

F. No. J-11011/494/2017-IA.II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: dirind-moefcc@gov.in
Tel: 011-24695368
Dated: 12.05.2020

To

✓
Shri Santosh Kumar Singh
Head Environment
Ms Adani Cementation Ltd,
Sambhav House,
Judges Bangalow Road, Bodekdev,
Ahmedabad, Gujarat - 380015

Subject: Integrated Cement Project (Cement Plant -10 MTPA;Clinkerization Plant- 10 MTPA) with Captive Power Plant (99 MW), Limestone Mine for 12.0 MTPA by **M/s Adani Cementation Ltd., (Lakhpat Cement Works)** located at Village Maldo, Mudhvay, Koriyani and Kapurasi, Taluka Lakhpat, **District Kutch, Gujarat- Environment Clearance for Integrated Cement Plant**— regarding.

Sir,

M/s Adani Cementation Ltd submitted online application vide proposal no. J-IA/GJ/IND/69706/2017 dated 10.02.2020 in the prescribed Form 2 along with EIA report and other documents for seeking Environmental Clearance (EC) as per the EIA Notification, 2006. The proposed project activity is listed at Sl. No. 3(b) Cement Plants under Category "A" in EIA Notification, 2006 and appraised at the central level.

2. Proposed Integrated cement project "Lakhpat Cement Works" of M/s Adani Cementation Ltd located in village Koriyani, Maldo, Mudhvay & Kapurasi, Taluka Lakhpat, District Kutch, State Gujarat, was initially received in the Ministry on 26th September 2017, for obtaining Terms of Reference (ToR) as per EIA Notification, 2006 and further submitted this proposal on 16th May 2018 for amendment in the ToR. The Project was appraised by the Expert Appraisal Committee (Industry) [EAC (I)] during its 32nd meeting held during 11- 13th June 2018 and prescribed ToRs to the project for undertaking detailed EIA study for obtaining EC. Accordingly, the Ministry of Environment, Forest and Climate change had prescribed ToR to the project on 25.06.2018 vide Lr. No. IA-J-11011/494/2017-IA-II (I).
3. Based on the ToR prescribed to the project, the project proponent submitted an application for EC to the Ministry online on 10.02.2020 vide Online Proposal No. IA/GJ/IND/69706/2017.

Details Submitted by the Project Proponent

4. The proposed Integrated Green Field Project by M/s Adani Cementation Ltd (ACL) is for setting up of a new Integrated Cement Plant for production of 10 MTPA Clinker, 10 MTPA Cement, 99 MW Captive Power (75 MW - TPP & 24 MW - WHRS), Limestone Mine of 12 MTPA, Desalination of 9000 KLD and Berthing Jetty with handling capacity of 19 MTPA at village Maldo, Mudhvay, Koriyani & Kapurasi, Taluka Lakhpat, District Kutch, State Gujarat.
5. The total land required for the proposed integrated project is 454.27 ha (Cement Plant & CPP: 190.23 ha, Limestone Mine: 251.9 ha, Conveyor Corridor: 8.09 ha, Backup & Desalination Plant: 4.05 ha), out of which, 142.076 ha is agricultural land (Private land),

1.7235 ha is Grazing land and 310.47 ha is others [307.8163 ha, Govt. Land and 2.6564 ha of Forest land for which In-principal approval (Stage I) has been obtained from MOEFCC vide letter no. FCA-1019/10-03/19/S.F-60/F]. Around 23 ha of private land is acquired and acquisition of rest of the area is under process. There is no river passing through the project area. It has been reported that in 10km radius area from project site, Rivers, KapusariNadi and Kali Nadi are flowing towards NW direction following the slope. Kori Creek is at distance of 4.2 km from the Plant boundary in NW direction.

