i	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (protection) Rules 1986 vide G.S.R.No.612 (E) dated 25 th August, 2014 (cement) and S.O. 3305 (E) dated 7 th December 2015 (Thermal power plant) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (protection) Act, 1986 or NABL accredited laboratories (case to case basis small plants; Manual; large plants; Continuous).	Not applicable to this project as no trade effluent will be generated from the operation. STP will be provided capacity of 60 m ³ /day for treatment of domestic effluent and treated water will be used in gardening.
ii	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/ sampling weeks in the plant and adjacent areas through labs recognized under Environment (protection) Act,1986 and NABL accredited laboratories.	Agreed with. Ground water quality will be monitored twice a year (pre and post monsoon) through recognised labs and piezometer wells for the monitoring of ground water levels.
iii	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to SEIAA, Odisha Regional office, MoEF&CC Bhubaneswar and the SPCB/CPCB once in six month..	Continuous effluent monitoring is not applicable as industry adhere "zero liquid discharge". Six monthly report of manual monitoring of ground water quality will be submitted to the regional office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB.
iv	Adhere to 'Zero Liquid Discharge'.	Agreed with. Zero liquid discharge will be complied.
v	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	Sewage treatment plant will be provided capacity of 60 m ³ /day for treatment of domestic wastewater and treated water will be used in gardening purpose.
vi	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution sure to surface run off.	Agreed with. Separate drainage system, garland drains and collection pits will be provided for each stock pile to arrest the run-off in the event of heavy rains.
vii	The project proponent shall practice rain water harvesting to maximum possible extent and efforts shall be made to use of harvested rain water.	Agreed with. Rainwater harvesting practice will be adopt to recharge the ground water.
viii	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Water metres will be provided at the inlet to all processes in the cement plant.
ix	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Agreed with. Efforts will be made to minimise water consumption. Domestic effluent will be treated STP and treated water will be used on land for gardening.
IV. Noise monitoring and prevention		
i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six monthly compliance report.	Monitoring of noise level will be done as per the prescribed guidelines and report will be submitted to Regional Officer of the Ministry as a part of six monthly compliance report.
ii	The ambient noise levels should confirm to standards prescribed under E(P) Rules, 1986 viz.75 dB (A) during day time and 70 dB (A) during night time.	Agreed with. Acoustic hoods, silencers, enclosures will be provided for meeting the ambient noise standards.

V. Energy Conservation measures		
i	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, Street lights, parking around project area and maintain the same regularly.	Agreed with. Solar power generation arrangements will be provided on roof tops of buildings, for solar light system at all common areas, street lights, parking area and will maintain the same regularly.
ii	Provide the project proponent for LED lights in their offices and residential areas.	Agreed with. LED lights will be provided in office areas.
iii	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.	Agreed with. Fly ash will be used in cement manufacturing as per BIS standards
VI. Waste management		
i	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.	Agreed with. Used/spent oil (Cat. 5.1) will be generated and disposed through sales to CPCB/SPCB authorized recycler and pre-processors.
ii	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on types and sizes of plant)	Noted & will be complied.
VII. Green Belt		
i	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The green belt shall inter alia cover the entire periphery of the plant.	Agreed with. Green Belt will be developed as per CPCB guidelines.
ii	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Agreed with. Company will follow the Cement Sustainability Initiative (CSI) CO2 and "Energy Accounting and Reporting Standard for the Cement Industry" for the calculation of the GHG emissions.
VIII. Public hearing and Human Health issues		
i	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster management plan shall be implemented.	Noted. Emergency preparedness plan and disaster management plan shall be implemented will be implemented.
ii	The PP shall provide personal protection equipment (PPE) as per the norms of Factory Act.	Noted and adequate PPEs will be provide as per the norms of factory Act.
iii	Provision shall be made for the housing construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted. Provision will be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, Medical Health Care, crèche etc.
