adani

Ref.: ACL/Raigad GU/Environment/EC/MOEFCC/11-24/01 Date: 30.05.2025

To
Deputy Director General of Forests (C)
The Ministry of Environment, Forest & Climate Change
Integrated Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur - 440001

Subject: Submission of Six-monthly compliance status report of Environment Clearances of Greenfield Cement Grinding Unit with cement production capacity of 4.5 Million metric ton per annum (MMTPA) and 0.5 Million metric ton per annum (MMTPA), Fly ash/slag processing unit of Adani Cementation Limited || Period: October'2024 to March' 2025

Ref: Environmental Clearance File No: IA-J-11011/261/2021-IA-II(IND-I), dated 13.09.2024 & EC Corrigendum received on 24.11.2024

Dear Sir,

With reference to above subject, please find enclosed herewith six monthly (October'2024 to March'2025) Environment Clearance (EC) compliance report of Greenfield Cement Grinding Unit with cement production capacity of 4.5 Milion metric ton per annum (MMTPA) and 0.5 Milion metric ton per annum (MMTPA), Fly ash/slag processing unit of Adani Cementation Limited for the period of October'2024 to March'2025 as EC obtained vide dated 13th September 2024.

Financial closure of the project is awaited. The proposed project is yet to be started.

This is for your kind information and record.
Thanking You

Yours faithfully
For, Adani Cementation Limited

Ramanand Yadav
(Head Project & Authorized Signatory)

Encl.: As above
CC to:

Regional Directorate
Central Pollution Control Board
Survey No. 110, Dhankude Multipurpose Hall (PMC),
Near Fab India, Baner Road, Baner
Pune - 411045

Member Secretary
Maharashtra Pollution Control Board
Kalpatru point, 2nd, 3rd & 4th floor, Near Sion Circle,
Sion (E), Mumbai- 400022

The Regional Officer
Maharashtra Pollution Control Board
Regional Officer, Raigad,
Navi Mumbai

The Sub Regional Officer
Maharashtra Pollution Control Board
Sub Regional Officer, Raigad-2
Navi Mumbai

Adani Cementation Limited
"Adani Corporate House"
Shantigram, Near Vaishno Devi Circle
S. G. Highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 5555
Fax +91 79 2555 5500
info@adani.com
www.adani.com

SIX MONTHLY COMPLIANCE REPORT OF

ENVIRONMENTAL CLEARANCE

Of

GREENFIELD CEMENT GRINDING UNIT WITH CEMENT PRODUCTION CAPACITY OF 4.5 MILION METRIC TONS PER ANNUM (MMTPA) AND 0.5 MILION METRIC TONS PER ANNUM (MMTPA), FLY ASH/ SLAG PROCESSING UNIT OF ADANI CEMENTATION LIMITED

At

VILLAGE SHAHBAJ & TALUKA ALIBAG, DISTRICT RAIGAD, MAHARASHTRA

Submitted to:

Deputy Director General of Forests (C), The Ministry of Environment, Forest & Climate Change, Integrated Regional Office (WCZ), Nagpur
Regional Directorate, Central Pollution Control Board, Pune.
Member Secretary, Maharashtra Pollution Control Board, Mumbai.
Regional Officer, Maharashtra Pollution Control Board, Raigad.
Sub Regional Officer, Maharashtra Pollution Control Board, Raigad – 2.

Submitted By:

Adani Cementation Limited
Ahmedabad, Gujarat

Period: October'2024 – March'2025

ADANI CEMENTATION LIMITED

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ADANI CEMENTATION LIMITED

Enclosure – 1

COMPLIANCE TO THE CONDITIONS STIPULATED IN ENVIRONMENTAL CLEARANCE [File No: IA-J-11011/261/2021-IA-II(IND-I)*, Dated: 13th Sep, 2024]* [EC Identification No: EC22B1103MH5800079N] *&* Corrigendum IA/MH/IND1/503362/2024 dated: 24th Oct, 2024 for Greenfield Cement Grinding Unit with Cement production capacity of 4.5 milion metric ton per annum (MMTPA) and 0.5 milion metric ton per annum (MMTPA) Fly ash/Slag processing unit at Village: Shabaj Taluka: Alibag, District: Raigad, Maharashtra by M/s Adani Cementation Limited(ACL) issued by Ministry of Environment, Forest and Climate Change IA Division.

SL No	Condition	Compliance status
A.	**Specific Condition**	
(i)	This Environmental clearance is granted subject to final out-come of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, and any other Court of Law, if any, as may be applicable to this project.	Noted
(ii)	The PP shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Noted
(iii)	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Will be ensured that modern technologies will be used & the implementation report will be submitted to IRO, MoEF&CC.
(iv)	PP shall complete the acquisition of total project land and its conversion for industrial purpose prior to commencement of project.	Noted
(v)	PP has reported that there are around 113 villages falling within the study area of the project site along with other sensitive areas. Proponent shall take appropriate environmental safeguard measures to minimize the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring program.	Noted

SL No	Condition	Compliance status
(vi)	Amba River is at a distance of 0.4 km in East along with other water bodies within the study area of the project site. No construction activity/infringement shall take place in flood plain of Amba river situated in the vicinity of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.	Will be ensured that natural flow of drainage will not get disturb. Company will adopt measures for soil conservation & multiple Erosion control. Robust & full proof Drainage Conservation scheme will be implemented.
(vii)	PP shall implement all suggested measures and action plan in line with Mangrove conservation plan in consultation with Local Forest Department during the construction and operation phase of the proposed project, including the development of greenbelt outside the plant area. There shall be regular monitoring and continual improvement in the conservation plan.	Noted
(viii)	Levelling of the proposed project site shall be done considering the NOC obtained from Irrigation Department and the same shall be above the HFL of the Amba River. The retaining wall shall also be developed all along the plant boundary.	Noted
(ix)	PP shall explore the possibility of installation of roof-top Solar panels and if found feasible, the power generated from the solar panel shall be utilized in the plant itself.	Noted
(x)	The water requirement of 800 m3/day, shall be obtained from the Maharashtra Industrial Development Corporation (MIDC). PP shall obtain necessary permission from the Competent Authority in this regard.	Noted and Compliance Assured Demand note released by MIDC
(xi)	Three tier Green Belt shall be developed in at least 33% of the project area in a period of 1 year of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop a 50 m toward Mangroves side, 15 m toward Jetty in addition to greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. The PP shall also do the plantation around the schools in the vicinity of the Plant. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.	Noted We will develop the green belt as stipulated in EC.
(xii)	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 15 Crores shall be strictly implemented, and progress shall be submitted to the Regional Office of MoEF&CC.	Noted Socio economic Development plan will be implemented as per the Annexure – IV of EC letter dated 13.09.2024 & progress of the same will be submitted to the Regional Office of MoEF&CC.
(xiii)	The project proponent shall undertake village adoption program and prepare and implement the action plan to develop them into a model village.	Noted. Model Village development will be carried out as per the action plan.
(xiv)	PP shall strictly implement the mitigation measures to minimize the	Noted

