

Reg. A.D.

CCW-II / Env / L-29 / 481
18.05.2022

To,
The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur, A – 209 & 218,
Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, **Jaipur (Raj.) – 304002**

Sub : Environment Clearance compliance report of New Chittor Cement Works (also known as Chanderia Cement Works, Unit-II) Distt.- Chittorgarh, Rajasthan.

Ref. : i). EC No. J -11011 / 33 / 95 – IA – II (I) dated 08.05.2008.
ii). EC No. J -11011 / 506 / 2010 – IA – II (I) dated 11.09.2012.

Sir,


Please find enclosed the Environment Clearance compliance report of New Chittor Cement Works (also known as Chanderia Cement Works, Unit-II) for the period – October, 2021 to March, 2022.

Soft copy of the same is also being sent on your email id: iro.jaipur-mefcc@gov.in.

For kind information please.

Thanking you,

Yours faithfully,
For: Chanderia Cement Works, Unit-II


(Vinod Paliwal)
GM (Sustainable Development)

Encloses: As above

Cc to :

The Central Pollution Control Board,
Zonal office (Central),
E-5, Link Road Number 3,
Ekant Park, Arera Colony,
Bhopal- 462016 (M.P.)

The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area,
Jhalana Doongari,
JAIPUR - 302 004 (Raj.)

May/June 2022

ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT

1.2 MTPA CEMENT PLANT "New Chittor Cement Works"

(also known as Chanderia Cement Works Unit- II)

at Chanderia, Distt. Chittorgarh, Rajasthan

MoEF Letter No. J-11011 / 33 / 95 – IA II (I) Dated 8th May 2008

A.	Specific Conditions	Compliance Status
(i)	The company shall comply with all the commitments made during public hearing held on 17 th February, 2005.	Complied with. All the commitments made during Public Hearing are complied.
(ii)	The Company shall comply with all the conditions mentioned in No Objection Certificate issued by Rajasthan Pollution Control Board vide their letter no. F.12(1676) RPCB/NOC/Grade.III/455 dated 31 st March, 2000 followed extension letter vide no.F.12(CH-47) RPCB/Grade.III /2037	Complied with.
(iii)	The company shall obtain the fresh permission for the water supply and raw material supply to the plant within 3 months from competent authorities and submit the documents to the ministry and its regional Office at Lucknow.	Rainwater collected in captive mine is being used. Lime stone- from existing captive mine. We have sufficient rainwater in our Mine pits for the above purpose and hence – "N.A."
(iv)	Total ground water requirement shall not exceed 1050 KLD and prior 'permission' for the drawl of ground water shall be obtained from the SGWB/CGWA and copy of the permission shall be submitted to Ministry's Regional Office at Lucknow within 3 months from the date of receipt of this letter. The project authorities shall install sewage treatment plant to treat domestic sewage and treated sewage shall be utilized for the green development, No waste water shall be discharged outside the premises and 'zero' discharged shall be ensured.	We have captive source of water in our premises by collecting rainwater in our mine pit. Plant domestic waste water being treated in STP and treated water used in horticulture/dust suppression.
(v)	In the proposed cement plant, the company shall install bag filters for kiln, raw mill, cement mill and coal mill sections instead of ESP's as earlier planned by project authorities. The company shall ensure that the particulate emissions from the stacks of the proposed plant shall not exceed 50 mg / Nm ³ .	To ensure the stack emission level within norms, we have installed Bag filters for Kiln, Raw Mill, Cement Mill, Coal Mill & ESP for Cooler and periodical measurement are being taken and the results are well within the limits. (Data enclosed as Annexure-1).
(vi)	The company shall install continuous monitoring facility for particulate emission in all the stacks and interlock arrangement with the air pollution control equipment shall be provided. In case of increase in emission level the manufacturing process shall automatically stop so that no excess pollution load shall go into the environment.	All the major stacks are attached with CEMS to monitor the emission level and real time data are being uploaded at RSPCB / CPCB servers.