6. The topography of the area is plain and reported to lie between 23^o42'43.65" to 23^o44'50.99" N Latitude and 68^o 34' 41.81" to 68^o 42' 40.94" E Longitude in Survey of India topo sheet No. 41A/10, at an elevation of 27m AMSL. The ground water table reported to range between 5-10m below the land surface during the post-monsoon season and 5-10 m below the land surface during the pre-monsoon season. Based on the hydro-geological study, it has been reported that the radius of influence of pumped out water will be 411m. Further, the stage of groundwater development is reported to be 0 % and 9.33% in core and buffer zone respectively and thereby these are designated as safe areas.
7. The Eco Sensitive Zone of Narayan Sarovar Wildlife Sanctuary is located at a distance of 3.8 km towards South of the Plant area. The area also does not report to corridor for Schedule-I fauna. The core area of the project site has recorded presence of a Critically Endangered shrub species *Commiphorawightii* and fournos. of Schedule I species of birds. The buffer zone has recorded presence of 15nos. of species of high conservation value among which fourteennos. are faunal species and one is the Critically Endangered shrub species. One species of Reptile, eight species of birds and five species of mammals are Schedule-I species reported from the study area. The Wildlife Conservation Plan has received approval from the Chief Wildlife Warden of Gujarat State vide Letter no. WLP/T.32/C/988/2019-20 Dated: 29/01/2020.
8. The process of project showing the basic raw material used and the various processes involved to produce the final output is given below:
 - Limestone shall be raised from Mudhvay mines by surface miners and transported by belt conveyors to proposed plant.
 - Low grade Limestone shall be received through Trucks to proposed Plant (From GMDC)
 - Silica sand shall be received through trucks, Limestone mix and silica sand shall be ground in a Raw Mill. Ground fine raw meal shall be stored in a blending silo.
 - Fine ground raw meal shall be fed to Preheater, Calciner and Kiln. (Pyro process System)
 - Dry process, rotary kiln system with pit-less type clinker cooler shall be provided for clinker production.
 - Coal /Lignite/Petcoke shall be ground in Coal mill. Fine Coal/Lignite/Petcoke shall be used as a fuel in the pyro process for production of Clinker while Lignite will be used as a fuel in Captive power plant for power generation.
 - Waste heat from preheater and cooler shall be utilized to produce power through waste heat recovery Boiler System.
 - Clinker shall be transported from the Cooler by the help of DPC and stored in Clinker Silo and conveyed to cement mill hoppers through Conveyors.
 - Clinker shall be extracted from clinker hopper and transported to cement mill hopper for production of cement, Balance Clinker shall be transported to jetty through pipe conveyor for barge loading.

- Gypsum, Fly ash, Slag and Clinker from Cement mill hopper shall be fed in appropriate proportion to Cement grinding system to produce various cement product like PPC/OPC/PSC/PCC as per the market demand requirement.
- Cement shall be stored in Silos. Partially cement shall be packed in bags in packing plant and dispatched through Trucks, balance bulk Cement shall be conveyed to jetty through pipe conveyor for barge loading.
- Power requirement of the proposed plant shall be fulfilled by CPP/WHRS and Grid supply.
- Process Water requirement shall be sufficed from Desalination plant, proposed in the Backup area

9. Waste generated in the process:

i. Solid waste generated through the process

S.No.	Name of Waste	Mode of disposal/Use
1	Used Containers (Drums)	Through TSDF
2	Used Oil	Through Authorized Recycler
3	Bottom Ash	Shall be used as Additive for Clinker production
4	Fly ash	Shall be used as Raw material for PPC/PCC production

ii. Waste Water generated through the process

S.No.	Name of Waste	Discharge/Reuse
1	CPP Condenser Fin cleaning	Reused for dust suppression in ML area
2	Industrial waste water	Reuse in dust suppression after treatment through ETP
3	Domestic Waste Water	Reuse for Gardening after treatment through STP
4	Brine Reject	Discharge to designated outfall location in Kori Creek

10. The target production capacity of Lakhpat Cement Works is 10.0 MTPA Clinker and 10.0 MTPA Cement. The required raw material 12 MTPA Limestone would be sourced from Limestone Mines, which is integral part of project. Limestone shall also be procured from GMDC Mine (as per MoU vide letter no. GMDC/BD/LM/1988/2017-18, dated 13th September 2017). Limestone transportation from mine will be through belt conveyor and balance by road from GMDC mine.
11. The fresh water requirement of the project is estimated as 9000 m³ /day which will be met from the proposed Desalination Plant. The permission for drawl of Sea water for desalination was obtained from Gujarat Maritime Board vide letter no. GMB/N/PVT-1/1798/559/419 dated 17.01.2020.
12. The power requirement of the project is estimated as 125 MW, out of which 99 MW is obtained from CPP (75 MW TPP, 24 MW WHRS) and remaining 26 MW would be drawn from Grid Power.
13. Baseline Environmental Studies were conducted during winter season i.e. from December, 2017 to February, 2018. Ambient air quality monitoring has been carried out at nine locations during December, 2017 to February, 2018 and consolidated 24 hour averaging 98th percentile data indicated: PM₁₀ (64.7 µg/m³ to 75.1 µg/m³), PM_{2.5} (23.3 to 32.9 µg/m³), SO₂

(8.5 to 18.7 $\mu\text{g}/\text{m}^3$) and NO_x (10.6 to 19.9 $\mu\text{g}/\text{m}^3$). The results of the modeling study indicate that the maximum increase of GLC for the proposed project is 5.81 $\mu\text{g}/\text{m}^3$ with respect to the PM_{10} .