SL No	Condition	Compliance status
	pollution levels. Also PP shall undertake the source apportionment studies and submit the same to IRO.	
(xv)	The recommendations of the approved Site-Specific 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 to the concerned Regional Office of the MoEF&CC.	Noted and Compliance Assured
(xvi)	The water sources, including ground water, shall be analyzed for Ca, Al and Fe once in a year in the vicinity of the Plant (5 km radius) and reported to the IRO, MoEFCC.	Noted
(xvii)	PP shall restrict the import of gypsum import as raw material and emphasize on utilization of gypsum available indigenously.	Noted
(xviii)	Materials shall be transported to and from the jetty with the help of conveyors connecting jetty and plant. The completely covered (Closed type gallery) shall be used for preventing the material from ingress caused by wind and rain. The conveyor details are covered in the Jetty EC dated 29.12.2023.	Noted and Compliance Assured
(xix)	Prior permission from Hon'ble High Court of Bombay should be obtained as per order dated 17th September 2018 in PIL 87/2006 for cutting of mangroves, if any, before start of construction of the project	Mangrove cutting permission received from high court of Bombay on 7th Mar-25.
(xx)	PP should prepare a site-specific mangrove management plan in order to enhance the ecological health of mangroves along the creek. Further, Periodical assessment on status of adjacent mangroves (including the water quality of creek, soil characteristics, floral and faunal diversity etc.,) should be done by engaging agencies having expertise in the field and status report should be incorporated in six monthly compliance reports.	Noted and Compliance Assured
(xxi)	In order to preserve the existing mangroves along the creek, PP should assess the decadal change in extent mangroves along creek and should take necessary mitigation measures to eliminate factors responsible for mangrove degradation along the creek, in terms of quality and quantity, in consultation with Forest department/mangrove cell.	Noted
(xxii)	If any mangroves cutting are involved, mangrove afforestation should be carried out (10 times the areas to be affected) in consultation with Forest Department/Mangrove Foundation and success of mangrove afforestation efforts needs to be verified annually by reputed institution in the field of mangrove restoration and report should be submitted to concern IRO.	Noted
B.	**Standard EC Condition for (Cement plants)**	
I. Statutory compliance:		
(i)	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.	Noted and Compliance Assured Construction activity shall be started after obtaining all necessary clearances/NOC from concerned authority.

SL No	Condition	Compliance status
(ii)	This Environmental clearance is granted subject to final out-come of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted
II. Air quality monitoring and preservation		
(i)	The project proponent shall install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25thAugust, 2014 (Cement) and subsequent amendment dated 9thMay, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement); 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted and Compliance Assured
(ii)	The project proponent shall carryout Continuous 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 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.	Noted and Compliance Assured
(iii)	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted and Compliance Assured
(iv)	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.	Noted and Compliance Assured
(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.	APC systems will be installed before plant commissioning.
(vi)	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Noted and Compliance Assured
(vii)	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Noted and Compliance Assured
(viii)	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation, The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.	Noted and Compliance Assured
(ix)	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.	NA
(x)	Wind shelter fence and chemical spraying shall be provided on the raw material stockpiles.	Will ensure once cement production will start.
(xi)	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.	Noted and Compliance Assured
(xii)	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB	Noted and Compliance Assured
(xiii)	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses),	Noted and Compliance Assured

SL No	Condition	Compliance status
	electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.	
(xiv)	Bag filters shall be cleaned regularly, and efficiency of bag filter system shall be monitored at regular intervals.	Noted and Compliance Assured
(xv)	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.	Noted and Compliance Assured
(xvi)	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.	Will ensure once the plant will be operational.
(xvii)	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.	Noted and Compliance Assured
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 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted and Compliance Assured
(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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	For the project water will be sourced from MIDC hence, no Ground water withdrawal is envisaged. However, water quality will be tested for nearby/adjacent area.
(iii)	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.	Noted Will be constructed during civil works of project
(iv)	Water meters shall be provided at the inlet to all unit processes in the steel plants.	Noted and Compliance Assured
(v)	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Noted and Compliance Assured
(vi)	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage	Noted and Compliance Assured

SL No	Condition	Compliance status
	Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.	
(vii)	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.	Noted and Compliance Assured
(viii)	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report	Noted and Compliance Assured
IV. Noise monitoring and prevention:		
(i)	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Will ensure once project will start.
(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.	Will ensure once project will start.
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.	Noted.
(ii)	Provide LED lights in their offices and residential areas.	Noted
VI. Waste management:		
(i)	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.	Noted
(ii)	Kitchen waste shall be composted or converted to biogas for further use.	Noted
(iii)	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.	As the project is for grinding of clinker only hence fly ash generation is not envisaged. However, fly ash will be used for cement manufacturing.
(iv)	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines- 3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.	Noted and Compliance Assured

SL No	Condition	Compliance status
(v)	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Noted
VII. Green Belt:		
(i)	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees.	Will ensure once the plant will be operational.
(ii)	Project proponent shall submit a study report within six months on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	Noted and Compliance Assured.
(iii)	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.	Noted.
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 shall be implemented during construction and operation phase.
(ii)	The project proponent 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.	Noted
(iii)	Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, 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.	There is no provision for housing for construction labors within the project site. We will construct labor hutment in land taking on lease nearby the project site.
(iv)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Noted.
IX. Environment Management:		
(i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	Noted. Socio economic Development plan will be implemented as per the Annexure – IV of EC letter dated 13.09.2024 & progress of the same will be submitted to the Regional Office of MoEF&CC.
(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	Adani Cementation Ltd. has environment policy approved by Board of Directors which is available on the company's website.

SL No	Condition	Compliance status
	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.	Adani Cementation Ltd. has a separate Environmental Cell both at the project and company head quarter level.
(iv)	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.	Noted and Compliance Assured
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.	Noted and complied (Attachment – 1).
(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.	Noted and complied (Attachment – 2).
(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.	Noted and Compliance Assured
(iv)	The project proponent shall monitor the criteria pollutants level namely; PM10, 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 Compliance Assured
(v)	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented	Noted and Compliance Assured
(vi)	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.	Noted Compliance will be submitted in every six months.
(vii)	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.	Noted
(viii)	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.	Noted and same will be ensured.
(ix)	The project proponent shall abide by all the commitments and	Noted and Compliance Assured

SL No	Condition	Compliance status
	recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
(x)	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.	Noted and Compliance Assured
(xi)	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Noted and Compliance Assured
(xii)	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).	Noted.
(xiii)	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.	Noted.
(xiv)	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
(xv)	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.
(xvi)	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.	Noted
(xvii)	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.	Noted.