IX. Corporate Environment Responsibility		
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 st May 2018, as applicable, regarding Corporate Environment Responsibility.	Agreed with. Company will comply the provision regarding Corporate Environment Responsibility through implementation of EMP & CSR activities
ii	The company shall have a well laid down environmental policy duly approved by the Board of Directors, The environmental policy should prescribed for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the	Company already have corporate environmental policy and system of the reporting of any infringements/ non-compliance of EC conditions. Same will be followed in the proposed clinker grinding unit.

	environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forests/ wildlife norms/ conditions and/or shareholders/ stake holders. The copy of the board resolution on this regard shall be submitted to the MoEF&CC as a part of six monthly report.	Report will be submitted six monthly to the MoEF&CC time to time.
iii	A separate Environmental Cell both at the project and company head quarter, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.	Environment Management Cell with qualified staff will be establish.
iv	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year wise funds earmarked for environmental protection measures shall be kept in a separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the SEIA, Odisha/ Regional Office along with the Six monthly compliance report.	Agreed with. Action plan will be made for Implementation of EMP and environmental conditions. The year wise funds allocated for Environmental Protection measures in separate account and not divert to any other purpose. Progress report will be sent to the Ministry/Regional Office along with six monthly compliance report.
v	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted. Self-environmental audit will be carried out accordingly.
vi	All the recommendations made in the Charter on Corporate Responsibility for Environmental Protection (CREP) for the cement plants shall be implemented.	Noted and will be complied.
X. Miscellaneous		
i	The project proponent shall make public the environment clearance granted for their project along with the environmental conditions and safeguards at their costs by prominently advertising it at least in two local newspapers of the District or State, of Which one shall be in the vernacular language within seven days, and in addition this shall also be displayed in the project proponent's website permanently and a copy of the same should be forwarded to the Regional Office, MoEF&CC, Bhubaneswar as well as State Pollution Control Board, Odisha.	Environmental clearance vide letter no. 5859/SEIAA has been already published in two local newspapers. i.e. Odisha post and sambad and same has been displayed on industry website www.shreecement.com Copy of same has been submitted to the Regional Office, MoEF&CC, Bhubaneswar as well as State Pollution Control Board, Odisha.
ii	The copies of the environment clearance shall be submitted by the project proponents to the Heads of Local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of Environmental clearance has been submitted to the Heads of Local bodies, Panchayats and Municipal Bodies.
iii	The project proponent shall upload the status of the compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and update the same on half yearly basis.	Complied. Environmental clearance Compliance status is available in company website.
iv	The project proponent shall monitor the criteria pollutants level namely, PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Noted and monitored data will be displayed at a convenient location for disclosure to the public and website of the company.

v	The project proponent shall also submit six-monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitor data (both in hard copies as well as by E-mail) to the Regional office of MoEF&CC, Bhubaneswar, the respective Zonal office of CPCB, the SPCB and shall update the same on the environmental portal of the Ministry. The Regional office of MoEF&CC at Bhubaneswar/ CPCB/ SPSCB shall monitor the stipulated conditions.	We have submitted six monthly compliance report on the status of the compliance of the stipulated environmental conditions including results of monitored data hard copies as well as by-mail to the Regional Office of MoEF&CC, Zonal Office of CPCB and the SPCB.
vi	The project proponent shall submit the environmental statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under Environmental (protection) Rules, 1986, as amended subsequently and put on the website of the company and shall also be sent to the Regional Office of the MoEF&CC at Bhubaneswar by E-mail.	Environmental statement for each financial year ending 31 st march in form-V will be submitted to the State Pollution Control Board after starting the operation; also it will be put on the website of the Company along with the status of compliance of EC conditions and shall be sent to the regional office of the MoEF by e-mail.
vii	The project proponent shall inform the Regional Office as well as the SEIAA, Odisha, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted and will be complied.
viii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and we will follow the stipulations made by the State Pollution Control Board and the state government.
ix	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report commitment made during public hearing and also that during their presentation to the State Expert Appraisal Committee.	Agreed with. Company will implement all the commitments and recommendation made in the EIA/EMP report and during public hearing.