14. Ground water quality were monitored at seven locations in the study area. The analysis shows: pH- 7.1 to 7.4; Total Hardness- 309.7 to 600.6 mg/l; Chlorides- 253 to 548 mg/l; Fluoride- 0.29 to 0.48 mg/l. Heavy metals are within the limits. Surface water samples were monitored at six locations (two samples from inland surface water – village pond and four samples from Kori Creek). In village pond: pH-7.5 to 7.84; DO- 4.3 to 5.4 mg/l; BOD- 1.1 to 2.4 mg/l; COD - 25.2 to 38.4 mg/l. Kori Creek samples : pH-7.9 to 8.1; DO- 5.7 to 6.4 mg/l; BOD- 0.8 to 0.92 mg/l; COD- 20.3 to 22.4 mg/l.
15. Noise levels are in the range of 41.4 to 50.4 dB (A) for daytime and 32.7 to 42.9 dB (A) for nighttime.
16. It has been reported that forty four people needs to be displaced in the core zone of the project. R&R is involved. It has been envisaged that seventeen families are to be rehabilitated, whom will be provided compensation and preference in the employment.
17. It has been reported that the generated solid waste viz. Bottom ash and Fly ash shall be used as raw materials in Cement manufacturing process. However, as per approved mine plan, there will be generation of 5.645 Mcum of Over Burden (OB) and 0.10 Mcum of top soil from 1st to 5th year of mining and the generated OB will be back filled in the excavated pit. The topsoil removed during mining will be utilised for spreading on the earthen bunds and used for plantation. It has been envisaged that an area of 147.4 ha (Plant : 63.9ha & Mine : 83.5ha) will be developed as green belt in the project site to attenuate the noise levels and to arrest airborne dust generated due to the project development activities.
18. The capital cost of the project is ₹ 7525 Cr and the capital cost for environmental protection measures is proposed as ₹ 107 Cr. The annual recurring cost towards the environmental protection measures is proposed as ₹ 12 Cr.
19. During the operation phase, there will be direct employment generation for 150 nos. of people and Indirect employment in the form of contractual workers, will be for 450 nos. of people.
20. It has been reported that the Consent to Establish from the Gujarat State Pollution Control Board was obtained vide File no. GPCB/(PCB ID - 69493) dated 20.02.2019 and Consent is valid up to seven years from the issue of CTE.
21. The Public hearing of the project was held on 28.05.2019 at village- Koriyani, Lakhpat under the Chairmanship of District Magistrate and District Collector Bhuj, Kutch for Integrated Cement Project involving Cement (10 MTPA), Clinker (10 MTPA) and Captive Power Plant (99 MW). The issues raised during public hearing are related to employment, cattle grazing/ fodder, health/medical, educational/skill development, infrastructure/hospital/school/road, marine/fisherman, greenbelt/plantation, godhatad dam, disposal of waste water, drinking water, livelihood, air and water pollution, revenue for panchayat and agricultural support etc. An amount of ₹ 45.6 Cr has been earmarked for Corporate Environment Responsibility (CER) based on public hearing issues.
22. Greenbelt will be developed in 63.9 ha with 100 m width, consisting of at least three tiers around plant boundary will be developed as greenbelt as per CPCB/ MoEF&CC guidelines. Replantation will be carried out during 4th & 5th year of project activity considering 30% of mortality rate.
23. The proponent has mentioned that there is no court case or violation under EIA Notification to the project or related activity.

Observations of the Committee

24. The EIA report is prepared for interlinked and integrated project with mining and jetty and desalination plant in the CRZ. The committee considered the project aspects related to cement plant only. The issues related to mining, sea water intake and outfall etc. shall be appraised in the respective EACs.

Recommendations of the Committee

25. In view of foregoing, after detailed deliberations, the committee recommended the project for grant of Environmental Clearance under the provisions of EIA Notification, 2006 subject to the following specific conditions in addition to the applicable general conditions as per the Ministry's Office Memorandum No. 22-34/2018-IA.III dated 9/8/2018 pertaining to Cement plants.