सत्यमेव जयते

File No: IA-J-11011/261/2021-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
****

Date **13/09/2024**

To,

M/s. ADANI CEMENTATION LIMITED
Adani House, 56 Srimali Society, Navrangpura Ahmedabad, Navrangpura, AHMADABAD, GUJARAT, , 380009
Email: sanjay.prasad@adani.com

Subject: **Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited- Grant of Environmental Clearance**

Sir/Madam,

M/s. Adani Cementation Limited has made an online application vide Proposal No. IA/MH/IND1/412231/2022 dated 09.04.2024 along with copy of EIA/EMP report, Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC22B1103MH5800079N
(ii) File No.	IA-J-11011/261/2021-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(b) Cement plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited
(viii) Name of Company/Organization	ADANI CEMENTATION LIMITED
(ix) Location of Project (District, State)	RAIGAD, MAHARASHTRA
(x) Issuing Authority	MoEF&CC

(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. 3(b) under Category "B" (All Stand Alone Grinding Unit. Accordingly, the project proponent approached SEIAA, Maharashtra. SEIAA Maharashtra vide their letter dated 23/04/2021 opined that construction of Jetty and Cement plant are interdependent activities and both the units cannot be treated as independent projects Jetty and cement plant is an integrated activity, and which cannot be appraised in isolation and environment clearance Hence, project proponent should apply to MoEF&CC, New Delhi as an integrated project for Jetty and Cement Plant. Therefore, the project will be treated as Category "A" project and appraised at Central Level.

4. The instant Proposal was initially by the EAC in its 58th meeting held during 14-15th May 2024 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at https://parivesh.nic.in.

5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III.**

Deliberations of MoEFCC

7. The EAC, in its 58nd meeting held during 14 – 15th May, 2024, inter-alia, deliberated the following:

i. The instant proposal is for establishment of a green field Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons per Annum (MMTPA) and 0.5 Million Metric Tons per Annum (MMTPA) Fly ash/ Slag Processing Unit.

ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

iv. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.

v. The EAC noted that as per MoEF&CC O.M. dated 24/12/2010 pertaining to consideration of integrated and inter-linked projects, the project proponent is supposed to prepare a common EIA report after obtaining ToR from the concerned sectoral EAC. During EC process, the common EIA report will be appraised by the concerned sectoral EAC and make their recommendations relating to their particular component. Accordingly, the project proponent has obtained ToR from Infra sector of MoEF&CC vide letter no. 10-77/2018 IA III dated 09/10/2019 and Environment Clearance for the project of Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited vide letter no. 10-77/2018-IA.III/EC identification no. EC23A3501MH5535147N dated 29th December, 2023 on the basis of EIA/EMP Report prepared considering proposal of Cement Grinding Unit integrated with the Berthing Jetty project in compliance to the Ministry's OM dated 24th Dec., 2010. PP has also obtained the ToR for cement grinding unit from Industry 1 sector of MoEF&CC vide letter dated 25.08.2021 and now, has applied for EC by submitting the same EIA/EMP Report in compliance to the Ministry's OM

dated 24th December, 2010.

vi. The EAC took into consideration the recommendations of the Infrastructure Sector pertaining to the interlinked project of Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited.

vii. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

viii. The total project land is 10 ha, out of which 3.24 ha area is under the possession of ACL and rest 6.76 ha will be acquired soon. MoU/Consent from land owners regarding the remaining land has already taken. The present land use of the area is private agriculture land which will be converted into industrial upon introduction of the project.

ix. PP has reported that there are around 113 villages falling within within the study area of the project site along with other sensitive areas. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

x. The EAC noted that Amba River is at a distance of 0.4 km in East along with other water bodies within the study area of the project site. No construction activity/infringement shall take place in flood plain of Amba river situated in the vicinity of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. PP reported that Mangrove Forest is at a distance of ~0.05 km form project boundary. The EAC deliberated on the Mangrove Conservation Plan submitted by the project proponent and is of the opinion that the plan shall be strictly implemented. There shall be regular monitoring and continual improvement in the conservation plan.

xii. The water requirement for the proposed project is estimated as 800 m3/day, which will be obtained from the Maharashtra Industrial Development Corporation (MIDC). The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xiii. The Committee has deliberated on the baseline data along and incremental GLC due to the proposed project and is of the opinion that mitigation measures shall be strictly implemented.

xiv. There are total thirteen Schedule - I species which are Jackal (Canis aureus), Indian Porcupine (Hystrix indica), Common Mongoose (Herpestes edwardsii), Indian chameleon (Chamaeleo zeylenicus), Indian Rat Snake (Ptyas mucosa), Cobra (Naja naja), Sparrow hawk (Accipiter nisus), Marsh harrier (Circus aeruginosus), Pale harrier (Circus macrourus), Pied harrier (Circus mclanolcucous), Peregrine falcon (Falco Peregrinus), Osprey (Pandion haliaetus) & River tern (Sterna aurantia) in the study area of 10 km radius. Company has prepared Wildlife Conservation Plan and allocated Rs. 990 lacs for the same. Wildlife Conservation Plan for approval was submitted to DCF, Thane on 3rd Nov., 2022. Currently the Revised Wildlife Conservation Plan including the Schedule – I species as per the Wild Life (Protection) Amendment Act, 2022 dated 19th December, 2022 and the same has been forwarded from APCCF-WL, Mumbai to PCCF, Nagpur for final approval. The EAC opined that Wildlife Conservation Plan shall be strictly implement post approval.

xv. The PP has submitted that greenbelt will be developed in 3.3 ha which is about 33 % of the total project area. A 50 m toward Mangroves side, 15 m toward Jetty and 5 m wide greenbelt consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Total no. of 8250 saplings will be planted and nurtured in 3.3 hectares in three years. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed within a period of 1 year.

xvi. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xviii. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xix. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xx. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxi. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 58th meeting held during 14 – 15th May, 2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions(**Annexure I**).

Decision of MoEFCC

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant Environment Clearance for instant proposal of M/s. Adani Cementation Limited under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**)

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. Any appeal against this environmental 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.

13. 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.

14. This issues with approval of the competent authority.

Dinesh Runiwal

Scientist ‘F’/ Director
Tel: 011-20819346
Email-d.runiwal@gov.in

Copy To

1. The Secretary, Environment & Forest Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai-400032
2. The Secretary, Revenue Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai- 400032
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests & Government of Maharashtra, MECL Building, Dr. Ambedkar Bhawan, Seminary Hills, Civil Lines, Nagpur-440006
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-440001
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
7. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. The District Collector, Raigad, Mumbai
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
11. Guard File/Monitoring File/Website/Record File/Parivesh Portal

Dinesh Runiwal
Scientist ‘F’/ Director

Annexure 1

Specific EC Conditions for (Cement Plants)

1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon’ble Supreme Court of India, Hon’ble High Court, Hon’ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	PP shall complete the acquisition of total project land and its conversion for industrial purpose prior to commencement of project.