x	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.	Noted and No further expansion or modifications in the plant will be carried out without prior approval of the competent authority.
xi	Concealing factual data or submission of false/ fabricated data results in revocation of this environmental clearance and attract action under the provisions of Environment (protection) Act, 1986.	Noted.
xii	The SEIAA, Odisha may revoke or suspense the clearance, of implementation of any of the above conditions is not satisfactory.	Noted.
xiii	The SEIAA, Odisha reserves the right to stipulate the additional conditions of found necessary. The company in a time bound manner shall implement these conditions.	Noted.
xiv	The Regional office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the office (s) of the Regional Office by furnishing the requisite data/ information monitoring reports.	Noted and full cooperation will be provided.
A. Specific Conditions		
1.	Environmental clearance granted. Bulk of the transport will be by railways with permission of WR Dept. The water requirement will be sourced primary from Mahanadi River. Rain water harvesting system shall be installed so as to have the capacity to harvest	Agreed with. We have obtained permission 350 KLD (0.14 cusecs) from Department of water resource (Government of Odisha) vide no. 27241/WR., WR-MAJII-WRC-0030-2018(OSWAS) Irr.-II-

	all the precipitation in a year in the surface area inside the premises.	WRC-86/18(Physical) dated 27.10.2018 from Mahanadi River. Rainwater harvesting system will be adopted for the augmentation of ground water.															
2.	The Environmental Clearance is granted for installation of Clinker Grinding unit of capacity 5.5 MTPA for Production of Portland pozzolana cement (PPC), Ordinary Portland Cement (OPC) and Portland slag cement (PSC) in two phases (phase – I: 3.0 MTPA along with DG sets 2x500 KVA + 1x 250 KVA and please- II: 2.0 MTPA along with 20 MW Captive Thermal Power Plant and Residential Colony of 100 dwelling units).	Noted.															
3.	The unit shall comply the following prescribed stack emission standards attached to the ESP of Captive Power Plant as per the Gazette of MoEF&CC, Govt. Of India vide S.O.3305 (E), dated 07.12.2015. <table border="1" data-bbox="240 590 812 842"> <thead> <tr> <th>Sl. No.</th> <th>Parameters</th> <th>Prescribed standard (mg/Nm3)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Particulate matter (PM)</td> <td>30</td> </tr> <tr> <td>2.</td> <td>Sulphur Dioxide (SO₂)</td> <td>100</td> </tr> <tr> <td>3.</td> <td>Oxides of Nitrogen (NO_x)</td> <td>100</td> </tr> <tr> <td>4.</td> <td>Mercury (Hg)</td> <td>0.03</td> </tr> </tbody> </table>	Sl. No.	Parameters	Prescribed standard (mg/Nm3)	1.	Particulate matter (PM)	30	2.	Sulphur Dioxide (SO ₂)	100	3.	Oxides of Nitrogen (NO _x)	100	4.	Mercury (Hg)	0.03	Noted & will be complied.
Sl. No.	Parameters	Prescribed standard (mg/Nm3)															
1.	Particulate matter (PM)	30															
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4.	Mercury (Hg)	0.03															
4.	The National Ambient Air Quality Standards Issued by the MoEF&CC, Govt. of India vide G.S.R. No. 826. (E) Dated 16 th November, 2009 shall be followed.	Noted & will be followed accordingly.															
5.	Diesel Power generating sets proposed as source of backup power shall be of enclosed type and confirm to the rules made under Environmental (protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity off all proposed DG sets. Only more sulphur Diesel will be used. The location of the DG sets may be decided in consultation with State Pollution Control Board.	Not Applicable.															
6.	The height of the stack attached to the DG set shall confirm to the following: $H=h+0.2 \sqrt{KVA}$ (Where, h= Height of the building where it is installed in meter. KVA= Capacity of D.G. Set and H= Height of the stack in meter above ground level).	Not Applicable.															