(vii)	The company shall undertake regular ambient air quality monitoring at Chittorgarh fort and submit data to the Regional office of the Ministry of Environment and Forests and SPCB. The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan State Pollution Control Board (RSPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	<p>Ambient Air Quality at Fort in $\mu\text{g}/\text{m}^3$.</p> <table border="1" data-bbox="922 174 1528 450"> <thead> <tr> <th>Month</th> <th>PM10</th> <th>PM2.5</th> <th>SO₂</th> <th>NO_x</th> </tr> </thead> <tbody> <tr> <td>Oct, 21</td> <td>63</td> <td>32</td> <td>6</td> <td>25</td> </tr> <tr> <td>Nov, 21</td> <td>65</td> <td>34</td> <td>6</td> <td>21</td> </tr> <tr> <td>Dec, 21</td> <td>76</td> <td>41</td> <td>8</td> <td>33</td> </tr> <tr> <td>Jan, 22</td> <td>70</td> <td>37</td> <td>9</td> <td>35</td> </tr> <tr> <td>Feb, 22</td> <td>82</td> <td>35</td> <td>7</td> <td>24</td> </tr> <tr> <td>Mar, 22</td> <td>87</td> <td>43</td> <td>6</td> <td>21</td> </tr> </tbody> </table>	Month	PM10	PM2.5	SO ₂	NO _x	Oct, 21	63	32	6	25	Nov, 21	65	34	6	21	Dec, 21	76	41	8	33	Jan, 22	70	37	9	35	Feb, 22	82	35	7	24	Mar, 22	87	43	6	21
Month	PM10	PM2.5	SO ₂	NO _x																																	
Oct, 21	63	32	6	25																																	
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Mar, 22	87	43	6	21																																	
(viii)	The industry shall take effective measures to control the fugitive emissions in the cement bagging section of the existing unit. The workers shall not be allowed to work without wearing protective devices like face masks and hand gloves in the cement bagging section.	Bag filters installed at all packing machines. Facemask, hand gloves, safety shoes and helmets are provided to workmen.																																			
(ix)	Bag house/filters shall be provided to control the fugitive emissions during loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.	Bag filters wherever required has been provided. All raw material are stored in covered sheds.																																			
(x)	The company shall make all the internal roads pucca before commissioning of the production and with arrangement of water sprinkling along the roads in the premises.	The internal roads are cemented and engaged six nos water sprinkling tankers for dust suppression and 6 nos. vacuum cleaners for cleaning of roads.																																			
(xi)	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme should be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	Housekeeping is maintained as per the prescribed schedule. Periodical medical examination is being carried out for all the employees on regular basis, as per Factory Act and records being maintained.																																			
(xii)	The working space for environmental lab shall be enhanced as the existing one is found to be very congested and inadequate. The laboratory shall also be strengthened by posting qualified personnel.	A separate Environment Lab is developed with sufficient, qualified & experienced manpower for regular monitoring.																																			
(xiii)	Comprehensive Environmental Impact Assessment / Environmental Management Plan study must be carried out for existing and proposed cement unit and the captive mine due to proximity of the Chittorgarh fort before and after commissioning of the proposed cement plant.	Environmental Impact Assessment carried out before commissioning of the plant and another assessment carried out after commissioning and continuous operation of the plant.																																			
(xiv)	A regular survey shall be carried out within the radius of 10 km of the cement plant to assess the impacts of cement plants and mines on the health of population and vegetation.	Being complied.																																			

(xv)	The Company shall follow CPCB guidelines for development of green belt and control of secondary fugitive emissions. The company shall develop at least 30 m. wide uninterrupted green belt towards the chittorgarh Fort to mitigate the effect of residual and fugitive emissions.	More than 33% of the area is covered with greenbelt. Greenbelt developed between the Plant and the Fort.
(xvi)	The project authorities shall make effort to use high calorific value hazardous waste in the kiln and accordingly necessary provision in the kiln shall be made.	We are using high calorific value hazardous waste in the kiln as per the authorization. Presently we are co-processing TDI Tar, Waste mix solid & liquid, Textile industry sludge, Tyre chips, FMCG & plastic waste etc.
(xvii)	The project authority shall transport the raw material and the product in covered means. The vehicles used for transportation shall be maintained properly and comply with the prevailing standards for emission.	All the raw materials are transported in closed bulkers and trucks. Vehicles are maintained in good conditions.
(xviii)	Out of total 207.25 ha, 79 ha shall be developed as green belt as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission	A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hact, out of 207.25 Hact with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%.
(xix)	The project authorities shall provide a health center with all emergency medicines and ambulance along with full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	We have 3 Health centers with emergency medicines and ambulance - looked after by a full time Doctor. Occupational surveillance of workers are carried out on regular basis and records being maintained.
(xx)	The project authorities shall obtain all other necessary statutory clearances from the concerned departments including 'No Objection Certificate' from the Rajasthan Pollution Control Board (RPCB) prior to commencement of construction.	NOC obtained from SPCB submitted to MoEF prior to E.C. as per 1994 Notification.
(xxi)	All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) guidelines for the cement plant shall be followed and complied.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants is implemented.
B.	General Conditions	Compliance Status
(i)	The project authorities shall strictly adhere to the stipulations of the SPCB / State Government or any other statutory body.	We strictly follow Rules & Regulations stipulated by SPCB.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted for compliance.