S. No	EC Conditions
1.5	PP has reported that there are around 113 villages falling within within the study area of the project site along with other sensitive areas. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.6	Amba River is at a distance of 0.4 km in East along with other water bodies within the study area of the project site. No construction activity/infringement shall take place in flood plain of Amba river situated in the vicinity of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.7	**PP shall implement all suggested measures and action plan in line with Mangrove conservation plan in consultation with Local Forest Department during the construction and operation phase of the proposed project; including the development of greenbelt outside the plant area. There shall be regular monitoring and continual improvement in the conservation plan.**
1.8	Levelling of the proposed project site shall be done considering the NOC obtained from Irrigation Department and the same shall be above the HFL of the Amba River. The retaining wall shall also be developed all along the plant boundary.
1.9	PP shall explore the possibility of installation of roof-top Solar panels and if found feasible, the power generated from the solar panel shall be utilized in the plant itself.
1.10	The water requirement of 800 m3/day, shall be obtained from the Maharashtra Industrial Development Corporation (MIDC). PP shall obtain necessary permission from the Competent Authority in this regard.
1.11	Three tier Green Belt shall be developed in atleast 33% of the project area in a period of 1 year of adequate width and tree density shall not be less than 2500 per ha.Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop a 50 m toward Mangroves side, 15 m toward Jetty in addition to greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. The PP shall also do the plantation around the schools in the vicinity of the Plant. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.12	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 15 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.13	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
1.14	PP shall strictly implement the mitigation measures to minimise the pollution levels. Also PP shall undertake the source apportionment studies and submit the same to IRO.

S. No	EC Conditions
1.15	The recommendations of the approved Site-Specific 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 to the concerned Regional Office of the MoEF&CC.
1.16	The water sources, including ground water, shall be analysed for Ca, Al and Fe once in a year in the vicinity of the Plant (5 km radius) and reported to the IRO, MoEFCC.
1.17	PP shall restrict the import of gypsum import as raw material and emphasize on utilisation of gypsum available indigenously.
1.18	Materials shall be transported to and from the jetty with the help of conveyors connecting jetty and plant. The completely covered (Closed type gallery) shall be used for preventing the material from ingress caused by wind and rain. The conveyor details are covered in the Jetty EC dated 29.12.2023.
1.19	**Prior permission from Hon'ble High Court of Bombay should be obtained as per order dated 17 th September, 2018 in PIL 87/2006 for cutting of mangroves, if any, before start of construction of the project**
1.20	**PP should prepare a site-specific mangrove management plan in order to enhance the ecological health of mangroves along the creek. Further, Periodical assessment on status of adjacent mangroves (including the water quality of creek, soil characteristics, floral and faunal diversity etc.,) should be done by engaging agencies having expertise in the field and status report should be incorporated in six monthly compliance reports.**
1.21	**In order to preserve the existing mangroves along the creek, PP should assess the decadal change in extent mangroves along creek and should take necessary mitigation measures to eliminate factors responsible for mangrove degradation along the creek, in terms of quality and quantity, in consultation with Forest department/mangrove cell.**
1.22	**If any mangroves cutting are involved, mangrove afforestation should be carried out (10 times the areas to be affected) in consultation with Forest Department/Mangrove Foundation and success of mangrove afforestation efforts needs to be verified annually by reputed institution in the field of mangrove restoration and report should be submitted to concern IRO.**

Standard EC Conditions for (Cement plants)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable

S. No	EC Conditions
	to this project.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be 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 and their no's.)
2.2	The project proponent shall carryout Continuous 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 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.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	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.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation, The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

S. No	EC Conditions
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm3 and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

3. Air Quality Monitoring And Preservation In Case Of Integrated Cement Plants

S. No	EC Conditions
3.1	The emission norms applicable for the cement plant shall be adhered to.
3.2	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.3	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
3.4	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.
3.5	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.6	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	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.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	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.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
5.2	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.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	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;

S. No	EC Conditions
6.2	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Integrated Cement Plants

S. No	EC Conditions
7.1	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.
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
7.4	Waste heat recovery system shall be provided for kiln and cooler.

8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil. Oil collection trays shall be provided under coils on saddles in cold rolled coil storage area.
8.2	Kitchen waste shall be composted or converted to biogas for further use.
8.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
8.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

9. Green Belt

S. No	EC Conditions
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the

S. No	EC Conditions
	programme for reduction of the same including carbon sequestration by trees.
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	The project proponent 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.
10.3	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

11. Environment Management

S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
11.2	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.
11.3	A separate Environmental Cell both at the project and company head quarter level, with qualified

S. No	EC Conditions
	personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

12. Miscellaneous

S. No	EC Conditions
12.1	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.
12.2	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.
12.3	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.
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, 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.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	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.
12.7	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.
12.8	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.
12.9	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.
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of

S. No	EC Conditions
	involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.12	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).
12.13	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.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	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.
12.17	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.

Additional EC Conditions

Details of the proposal are as per the EIA/EMP report

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>a.</td><td>Terms of Reference for undertaking EIA study</td><td>25.08.2021</td></tr>
<tr><td>b.</td><td>Period of baseline data collection</td><td>Oct., 2021 To Dec., 2021</td></tr>
<tr><td>c.</td><td>Date of Public Consultation</td><td>18.04.2022</td></tr>
<tr><td>d.</td><td>Action plan to address the PH issues</td><td>Public Hearing and need based activities detail proposed are attached as Annexure IV.</td></tr>
<tr><td>e.</td><td>Location of the project</td><td>Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra</td></tr>
<tr><td>f.</td><td>Total land</td><td>10 ha Govt. lease land</td></tr>
<tr><td>g.</td><td>Land acquisition details as per MoEF&CC O.M. dated 7/10/2014</td><td>Out of the total project area; 3.24 ha area is under the possession of ACL and rest 6.76 ha will be acquired soon. MoU/Consent from land owners regarding the remaining land has already taken.</td></tr>
<tr><td>h.</td><td>Existence of habitation & involvement of R&R, if any</td><td>Project Site: No habitation exists within the project site.
Study Area: Villages falling near to the project site are as given below:
<table>
<tr><th>Habitation</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>Village Shahbaj</td><td>~1.8</td><td>SW</td></tr>
<tr><td>Village Ghasawad</td><td>~2.0</td><td>SW</td></tr>
<tr><td>Village Walawade</td><td>~2.5</td><td>SSW</td></tr>
<tr><td>Village Kolve</td><td>~2.5</td><td>ENE</td></tr>
</table>
Apart from the above there are approx. 113 villages falling within the 10 km radius study area.</td></tr>
<tr><td>i.</td><td>Elevation of the project site</td><td>4.66 to 4.86 m above mean sea level.</td></tr>
<tr><td>j.</td><td>Involvement of Forest land if any.</td><td>No involvement of Forest Land</td></tr>
<tr><td>k.</td><td>Water body exists within the project site as well as study area</td><td>Project site: There is no Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site.
Study area: Following water bodies are falling in the 10 km radius study area:
<table>
<tr><th>Water body</th><th>Distance (km)</th><th>Direction</th></tr>
<tr><td>Amba river</td><td>0.4</td><td>East</td></tr>
<tr><td>Shreegaon dam</td><td>6.0</td><td>SSW</td></tr>
<tr><td>Teenvira Dam</td><td>6.1</td><td>SW</td></tr>
</table></td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td></td><td></td><td><table><tr><td>Bhogeshwar river</td><td>7.5</td><td>NNE</td></tr></table></td></tr>
<tr><td>l.</td><td>Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area</td><td>Study area: There is no ESZ/ESA/National Park/Wildlife Park/ Wildlife Sanctuary/ Biosphere reserve/ Tiger reserve/ Elephant reserve within the 10 km radius study area.
Mangrove forest at a distance of ~0.05 km form project boundary.

