

Ref.: ACL/Raigad Jetty/Environment/EC/MOEFCC/11-24/01

Date: 29.11.2024

**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 Berthing Jetty, Conveyor corridor with Backup storage facility & approach road to Cement Grinding Unit & Fly ash/ slag processing unit of Adani Cementation Limited || Period: April' 2024 to September' 2024

**Ref:** Environmental Clearance File No: 10-77/2018-IA.III, dated 29/12/2023


Dear Sir,

With reference to above subject, please find enclosed herewith six monthly (April'2024 to September'2024) Environment Clearance (EC) compliance report of Berthing Jetty, Conveyor corridor with Backup storage facility & approach road to Cement Grinding Unit & Fly ash/ slag processing unit of Adani Cementation Limited for the period of April'2024 to September'2024 as EC obtained vide dated 29<sup>th</sup> December 2023.

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**



**Sanjay Prasad**  
**(Head Environment & 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, 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> 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

**SIX MONTHLY COMPLIANCE REPORT OF  
ENVIRONMENTAL CLEARANCE**

**BERTHING JETTY, CONVEYOR CORRIDOR WITH BACKUP  
STORAGE FACILITY & APPROACH ROAD TO CEMENT  
GRINDING UNIT & FLY ASH/SLAG PROCESSING UNIT OF  
ADANI CEMENTATION LIMITED**

**At**

**VILLAGE SHAHBAJ & SHAHPUR, ALONG AMBA RIVER,  
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**

**Adani Cementation Limited  
Ahmedabad, Gujarat**

**Period: April' 2024 – September' 2024**

**ADANI CEMENTATION LIMITED**

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**COMPLIANCE TO THE CONDITIONS STIPULATED IN ENVIRONMENTAL CLEARANCE [File No: 10-77/2018-IA.III, Dated: 29<sup>th</sup> Dec, 2023] [EC Identification No: EC23A3501MH5535147N] for Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of Adani Cementation Limited at village Shahbaj and Shahpur, Taluka-Alibag, District-Raigad, Maharashtra by M/s Adani Cementation Limited (ACL) issued by Ministry of Environment, Forest and Climate Change IA Division.**

1	Specific Condition – EC Conditions	Compliance
1.1	1. Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Noted and Compliance Assured. EC has been obtained on 29 <sup>th</sup> Dec. 2023 (Enclosure – 1) and CTE has been issued on 16 <sup>th</sup> May 2024 (Attachment – 1). Construction activity shall be started after obtaining all necessary clearances/NOC from concerned authority.
	1. All the recommendations and conditions specified by the Maharashtra State Coastal Zone Management Authority (MCZMA) vide letter No CRZ 2018/CR 136/TC 4dt. 10.12.2020 shall be complied with.	Noted and Compliance Assured (Attachment – 3).
	2. Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Maharashtra Pollution Control Board issued Consent to Establish vide RED/L.S.I (R46), No:- Format 1.0/CAC/UAN No. 0000194213/CE/2405001563, Dated 16 <sup>th</sup> May 2024 (Attachment – 1).
	3. As proposed storage area of 1.306 Ha, shall be placed outside of the CRZ area, with the minimum distance of 200m inside the proposed Cement Grinding Plant and southern bank of Amba estuary at Shahpur and Shahbaj Village, Alibag Taluk, Raigad district, Maharashtra. No storage is permitted within the CRZ area and this CRZ area shall be made part of green belt.	Noted
	4. As proposed by Project Proponent the storage area of 1.306 Ha shall be dedicatedly used for Backup and storage facilities of the Jetty only. No plant material and storage shall be mixed with it.	Noted and Compliance Assured
	5. Materials are transported to and from the jetty with the help of conveyors connecting jetty and plant.	Noted

	The completely covered (Closed type gallery) shall be used for preventing the material from ingress caused by wind and rain.	
	6. Project Proponent shall ensure the loading and unloading process shall not cause any spillage in the water and storm water drains should be built to collect spillage, if any.	Noted
	7. Storage of the Cement, Clinker, Slag, Coal, AFR and Fly ash., shall be under covered shed accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.	Noted. The Storage of the Cement, Clinker, Slag, Coal, AFR and Fly ash., shall be under covered shed.
	8. Cement, Clinker, Slag, Coal, AFR and Flyash, handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Noted. The material handling equipment shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points shall be provided with efficient dust control arrangements.
	9. The approach road shall be constructed strictly follow the Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area and road should be built on stilts.	Noted
	10. As proposed by Project Proponent, no fuel filling facility is permitted to the vessels at jetty.	Noted and Compliance Assured
	11. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the port area at least at four locations (one within and three outside the port area at an angle of 120°each), covering upwind and downwind directions.	Noted and Compliance Assured
	12. 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 fugitive emission standards.	Noted and Compliance Assured
	13. Garland drains and collection pits of adequate capacity shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface runoff and disposed only after treatment.	Noted and Compliance Assured