7.	The proponent shall not use pet coke as fuel in Captive Power Plant (CPP) and Hot Air Generator (HAG).	Noted & will be complied.															
8.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land by the use of conveyors/ rail more of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.	Agreed with. Covered conveyor belts with the provision of bag filters at transfer points will be used for the transport of the raw materials and end product to reduce the impact on surrounding environment. Separate truck parking will be made and only PUC certified vehicle will be allowed.															
9.	Ground water shall only be used during construction period with prior approval from the concerned authority and obtain permission from concerned authorities for seawall of surface water for industrial purpose.	Permission for abstracting ground water is obtained from CGWA dated 05/04/2018. Also permission for use of surface water from Mahanadi is obtained from Department of water resource (Government of Odisha)															

		vide no. 27241/WR., WR-MAJII-WRC-0030-2018(OSWAS) Irr.-II-WRC-86/18(Physical) dated 27.10.2018.															
10.	<p>The domestic waste water generated from the residential colony shall be treated in Sewage Treatment Plant of capacity 60 KLD to meet the following standards as notified by the MoEF&CC, Govt. of India vide G.S.R.1265. (E), dated 13.10.2017. The treated water shall be reused for flushing, gardening and plantation to the maximum possible extent.</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Parameters</th> <th>Standards</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>pH</td> <td>6.5-9.0</td> </tr> <tr> <td>2.</td> <td>BOD (mg/l)</td> <td>30</td> </tr> <tr> <td>3.</td> <td>TSS (mg/l)</td> <td><100</td> </tr> <tr> <td>4.</td> <td>Fecal coliform (MPN/100ml)</td> <td><1000</td> </tr> </tbody> </table>	Sl. No.	Parameters	Standards	1.	pH	6.5-9.0	2.	BOD (mg/l)	30	3.	TSS (mg/l)	<100	4.	Fecal coliform (MPN/100ml)	<1000	Sewage Treatment Plant will be provided capacity of 60 m3/day for treatment of domestic effluent to meet the prescribed standards and treated water will be used in gardening.
Sl. No.	Parameters	Standards															
1.	pH	6.5-9.0															
2.	BOD (mg/l)	30															
3.	TSS (mg/l)	<100															
4.	Fecal coliform (MPN/100ml)	<1000															
11.	All the treated water shall be recycled and reused in the process and/ or for first suppression and green belt development and other plant related activities etc. No waste water shall be discharged outside the factory premises and Zero Liquid Discharge outside the factory premises and Zero Liquid Discharge (ZLD) shall be adopted.	Agreed with. Domestic sewage water will be treated in STP and treated water will be used for plantation purpose. RO reject water will be reused for mill spray and Zero liquid discharge will be complied.															
12.	Ash generated from Captive Power plant (CPP), Hot Air generator (HAG) and dust generated from APC devices shall completely reused in cement manufacturing process. Spent oil and batteries shall be sold to authorized recyclers/ re-processors only.	Ash generated from Captive Power plant (CPP), Hot Air generator (HAG) and dust generated from APC devices will be reused completely in cement manufacturing process.															
13.	STP sludge shall be used as manure for green belt development/ plantation.	Agreed with. STP sludge will be used as manure for green belt development.															
14.	Garbage / food waste from the colony, Canteen & Guest House shall be used for Vermicomposting and to be used as manure for greenbelt development.	Agreed with. Garbage/food waste generated from Canteen/Guest house/Colony will be used for Vermicomposting which will be used as manure for greenbelt development.															
15.	Green belt over 33% (22.56 acres as proposed) of the total project area shall be developed within plant premises with at least 10 meters wide green belt on all sides along the periphery of the project area and along road sides etc. By planting native and broad leaves species in consultation with local DFO, local community and as per the COCB guidelines.	Agreed with. Green Belt will be developed as per CPCB guidelines.															
16.	The project proponent shall provide solar light system for all common areas, Street lights, villages, parking around project area and maintain the same regularly. The proponent shall use solar/Renewable energy of 5% of the expected actual per requirement.	Solar lights in common area, street lights and parking area will be provided. However, feasibility of solar power generation on roof tops of building will be explored.															