List of Reserved and Protected Forest:<table><tr><th>Forest</th><th>Distance (km)</th><th>Direction</th></tr><tr><td>RF patch 01</td><td>4.0</td><td>East</td></tr><tr><td>RF patch 02</td><td>6.0</td><td>South</td></tr><tr><td>RF patch 03</td><td>6.0</td><td>SW</td></tr><tr><td>RF patch 04</td><td>8.0</td><td>WNW</td></tr></table></td></tr>
<tr><td>m.</td><td>Project cost</td><td>Proposed – INR Rs 547.19 Crores</td></tr>
<tr><td>n.</td><td>EMP cost</td><td><table><tr><th>Type</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr><tr><td>Proposed</td><td>65</td><td>1.95</td></tr></table></td></tr>
<tr><td>o.</td><td>Employment opportunity</td><td>900 persons (direct & Indirect)</td></tr>
<tr><td>p.</td><td>Water and Power requirement</td><td>(Total)Water 2250 KLD, Power –56 MVA</td></tr>
<tr><td>q.</td><td>Details of inter-linked/integrated Projects.</td><td>• Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited is a interlinked project.
• Environment Clearance (EC) for the same has been obtained from MoEF&CC, New Delhi vide letter no. 10-77/2018-IA.III/EC identification no. EC23A3501MH5535147N dated 29th Dec., 2023.</td></tr>
</table>

ANNEXURE-III

Unit configuration and capacity

S No	Facility	configuration	Production (MTPA)
i.	Cement Grinding unit	2 x 325 TPH (Vertical Roller Mill)	4.5
ii.	Fly Ash/ Slag processing unit	1x 75 TPH (Ball Mill)	0.5

ANNEXURE-IV

Action plan as per MoEF&CC O.M. dated 30/09/2020

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1	***Skill Development***	Setting up of skill development training center (Providing short duration training programs for unemployed youth in the field of domestic electrician, plumber, motor mechanic etc.)	(Village Shahbaj & Kolve)	100	(Village Dolvi & Bori)	100	(Village Pezari & Shahapur)	100	300
		Vocational Course, technical trainings							
2	***Rural Infrastructure Development***	Develop/ Strengthening Multipurpose Community Hall	(Village Shahbaj & Kolve)	20	(Village Dolvi & Bori)	20	(Village Pezari & Shahapur)	20	60
		Installation of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries	20 nos. (Village Shahbaj & Kolve)	2	20 nos. (Village Dolvi & Bori)	2	20 nos. (Village Pezari & Shahapur)	2	6
		Creating Model Anganwadi	(Village Shahbaj & Kolve)	10	(Village Dolvi & Bori)	10	(Village Pezari & Shahapur)	10	30
		Development & Modification of Playgrounds and providing necessary sports equipments & faacilities for various types of sports	Village Shahbaj	20	Village Kolve	20	Village Pezari	20	60
		Construction and strengthening	(Village Shahbaj	30	(Village Dolvi & Bori)	30	(Village Pezari & Shahapur)	30	90

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		of internal village pathways/roads	& Kolve)						
3	***Education***	Upgradations/ Renovation of Classrooms in Schools of nearby Villages, support infrastructure development like construction of toilets (girls & boys) in Schools, drinking water facility, sports equipment, laboratory equipment's and installation of smart classes in the Government schools to promote Digital education etc.	(Village Shahbaj & Kolve)	50	(Village Dolvi & Bori)	50	(Village Pezari & Shahapur)	50	150
		Financial support to meritorious students		20		20		20	60
4	***Health***	Infrastructure development at PHC and at sub centres (Construction of delivery rooms, supplying of modern medical equipment, etc. support such as vaccination drives	(Village Shahbaj & Kolve)	50	(Village Dolvi & Bori)	50	(Village Pezari & Shahapur)	50	150
		Mobile toilets for community areas	(Village Shahbaj & Kolve)	5	(Village Dolvi & Bori)	5	(Village Pezari & Shahapur)	5	15

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
5	***Women Empowerment***	Development of Women Empowerment Centre for Socio economic development (Skill Development training center with the installation of sewing machines, machines for making handcraft items & distribution of beauty parlor kits etc.)	(Village Shahbaj & Kolve)	10	(Village Dolvi & Bori)	10	(Village Pezari & Shahapur)	10	30
6	***Water related***	Installation of RO Plants & Water coolers to provide safe drinking water at community places	(Village Shahbaj & Kolve)	10	(Village Dolvi & Bori)	10	(Village Pezari & Shahapur)	10	30
7	***Agriculture Related***	Scientific Support and Awareness training to local Farmers to increase yield of crop and Fodder, fisheries, Capacity building training to farmers to reduce input cost and enhance income/ productivity and to improve agri-crop yield and social forestry	(Village Shahbaj & Kolve)	2	(Village Dolvi & Bori)	2	(Village Pezari & Shahapur)	2	6
		Distribution of good quality seeds to farmers, encouragement for organic farming, linkage of	(Village Shahbaj & Kolve)	4	(Village Dolvi & Bori)	3	(Village Pezari & Shahapur)	3	10

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		farmers to the source to get Organic materials and fertilizers							
8	***Afforestation***	Distribution of variety of tree species, herbal, fruit bearing types saplings with Tree guards and Avenue plantation in nearby villages & schools	(Village Shahbaj & Kolve)	1	(Village Dolvi & Bori)	1	(Village Pezari & Shahapur)	1	3
Total				**334**		**333**		**333**	**1000**
NOTE*: Nature of the activities & village can be interchanged from village to village may vary as per the requirement of locals/panchayat during the execution phase in coordination with local Gram Panchayat within the overall budget proposed here for Socio- Economic Development Plan.*									

Detailed Activity-wise Action Plan for Model Villages

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
1	***Skill Development***	Job oriented skills development training to unemployed youth	100 trainees / Covering all 6 villages	15	100 trainees / Covering all 6 villages	15	100 trainees / Covering all 6 villages	15	45
		Capacity Building and livelihood support to women	100 women / all 6 villages	10	100 women /all 6 villages	10	100 women / all 6 villages	10	30
2	***Rural Infrastructure***	Multipurpose	1 / Village	10	1 / Village Kolve	10	1 / Village	10	30

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
	Development	Community Hall	Shahbaj				Shahapur		
		Solar Street Lights	30 / All 6 villages	15	30 / All 6 villages	15	30 / All 6 villages	15	45
		Provision of Solar Panels in the Government / Municipal / other public schools, hospitals and Dispensaries in nearby villages	20 / Covering all 6 villages	20	20 / Covering all 6 villages	20	20 / Covering all 6 villages	20	60
		Strengthening of Rural Pathways	2 / Village Shahbaj & Village Kolve	9	2 / Village Dolvi & Village Bori	9	2 / Village Pezari & Village Shahapur	9	27
		Creating Model Anganwadi	2 / Village Shahbaj & Village Kolve	10	2 / Village Dolvi & Village Bori	10	2 / Village Pezari & Village Shahapur	10	30
		Community toilet blocks	3 / Village Shahb	9	3 / Village Dolvi &	9	3 / Village Pezari &	9	27