- i. No Ground water abstraction is permitted. The water requirement shall be met by desalination of seawater.
- ii. Rain water harvesting plan shall be prepared considering all the parameters like rainfall, percolation, run off etc. in the plant site and in the study area for water use by the community, and the same shall be implemented. Compliance report thereof shall be submitted to the Regional Office of this Ministry.
- iii. Approved Wildlife Conservation Plan (WLCP) shall be implemented, monitored and reported to the Regional Office in the six monthly compliance report.
- iv. Total greenbelt/plantation in and around the project boundary shall not be less than 63.9 ha. Plantation is to be completed in three years and maintained properly. Extensive greenery by raising avenue plantation, and by planting barren areas, etc., shall be developed in the vicinity of the plant to prevent air borne dust pollution.
- v. An amount of ₹46 Cr earmarked for CER shall be implemented within four years.
- vi. Approved R&R plan shall be implemented and progress of the same shall be submitted to MoEF&CC till the entire plan is implemented.
- vii. Locals shall be trained and thereafter employed in the plant. The employment of local work force shall be in compliance with the state government regulations.
- viii. Top soil shall be conserved for landscaping and green belt development.
- ix. Specific power consumption shall not exceed 58 kWh/t of clinker and 30 kWh/t of cement production.
- x. Four Continuous Ambient Air Quality Monitoring Stations (CAAQMS) shall be installed to monitor the ambient air quality in and around the plant in consultation with SPCB
- xi. Particulate emissions from stacks shall be maintained at less than 30 mg/Nm³.
- xii. Alternate fuels shall be used in the plant and emission norms shall be complied with for use of alternate fuels as required in accordance with the Notification of this Ministry vide SO 3518 (E) dated 23.11.2016.
- xiii. Besides paving of roads inside the plant, industrial vacuum cleaners shall be deployed to prevent air borne dust pollution.
- xiv. Plant shall achieve Zero Liquid Discharge.
- xv. Care shall be taken to restrict cutting of trees to the minimum. For every tree cut, a minimum of 10 trees or the number as required by the state policy, whichever is more shall be planted.

Decision of MoEF&CC

26. The Ministry has considered the recommendation of EAC and here by decided to accord Environmental Clearance for integrated cement plant for production of Cement (1.0 MTPA) , Clinker (1,0 MTPA) and Captive Power Plant (99 MW) at Village Maldo, Mudhvay, Koriyani and Kapurasi, Taluka Lakhpat, **District Kutch, Gujarat**with the specific conditions at para 25 above and following sector specific general conditions as per the Ministry's Office Memorandum No. 22-34/2018-IA.III dated 9/8/2018.

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the 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.
- 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.
- 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.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

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 (G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement)and 10th May, 2016(Co-processing Cement); S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system carryout to Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions)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), covering upwind and downwind directions.
- 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 Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Recycle and reuse lime fines, coal fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after agglomeration.
- x. Ensure recovered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;
- xi. Provide wind shelter fence and chemical spraying on the raw material stock piles; and
- xii. Provide Low NO_x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO_x emissions. Have separate truck parking area and monitor vehicular emissions at regular interval.
- 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
- xiv. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- 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 wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- 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 Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to 'Zero Liquid Discharge'.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- 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 due to surface run off
- vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- ix. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

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 Officer of the Ministry as a part of six-monthly compliance report
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

- i. Waste heat recovery system shall be provided for kiln and cooler.
- ii. The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iii. 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.
- iv. Provide the project proponent for LED lights in their offices and residential areas.
- v. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- vi. maximize utilization of alternate fuels and Co-processing to achieve best practice norms

VI. Waste management

- i. Used refractories shall be recycled as far as possible.
- ii. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
- iii. Kitchen waste shall be composted or converted to biogas for further use.

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 greenbelt shall inter alia cover the entire periphery of the plant
- 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.

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.
- ii. The PP shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall 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. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

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 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any

infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- 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 competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost 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.
- ii. The copies of the environmental 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.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (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.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- 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 the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent 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, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to 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 Expert Appraisal Committee.

- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. 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, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC 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.


(A.K.Agrawal)
Director

Copy to:

1. **Secretary**, Department of Environment, Government of Gujarat, Secretariat Gandhinagar.
2. **Deputy Director General of Forests(C)**, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5 KendriyaParyavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016.
3. **Chairman**, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
4. **Member Secretary**, Central Ground Water Authority, 18/11, Jamnagar House, Man Singh Road, New Delhi-110011.
5. **Chairman**, Gujarat State Pollution Control Board, Sector 10-A, Gandhi Nagar - 382043, Gujarat.
6. **District Collector**, Kutch District, Gujarat.
7. Guard File/Record File/Monitoring File.
8. MoEF&CC Website.


(A.K.Agrawal)
Director