17.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on public hearing issues, locals need and item-wise details along with the time bound action plan shall be prepared and submitted to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. Implementation of such program shall	All recommendation will be implemented along with the plant commissioning.															

	be ensured by constituting a committee comprising of the proponent, representatives of village and District Administration. Action taken report in this regard shall be submitted to the SEIAA Odisha as well as to the Regional Office, MoEF&CC, Bhubaneswar.	
18.	In addition to the above provision of ESC, the proponent shall prepare a detailed CSR plan for the next 5 years including annual physical and financial targets for the project, which includes village-wise, sector-wise (Health Education, Sanitation, Skill Development and infrastructure etc.) activities in consultation with the local communities and administration. The plan so prepared shall be based on SMART (Specific, Measurable, Achievable, Relevant and Time bound) concept. The expenditure should be aimed at the sustainable development and direct free distribution and temporary relief sold not be included. The CSR plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the companies Act, 2013 which provides 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and annual capital and revenue expenditure on various activities of the plan shall be submitted as a part of the compliance Report to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. The details of CSR plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.	Agreed. Detailed CSR plan for the next 5 years including annual physical and financial targets for the project activities in consultation with the local communities and administration will be prepared. A separate budget head will be allotted and annual capital and revenue expenditure on various activities of the plan will be submitted as a part of the compliance Report to the SEIAA, Odisha and Regional Office, MoEF&CC, Bhubaneswar. The details of CSR plan and Annual Report will also be uploaded on the company website.
19.	A Risk Assessment study and Disaster preparedness and management plan along with the mitigation measures shall be prepared with a focus on Disaster preventative and a copy submitted to SEIAA, Odisha, Regional Office MoEF&CC, Bhubaneswar, SPCB and CPCB within 3 months of issue of this environment clearance.	Noted. Risk Assessment study and Disaster preparedness and management plan will be prepared and submitted to SEIAA, Odisha, Regional Office MoEF&CC, Bhubaneswar, SPCB and CPCB.
20.	To educate the workers, all the work places where dust may cause a hazard shall be clearly indicates as a first exposure area through the use of display signs which identifies the Hazard and the associated health effects.	Noted & Complying. Display signs which identify the Hazard and the associated health effects are displayed at work places to educate workers.
B. General Conditions:		
1.	The construction and demolition wastes to be generated from the proposed project shall be disposed of in accordance with the provisions of "Construction & Demolition Wastes Management Rules 2016".	Noted & will be complied.
2.	Municipal waste shall be disposed of as per the solid Waste Management Rules, 2016 and amendment thereafter.	Agreed. Municipal waste will be disposed of as per the solid Waste Management Rules, 2016.
3.	The company shall develop rain water harvesting structure to harvest the rain water for utilization in the mean seasons besides recharging the ground water table.	Rainwater harvesting system will be developed for the augmentation of ground water.
4.	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	Environmental protection measures and safeguards recommended in EIA/ EMP will be implemented.

	Development Activities in the surrounding villages like Community Development Programmes, Educational programmes, drinking water supply and health care etc.	
5.	Project authorities shall inform the SEIAA, Odisha as well as the Regional Office, MoEF&CC, Bhubaneswar, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted & will be complied.
6.	The above conditions shall be enforced, inter-alia under the provisions of the Water (prevention & Control of pollution) Act,1974, the Air (prevention & control of pollution) Act, 198, the Environment (protection) Act, 1986, Hazardous & Other wastes (Management and Transboundary Movement) Rules, 2016 and the public (Insurance) Liability Act, 1991 along with their amendments and rules.	Noted.
7.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
8.	The above mentioned stipulated conditions shall be complied in a time-bound manner. Failure to comply with any of the mentioned above may result in cancellation of this environmental clearance and attract action under the provisions of Environment (protection) Act, 1986.	Noted.