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
			aj & Village Kolve		Village Bori		Village Shahapur		
		Reparing of schools	4 / Village Shahbaj & Village Kolve	9	4 / Village Dolvi & Village Bori	9	4 / Village Pezari & Village Shahapur	9	27
3	***Ground Water Conservation***	Ponds deepening & maintenance	5 / Village Shahbaj & Village Kolve	10	5 / Village Dolvi & Village Bori	10	5 / Village Pezari & Village Shahapur	10	30
		Shore-line bund protection	6 / Village Shahbaj & Village Kolve	5	6 / Village Dolvi & Village Bori	5	6 / Village Pezari & Village Shahapur	5	15
4	***Safe Drinking Water***	Installation of RO filters in the Government / Municipal / other public schools, hospitals and Dispensaries in	6 / Covering all 6 villages	6	6 / Covering all 6 villages	6	6 / Covering all 6 villages	6	18

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		nearby villages							
5	***Education***	Strengthening of school infrastructure to create model school	2 / Village Shahbaj & Village Kolve	10	2 / Village Dolvi & Village Bori	10	2 / Village Pezari & Village Shahapur	10	30
		Providing Sports Kit to schools	12 / Covering all 6 villages	1	12 / Covering all 6 villages	1	12 / Covering all 6 villages	1	3
		Coaching for competitive examinations	1 / Village Shahbaj & Village Kolve	5	1 / Village Dolvi & Village Bori	5	1 / Village Pezari & Village Shahapur	5	15
6	***Health***	Strengthening of community health centers infrastructure	2 / Village Shahbaj & Village Kolve	20	2 / Village Dolvi & Village Bori	20	2 / Village Dolvi & Village Bori	20	30
7	***Afforestation***	Raising of Avenue Plantations and Plantations in Public/ Community Areas	2 / Village Shahbaj & Village Kolve	3	2 / Village Dolvi & Village Bori	3	2 / Village Dolvi & Village Bori	2	6
				167		**167**		**166**	**500**

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1st Year		2nd Year		3rd Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
								Total	500

सत्यमेव जयते

File No: IA-J-11011/261/2021-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division
****

Date **24/11/2024**

To,

M/s. ADANI CEMENTATION LIMITED
Adani House, 56 Srimali Society, Navrangpura Ahmedabad
Email:

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-Corrigendum in Environmental Clearance

Sir/Madam,

This is in reference to your application for Corrigendum to EC submitted to Ministry vide proposal number IA/MH/IND1/503362/2024 dated 28/10/2024.

2. The particulars of clearance granted against which the corrigendum is sought are as under:

(i) Unique Identification No.	EC22B1103MH5800079N
(ii) File No.	IA-J-11011/261/2021-IA-II(IND-I)
(iii) Clearance Type	Application of corrigendum- EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	3(b) Cement plants
(vii) Name of Project	Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited
(viii) Name of Company/Organization	ADANI CEMENTATION LIMITED
(ix) Location of Project (District, State)	MAHARASHTRA
(x) Issuing Authority	MOEF&CC

3. The project of M/s. Adani Cementation Limited (ACL) located at Village – Shahbaj, Taluka – Alibag, District – Raigad, Maharashtra is for establishment of a green field Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons per Annum (MMTPA) and 0.5 Million Metric Tons per Annum (MMTPA) Fly ash/ Slag Processing Unit has

obtained an Environmental Clearance vide letter no. IA-J-11011/261/2021-IA-ll(IND-I) dated 13.09.2024.

4. Minor typographical errors need to be updated in the obtained EC under points m, n, o, and p of Annexure II of EC letter. which is not align with the information provided in the EIA/EMP Report as well as the Minutes of Meeting of 58th EAC (Industry - I) dated 29.05.2024 as given Annexure I.

5. The details of the submission have been verified in the EIA/EMP report and it is noted that the applicant has submitted for update of factual information already submitted to MoEFCC.

6. The Ministry of Environment, Forest and Climate Change has examined the request submitted to Ministry for the aforementioned factual correction. Based on the detailed deliberation, Ministry hereby accords corrigendum to EC issued letter IA-J-11011/261/2021-IA-ll(I) dated 13/09/2024 as given in **Annexure I.** subject to compliance of Terms and conditions stipulated in aforesaid letter.

7. This issues with approval of the competent authority.

Dinesh Runiwal
Scientist 'F'/ Director
Tel:011- 20819346
Email: d.runiwal@gov.in

Copy To

1. The Secretary, Environment & Forest Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai-400032
2. The Secretary, Revenue Department, Government of Maharashtra, 4th Floor, Mantralaya, Mumbai- 400032
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests & Government of Maharashtra, MECL Building, Dr. Ambedkar Bhawan, Seminary Hills, Civil Lines, Nagpur-440006
5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur-440001
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi - 32
7. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. The District Collector, Raigad, Mumbai
10. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
11. Guard File/Monitoring File/Website/Record File/Parivesh Portal

Dinesh Runiwal
Scientist 'F'/ Director

Additional EC Conditions

NA

Annexure I

<table>
<tr><th>S.No. (as per Annexure - II of the EC Letter)</th><th>Particulars</th><th>Details (as per EC letter)</th><th>Corrigendum Details (as per EIA/EMP Report)</th></tr>
<tr><td>m.</td><td>Project cost</td><td>Proposed - INR Rs 547.19 Crores</td><td>Proposed - INR Rs. 990 Crores</td></tr>
<tr><td>n.</td><td>EMP cost</td><td><table><tr><th>Type</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr><tr><td>Proposed</td><td>65</td><td>1.95</td></tr></table></td><td><table><tr><th>Type</th><th>Capital (Rs. in Crores)</th><th>Recurring (Rs. in Crores)</th></tr><tr><td>Proposed</td><td>100</td><td>9.2</td></tr></table></td></tr>
<tr><td>o.</td><td>Employment opportunity</td><td>900 persons (direct & Indirect)</td><td>415 persons (direct 8- Indirect)</td></tr>
<tr><td>o.</td><td>Water and Power requirement</td><td>(Total)Water 2250 KLD, Power –56 MVA</td><td>(Total)Water 800 KLD, Power –26 MVA</td></tr>
</table>

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd, 3rd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (R26)
No:- Format1.0/CAC/UAN No.0000213403/CE/2501002766

Date: 29/01/2025

To,
ADANI CEMENTATION LIMITED
333(P), 335/A(P), 335/B(P), 335/K(P), 340(P), 341(P), 342(P), 343(P), 344(P), 334(P),Village: Shahbaj, Taluka: Alibag, District: Raigad (Maharashtra).

Your Service is Our Duty

Sub: Consent to Establish

Ref: Minutes of 12th CAC Meeting of 2024-25 CAC meeting held on 13/12/2024.