(iii)	The gaseous emissions (SO ₂ , NO _x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the units, the unit shall be immediately put out of pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	CEMS were installed in 2015 for regular monitoring of PM, SO ₂ & NO _x . In case of failure of PCS, SOP's are there and accordingly operation is to stop & to restart.
(iv)	The company shall undertake following Waste Minimization measures.	
	➤ Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	Flyash - waste material of Power plant is used in Cement manufacturing.
	➤ Use of "Closed pneumatic" system for transport of fine material	Closed pneumatic system is provided.
	➤ All venting systems shall be connected with dust arresting equipments.	Dust collectors are provided at all venting points.
	➤ Dust collect in pollution control equipments shall be reused.	Dust collected is recirculated in the process.
(v)	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State pollution Control Boards / Central Pollution Control Board.	Fugitive emission Monitoring is being carried out regularly in Raw material storage area and fuel storage area.
(vi)	The overall noise levels in and around the plant area shall be kept well within the standards 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 Environment (Protection) Act, 1986 rules, 1989 viz.75 dBA (day time) and 70 dBA (night time).	Periodical measurements are being taken and the results are well within the limits. (Data enclosed as Annexure-2).
(vii)	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Authorization under Hazardous waste (Management, Handling and Transboundary Movement) Rules 2008 is valid up to 31.05.2025.

(viii)	Rainwater harvesting shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to contain the ground water table.	Developed artificial recharge measures/systems inside plant, mines & colony for harvesting of monsoon rain water.
(ix)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Number of awareness, training, CSR and eco development projects are undertaken and we are organizing the same regularly in the core zone and buffer zone for stakeholders.
(x)	The project authorities shall earmark adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted for compliance. Fund availability is not the constraints for Environment & Safety proposals.
(xi)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A full fledge Environment cell with an dedicated lab with qualified manpower headed by GM, Sustainable Development for Environment management and monitoring.
(xii)	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six monthly compliances status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Complied with Six monthly compliance report sent to all concerned authorities vide letter no. CCW-II/Env/L-29/3231 dtd 29.11.2021.
(xiii)	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 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 vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied.
(xiv)	The 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 start of the project.	Complied.

ENVIRONMENTAL CLEARANCE - COMPLIANCE REPORT

2.7 MTPA CEMENT PLANT "New Chittor Cement Works"

(also known as Chanderia Cement Works Unit- II)

at Chanderia, Distt. Chittorgarh, Rajasthan

MoEF Letter No. J-11011 / 506 / 2010 – IA II (I) Dated 11th September, 2012

A.	Specific Conditions	Compliance Status
(i)	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw meal/kiln and bag filters to coal mill and cement mill. Low NOX burners should be provided to control NOX emissions.	Complied with. Continuous emission monitoring system provided at all the stacks and APCE are upgraded to meet norms of PM 30 mg/Nm ³ . Low Nox burner provided to control NOX emission. For expansion project all APCEs shall be upgraded. Monitoring data for plant in operation are attached as Annexure – 1.
(ii)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Ambient Air Quality monitoring data enclosed as Annexure - 3.
(iii)	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	To control fugitive emission, all sources of emission are equipped with bag filter, water spray system. All materials are stored in covered shade and silos. PUC certificate regularly checked for vehicular emission.
(iv)	Measures shall be undertaken 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 shall not be overloaded. Vehicular emissions should be regularly monitored.	All the raw materials including flyash are being transported through pneumatically / covered vehicle or closed containers.
(v)	The company shall have separate truck parking area. The details regarding same including photographs shall be submitted to the Ministry and its Regional Office at Lucknow within 3 months from the date of issue of the letter.	Company have separate truck parking which is fully paved having area 23,206 Sq Meter.
(vi)	Total water requirement shall not exceed 2,530 m ³ /day. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	All the treated waste water is being reused for dust suppression and greenbelt development.