Your application No.MPCB-CONSENT-0000213403 Dated 20.06.2024

For: Grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 and Rule 18(7) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
2. **The capital investment of the project is Rs.990 Crs. (As per undertaking submitted by pp)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Cement Grinding Unit (OPC, PPC & PSC)	4.5	MTPA
2	Fly Ash / Slag Processing Unit	0.5	MTPA

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0.0	As per Schedule-I	Not Applicable
2.	Domestic effluent	55	As per Schedule-I	On land for gardening

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S1	Cement Mill Stack 1	1	As per Schedule -II
2	S2	D.G. Set 1 MVA (in case of emergency)	1	As per Schedule -II
3	S3	Cement Mill 2	1	As per Schedule -II
4	S4	HAG	1	As per Schedule -II
5	S5	Fly ash/Slag Mill	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Municipal Dry Waste	1000	Kg/Annum	Sale	Sale to authorized party
2	Dust from APCE	100000	Ton/Y	NA	Dust collected from various APCEs will be totally recycled into the process
3	STP Sludge	0.2	Ton/Y	NA	Used as manure for greenbelt development / plantation
4	Municipal Wet Waste	30	Ton/Y	Organic Waste Composter	Will be Disposed after segregating into bio-degradable and non-degradable waste

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for Collection, Segregation, Storage, Transportation, Treatment and Disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.2 Wastes or residues containing oil	10	Ton/Y	Incineration	Sale to authorised party / CHWTSDF
2	5.1 Used or spent oil	2	Ton/Y	Recycle	Sale to authorised party / CHWTSDF
3	Other	5000	Nos./Y	Landfill after treatment	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The applicant shall not carry out any excess production or new activity without obtaining Consent of the Board and without obtaining Environmental Clearance wherever it applicable.

11. The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
12. The applicant shall obtain Environmental Clearance for said activity before start of commissioning of unit.
13. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server.
14. PP shall strictly comply with the CRZ Clearance issued by SEIAA MOECC GoM, vide dtd.11.09.2019.
15. PP shall comply with MOEF&CC notification vide GSR 612 (E) dtd. 25/08/2014 and its amendment vide GSR 496 (E) dtd. 09/05/2016 for cement industries.
16. This consent is issued pursuant to 12th Consent Appraisal Committee meeting of 2024-25 held on dtd. 13.12.2024
17. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)
18. The industry shall create an Environment Cell by appointing an Environmental Engineer / Expert for looking after day-to-day activities related to Environment / Pollution control.

This consent is issued on the basis of information/documents submitted by the Applicant/Project Proponent, if it has been observed that the information submitted by the Applicant/Project Proponent is false, misleading or fraudulent, the Board reserves its right to revoke the consent & further legal action will be initiated against the Applicant/Project Proponent.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1980000.00	MPCB-DR-27839	09/07/2024	RTGS

Copy to:

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Raigad I

- They are directed to ensure the compliance of the consent conditions.

2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] Generation - As per your application the treated effluent generation is Nil.
   B] Treatment - NA
   C] Disposal - NA

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 70 CMD for the treatment of 55 CMD of sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30
3	COD	Not to exceed	100

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way for gardening / outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	650.00
2.	Domestic purpose	80.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0.00

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S1	Cement Mill Stack 1	Fabric Bag Filter Stack	55.00	-	-	TPM	30 Mg/Nm^3
S2	D.G. Set 1 MVA	Acoustic Enclosure Stack	5.00	HSD 1000 Ltr/A	1.0	TPM	30 Mg/Nm^3
S3	Cement Mill 2	Fabric Bag Filter Stack	55.00	-	-	TPM	30 Mg/Nm^3
S4	HAG	Fabric Bag Filter Stack	55.00	Coal (HAG) 0.004 MT/A	0.5	TPM	30 Mg/Nm^3
S5	Fly ash/Slag Mill	Fabric Bag Filter	40.00	-	-	TPM	30 Mg/Nm^3

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards
Cement	
Total Particulate Matter	30 mg/ Nm^3
Sulphur Dioxide (SO2)	100, 700, 1000 when pyritic sulphur in limestone is less than 0.25%, 0.25% and 0.5% and more then 0.5% respectively.
Oxides of Nitrogen**	600mg/Nm^3
HCL	10.00 mg/Nm^3
HF	1.0 mg/Nm^3
TOC	10mg/Nm^3
Hg and its Compound	0.05 mg/Nm^3
Cd + Tl and its Compound	0.05 mg/Nm^3
Sb + As + Pb + Co + CgCu + Mn + Ni + V and their Compound	0.05 mg/Nm^3
Dioxin and Furans	0.1 ng TEQ/Nm^3

Parameters	Standards
Standards for DG Sets	
NOx (as NO_2) (AT 15% O_2), dry basis, in ppmv More then 150 MW	360
NMHC (as C)(at 15% O_2), mg/Nm^3	100
PM (at 15% O_2), mg/Nm^3 Diesel Fuels- HSD & LDO	75
PM (at 15% O_2), mg/Nm^3 Furnance Oils-LSHS & FO	100
CO (at 15% O_2), ng/NM3	150

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. The industry shall provide adequate APCs to Loading/Unloading/Packing house in plant and operate the same continuously.
7. The industry shall provide concrete roads & mist type sprinklers/dust suppression system in raw material storage and handling area.
8. The Clinker transfer points shall be provided with adequate suction head & APC System and operate the same continuously.
9. The applicant shall operate continues monitoring system for process stack emission analysis & same shall be directly connected to MPCB website https://mpcb.gov.in as well as submit the reports to respective Sub Regional & Regional Office regularly.

10. The applicant shall operate continues automatic ambient air (CAAQMS) and micrometeorological monitoring station at location indicated by State Board to be setup and operate at its own cost and measure SO2,NOx and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring of MPCB.
11. The Clinker/Gypsum/Ash handling system shall be covered with proper handling and ventilation arrangement connected to dust suppress agent, so as not to allow any fugitive emissions
12. There shall not be any fugitive emissions. The industry should not carry any nuisance in surrounding area.
13. The ?rm shall provide continuous ?ow meters for measurement of the flow of the air.
14. The applicant shall close down or de-rate the plant if concentration of emission is found to be exceeding the prescribed limit.
15. The industry shall submit the daily monitoring results of stack air and ambient air monitoring of first week of every month to the respective Sub Regional & Regional Office with copy to Head Office.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 25.0 Lakhs	15 Days	Towards Compliance of Consent Conditions	upto commissining of unit	31/01/2030

The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days from the date of issue of Consent.

If the above Bank Guarantee is not submitted within stipulated period, then 12% interest will be levied as a penalty as per circular dtd 29/02/2024 No. BO/MPCB/AS(T)/Circular/B-240229FTS0122

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.

25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.

ATTACHMENT-1

EC GRANT PUBLISHED IN NEWS PAPERS (ENGLISH)

ADANI CEMENTATION LIMITED

(Raigad, Maharashtra)

Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra

PUBLIC NOTICE

It is hereby informed that the Ministry of Environment, Forest & Climate Change (MoEF&CC) has granted Environmental Clearance for Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA) Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra proposed by M/s. Adani Cementation Limited.

A copy of **Environmental Clearance vide Letter no. IA-J-11011/261/2021-IA-II(IND-I) & EC Identification no. EC22B1103MH5800079N dated 13.09.2024** is available at website (www.parivesh.nic.in) of "Ministry of Environment, Forest & Climate Change"

Project Proponent
M/s. Adani Cementation Limited
Raigad, Maharashtra

EC GRANT PUBLISHED IN NEWS PAPERS (MARATHI)



अदानी सिमेन्टेशन लिमिटेड
(रायगड, महाराष्ट्र)

गाव: शाहबाज, तालुका: अलिबाग, जिल्हा: रायगड, महाराष्ट्र

जाहीर सूचना

याद्वारे कळविण्यात आहे की पर्यावरण, वन आणि हवामान बदल मंत्रालयाने (एमओइएफअॅण्डसीसी) गाव: शाहबाज, तालुका: अलिबाग, जिल्हा: रायगड, महाराष्ट्र येथील मेसर्स अदानी सिमेन्टेशन लिमिटेड यांचे सिमेंट निर्माणक्षमता 4.5 दशलक्ष मेट्रिक टन्स दरसाल (एमएमटीपीए) असणारे युनिट आणि 0.5 दशलक्ष मेट्रिक टन्स दरसाल (एमएमटीपीए) फ्लाय अॅश/स्लॅग प्रोसेसिंग युनिट असणाऱ्या ग्रीनफिल्ड सिमेंट ग्राइडिंग युनिट यांना पर्यावरणाचा परवाना मंजूर केलेला आहे.

एन्व्हायरोंमेंटल क्लिअरन्स वाइड लेटर फाइल नं. IA-J-11011/261/2021-IA-II(IND-I) आणि ईसी आयडेन्टिफिकेशन नं. EC22B1103MH5800079N दिनांकीत 13/09/2024 यांची प्रत 'पर्यावरण वन आणि हवामान बदल मंत्रालयाच्या' वेबसाइट (www.parivesh.nic.in) वर उपलब्ध आहे.

प्रकल्प प्रस्तावक
मेसर्स अदानी सिमेन्टेशन लिमिटेड
रायगड, महाराष्ट्र

adani

Ref. No.: EC/ENV/RGU/10-24/04 **Date:** 07.10.2024

To,

Tehsil Office, Pen,

Taluka- Pen, District- Raigad

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

Ref.: Environment Clearence letter issued by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024

Sir,

With reference to the aforesaid subject; we would like to inform you that M/s. Adani Cementation Limited applied for obtaining Environmental Clearance to MoEFCC, New Delhi on 09.04.2024 and Environment Clearence for the above-mentioned project has been granted by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024. **(Enclosed as Annexure - 1)**

Now, as pe the EC General Condition no 12.2, we are hereby submitting you the copy of Environment Clearence for the above said project for your kind consideration & record.

Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad
Authorized Signatory

Encl: as above

लेखनिक
तहसिलदार कार्यालय पेण.
08 OCT 2024

Adani Cementation Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 4444
Fax +91 79 2555 7177
Info@adani.com
www.adani.com

Registered Office: Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle S.G. Highway Khodiyar, Ahmedabad - 382 421

Scanned with OKEN Scanner

adani

Ref. No.: EC/ENV/RGU/10-24/01 **Date:** 07.10.2024

To,

The District Industries Centre,

Raigad, Alibaug

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

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For Adani Cementation Limited

Sanjay Prasad

Authorized Signatory

Encl: as above

8/10/2024

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Scanned with OKEN Scanner

adani

Ref. No.: EC/ENV/RGU/10-24/03

Date: 07.10.2024

To,

The Police Superintendent,

Alibag Police Station,

Taluka- Alibaug, District- Raigad

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

Ref.: Environment Clearence letter issued by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024

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Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad

Authorized Signatory

Encl: as above

पोलीस अधीक्षक, रायगड-अलिबाग करिता

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Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U74999GJ2016PLC094589

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Scanned with OKEN Scanner

adani

Ref. No.: EC/ENV/RGU/10-24/06 **Date:** 07.10.2024

To,

Chief Executive Officer
Zilla Parishad Raigad, Alibag

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

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Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad
Authorized Signatory

Encl: as above

08/10/24
लेखनिक
मध्यवर्ती नोंदणी शाखा
रायगड जिल्हा परिषद,अलिबाग
402 201

Adani Cementation Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 4444
Fax +91 79 2555 7177
info@adani.com
www.adani.com

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adani

Ref. No.: EC/ENV/RGU/10-24/07 **Date:** 07.10.2024

To,

Chief Officer
Nagar Parishad Alibag
Tal. Alibag, Dist. Raigad

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

Ref.: Environment Clearence letter issued by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024

Sir,

With reference to the aforesaid subject; we would like to inform you that M/s. Adani Cementation Limited applied for obtaining Environmental Clearance to MoEFCC, New Delhi on 09.04.2024 and Environment Clearence for the above-mentioned project has been granted by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024. **(Enclosed as Annexure - 1)**

Now, as pe the EC General Condition no 12.2, we are hereby submitting you the copy of Environment Clearence for the above said project for your kind consideration & record.

Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad
Authorized Signatory

Encl: as above

लेखनिक
अलिबाग नगरपरिषद 08/10/2024
पत्र देण्यात तामील
वेळ :

Adani Cementation Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 4444
Fax +91 79 2555 7177
info@adani.com
www.adani.com

Registered Office: Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle S.G. Highway Khodiyar, Ahmedabad - 382 421

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Ref. No.: EC/ENV/RGU/10-24/05

Date: 07.10.2024

To,

Grampanchayat Offices of villages Shahabaj and Shahapur, Poinad, Ghaswad, Dhamanpada, Kamalpada, Walwad, Pejari,
Tal. Alibag, Dist. Raigad

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

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Sir,

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Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad
Authorized Signatory

Encl: as above

आ.क. ८९० ०१/१०/२०२४

ग्रामपंचायत, शहाबाज* स्थापना १९५१ *अलिबाग, जि. रायगड

Adani Cementation Ltd
Adani Corporate House
Shantigram, S G Highway
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Gujarat, India
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adani

Ref. No.: EC/ENV/RGU/10-24/02 **Date:** 07.10.2024

To,

Tehsil Office Alibag,

Taluka- Alibaug, District- Raigad

Subject: Greenfield Cement Grinding Unit with Cement Production Capacity of 4.5 Million Metric Tons Per Annum (MMTPA) and 0.5 Million Metric Tons Per Annum (MMTPA), Fly Ash / Slag Processing Unit at Village: Shahbaj, Taluka: Alibag, District: Raigad, Maharashtra by M/s. Adani Cementation Limited-. - ***Submission of Copy of Environment Clearence.***

Ref.: Environment Clearence letter issued by MoEF&CC *vide* File No: IA-J-11011/261/2021-IA-II(IND-I) dated 13.09.2024

Sir,

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Thanking you & with regards,

For Adani Cementation Limited

Sanjay Prasad

Authorized Signatory

Encl: as above

महसूल सहायक
तहसिल कार्यालय अलिबाग

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Shantigram, S G Highway
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