(vii)	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rainwater collected in captive mine is being used. We have sufficient water in our Mine pits for plant operation. In addition to above, we have arrangement for rooftop rainwater harvesting and recharging of wells.
(viii)	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB.	To ensure the quality of treated water periodic analysis are being done. Water quality data is enclosed as Annexure – 4.
(ix)	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.	The dust collected in APCE are re-circulated in the process and used oil & batteries are being sold to authorized recyclers / re-processors.
(x)	All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently amended in 2003. Efforts should be made to use fly ash maximum in making Pozollona Portland Cement (PPC).	Manufacturing of flyash based cement is being increased regularly. During FY 2021-22 we have utilized 9,43,026 MT flyash for cement manufacturing.
(xi)	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	We are using maximum flyash, solid waste & low grade limestone in cement manufacturing as per BIS norms.
(xii)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	We have use high calorific value hazardous waste in the kiln as per authorization. Presently we are co-processing TDI Tar, Waste mix solid & liquid, Textile industry sludge, Tyre chips, FMCG & plastic waste etc.
(xiii)	As proposed, 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.	A dense greenbelt has been developed in the vicinity of plant and colony. The total area covered under greenbelt is 79 Hact, out of 207.25 Hact with local and different species, around 1.12 Lac trees are flourishing mainly and covering area around 38%.
(xiv)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	The recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants is implemented.

(xv)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 27th June, 2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Lucknow.	In the Public hearing, most of the points were raised by the stakeholders was related to infrastructure development, facilities on health & hygiene, educational support, drinking water facilities, supply & development of water hut / piau and employment to local resident. All the jobs have been completed against our commitment and fund availability is not the constraints for Environment & Safety proposals. The detailed report of FY 2021-22 is attached as Annexure – 5 for your reference please.
(xvi)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program shall be ensured accordingly in a time bound manner.	Total expenditure from 2013-14 to 2021-22 is Rs 5.69 Cr. Number of awareness, training, CSR and eco development projects are undertaken and we are organizing the same regularly in nearby area for stakeholders.
(xvii)	The company shall provide housing for 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. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with
(xviii)	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Company have EMS policy covering standard operating process, Administrative order of the Company to deal with environmental issues and system of reporting of non-compliance / violations of environmental norms to the Board of Directors.

B.	General Conditions	Compliance Status
(i)	The project authority shall adhere to the stipulations made by RSPCB and State Government.	We strictly follow Rules & Regulations stipulated by RSPCB.
(ii)	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted for compliance
(iii)	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The RSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	Gaseous emission from process is being maintained as per norms and in case of APCE failed, process is stopped, after rectification process resumes and the same practice shall be followed.
(iv)	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 Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<p>All the sources of noise are enclosed with acoustic hoods provide with silencers, covered shed / curtain and a dense greenery is developed in and around the plant.</p> <p>Periodical measurements are being taken and the results are well within the limits (Data enclosed as Annexure - 2).</p>
(v)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>As per Factory Act, periodical medical examination is being carried out for all the employees on regular basis. The test of each employee is being done for Blood pressure, HR CBC, Blood Group, RBC, Urea / creatadin, LFT, Lipid profile, Urine sugar, Urine albumin, Chest X-ray, ECG, PFT Audiometry, Vision test, Height & Weight and maintained the records.</p> <p>In addition to above to meet any kind of medical exigency, we have an occupational trained doctor and adequate numbers of paramedical staff on round the clock.</p>
(vi)	All the environment management measures given in the EIA/EMP shall be implemented and complied with.	Environment management measures shall be implemented.

(vii)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Developed artificial recharge measures / systems inside plant, mines & colony for harvesting of rain water.
(viii)	Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act.	All the roads, inside the plant are cemented and 6 nos. vacuum cleaners are provided for proper housekeeping and regular health checkup is being done as per Factory act for existing unit and same shall be done after expansion.
(ix)	The company shall undertake eco-development measures including community welfare measures in the project area.	Number of awareness, training, CSR and eco development projects are undertaken and we are organizing the same regularly in nearby area for stakeholders.
(x)	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A full-fledged Environment cell with an dedicated lab with qualified manpower headed by GM, Sustainable Development.
(xi)	The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Fund availability is not the constraints for Environment & Safety proposals.
(xii)	The 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.	Noted
(xiii)	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.	Complied with
(xiv)	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, the	Six monthly compliance report sent to all concerned authorities vide letter no. CCW-II/Env/L-29/3231 dtd 29.11.2021.

	<p>respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10 (ambient levels) 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.</p>	
(xv)	<p>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 respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow/CPCB/RSPCB shall monitor the stipulated conditions.</p>	<p>Complied with Six monthly compliance report sent to all concerned vide letter no. CCW-II/Env/L-29/3231 dated 29.11.2021.</p>
(xvi)	<p>The environmental statement for each financial year ending 31st 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 Offices of the MOEF by e-mail.</p>	<p>Complied with Environmental Statement for financial year ending 31st March 2021 sent to all concerned vide letter no.- CCW-II/Env/L-8/1677 dated 20.09.2021.</p>
(xvii)	<p>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 RSPCB and may also be seen at the Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should 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 shall be forwarded to the Regional office at Lucknow.</p>	<p>Complied with</p>

CHANDERIA CEMENT WORKS, UNIT-II, CHANDERIA
AVERAGE STACK MONITORING DATA
October-21 to March-22

STACK attached with	APCE Installed	Stack Diameter (m)	Parameter (mg/Nm3)			REMARKS
			PM	SO2	NOx	
KILN + RAW MILL	Bag House	5.30	10	0	566	
COOLER	ESP	3.75	12	-	-	
CEMENT MILL	BDC	1.00	9	-	-	
CEMENT MILL ROLLER PRESS	BDC	2.00	10	-	-	
COAL MILL	BDC	2.00	9	-	-	

Birla Corporation Limited, Chanderia Complex
Average Noise Monitoring Data in and around the Plant (dBA)
October-21 to March-22

Month	At ADM Building		Near CCW Crusher		Near CCW 132 KV S/S		At Sewage Treatment Plant	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
October	65	63	70	65	77	66	59	54
November	65	61	70	64	69	65	62	55
December	66	63	72	64	68	65	58	55
Januray	57	54	70	67	69	66	57	53
February	67	64	69	65	70	64	57	51
March	67	57	70	64	69	64	57	54

Birla Corporation Limited, Chanderia Complex
Average Ambient Air Quality Monitoring

October -2021 to March-2022

S.N.	Location	PM2.5 (ug/m3)	PM10 (ug/m3)	SO2 (ug/m3)	NO2 (ug/m3)
1	ADM BUILDING	36	76	5	23
2	NEAR CCW CRUSHER	44	78	6	24
3	NEAR CCW 132 KV S/S	40	75	7	23
4	STP	36	77	6	22

CHANDERIA CEMENT WORKS, UNIT-II CHANDERIA
REUSED WATER ANALYSIS RESULT
October - 21 to March - 2022

WATER QUALITY PARAMETERS											
Month	pH	Total Suspended Solids (mg / lit)	Oil & Grease (mg / lit)	BOD (mg / lit)	COD (mg / lit)	Phosphate (mg / lit)	Copper as Cu (mg / lit)	Zinc (as Zn) (mg / lit)	Iron (as Fe) (mg / lit)	Chromium (total) (mg / lit)	Remarks
October	7.85	29.00	<1	7.00	55.00	0.40	BDL	BDL	BDL	BDL	
November	7.65	25.00	<1	8.00	57.00	0.38	BDL	BDL	BDL	BDL	
December	7.48	20.00	<1	5.00	46.00	0.45	BDL	BDL	BDL	BDL	
January	7.15	27.00	<1	8.00	57.00	0.35	BDL	BDL	BDL	BDL	
February	7.86	22.00	<1	7.00	48.00	0.31	BDL	BDL	BDL	BDL	
March	7.26	29.00	<1	5.00	45.00	0.33	BDL	BDL	BDL	BDL	

BIRLA CORPORATION LIMITED:

Unit: Birla Cement Works & Chanderia Cement Works, Chanderia

FINANCIAL YEAR 2021 - 2022

Details of CSR amount spent

Sr. No.	CSR Activities	Amount in Rs. Lacs
1	Integrated Livelihood Project-1: (Supporting to small, marginal & poor for livelihood enhancement)	33.29
2	Skill Development Project-2 (Skilling to poor women & unemployed youths)	6.41
3	Health, Water & Sanitation	25.76
4	Mother & Child Health Care Project-3 (Improving Nutritional, Health & hygiene practices)	10.45
5	Support on Covid-19	8.06
6	Education	21.70
7	Infrastructure Development	5.39
8	Environment	4.50
9	Community Outreach/Others	4.47
	Total	120.03