	14. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Noted and Compliance Assured
	15. Risk assessment for spill scenarios and Disaster Management Plan as prepared shall be in place in the environment Management cell of VPT with all SOP's for various scenarios.	Noted and Compliance Assured
	16. Spillage of fuel/engine oil and lubricants from the construction site area source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Noted
	18. Records of regular dredging shall be maintained with periodic survey data.	Noted
	19. Sediment analysis of harbor at identified locations shall be analyzed and records for past and present period shall be maintained.	Noted
	20. The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Noted
	21. No underwater blasting is permitted.	Noted
	22. Necessary approvals be taken during implementation and commissioning from statutory bodies concerned.	Noted and Compliance Assured
	23. A site specific biodiversity conservation plan including mitigation measures to be developed from competent nationally/internationally recognized institute with appropriate financial allocation for its implementation.	Noted. Marine Biodiversity Impact Assessment Report and Management Plan has been prepared by CSIR - National Institute of Oceanography (NIO) along with the EIA Study at the time Environment Clearance.
	24. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.	Noted
	25. A continuous monitoring programme covering all the seasons on various aspects of the coastal and marine environs need to be undertaken by a	Noted and Compliance Assured

	<p>competent organization available in the State or by entrusting to the National Institutes/reowned Universities/accredited Consultant with rich experiences in marine science aspects. Monitoring should include sea weeds, sea grasses, mudflats, sand dunes, fisheries, mangroves and other marine biodiversity components as part of the management plan.</p>	
	<p>26. Sediment concentration should be monitored fortnightly at source and disposal location of dredging while dredging.</p>	<p>Noted and Compliance Assured</p>
	<p>27. Necessary arrangements for the treatment of the effluents and solid wastes/facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.</p>	<p>Noted</p>
	<p>28. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.</p>	<p>Noted. Shall be implemented during the Construction and Operation Phase.</p>
	<p>29. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&amp;R, wildlife and forest conservation/protection measures including the NPV, Compensatory A forestation etc, either proposed by the project proponent based on the social impact assessment and R&amp;R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.</p>	<p>Noted and Compliance Assured. Action plan for the activities has been prepared in line with the commitment made for concerns raised during Public Hearing Year wise budget allocation and action plan for activities in line with commitment made for concerns raised during Public Hearing (Attachment – 2). It is envisaged at the time of execution of project.</p>
<b>1</b>	<b>Statutory Compliance - EC Conditions</b>	<b>Compliance</b>
<b>1.1</b>	<p>Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and</p>	<p>Noted</p>

	the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	
1.2	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	Noted
1.3	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted
<b>2</b>	<b>Air Quality Monitoring And Preservation - EC Conditions</b>	<b>Compliance</b>
2.1	The project proponent shall install system to carryout 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 project area at least at four locations, covering upwind and downwind directions.	Noted and Compliance Assured
2.2	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 emission standards.	Noted and Compliance Assured
2.3	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	Noted and Compliance Assured
2.4	Dust collectors shall be deployed in all areas where blasting(surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.	Noted
2.5	The Vessels shall comply the emission norms prescribed from time to time.	Noted
2.6	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	Noted
2.7	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05kms radius of the project	Noted and Compliance Assured



	is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	
<b>3</b>	<b>Water Quality Monitoring and Preservation – EC Conditions</b>	<b>Compliance</b>
3.1	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Noted and Compliance Assured
3.2	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.	Noted and Compliance Assured
3.3	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.	Noted and Compliance Assured
3.4	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Noted and Compliance Assured
3.5	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.	Noted and Compliance Assured
3.6	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Noted. Spillage of fuel / engine oil and lubricants from the construction site shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage (Oil water separator)
3.7	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Noted and Compliance Assured
3.8	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.	Noted. Sewage Treatment Plant shall be installed to treat the wastewater generated from the project. Treated water shall be reused for horticulture and dust suppression.

3.9	A certificate from the competent authority for discharging treated effluent/untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.	Noted
3.10	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	Noted
3.11	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.	Noted
<b>4</b>	<b>Noise Monitoring And Prevention – EC Conditions</b>	<b>Compliance</b>
4.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noted and Compliance Assured
4.2	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.	Noted and Compliance Assured
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Noted and Compliance Assured
4.4	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.	Noted and Compliance Assured
<b>5</b>	<b>Energy Conservation Measures – EC Conditions</b>	<b>Compliance</b>
5.1	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;	Noted. It is envisaged during operation phase of the Project.
5.2	Provide LED lights in offices and project areas.	Noted
<b>6</b>	<b>Waste Management – EC Conditions</b>	<b>Compliance</b>
6.1	Dredged material shall be disposed safely in the designated areas.	Noted
6.2	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.	Noted
6.3	Necessary arrangements for the treatment of the effluent sand solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act 1986.	Noted
6.4	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Noted

6.5	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Noted
6.6	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.	Noted
6.7	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	Noted
6.8	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.	Noted
<b>7</b>	<b>Green Belt – EC Conditions</b>	<b>Compliance</b>
7.1	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.	Noted and Compliance Assured
7.2	Top soil shall be separately stored and used in the development of green belt.	Noted
<b>8</b>	<b>Marine Ecology – EC Conditions</b>	<b>Compliance</b>
8.1	Dredging shall not be carried out during the fish breeding and spawning seasons.	Noted
8.2	Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.	Noted
8.3	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	Noted
8.4	While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.	Noted
8.5	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. There port shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment	Noted

	shall be as per standards survey methods and include underwater photography.	
8.6	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.	Noted
8.7	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.	Noted
<b>9</b>	<b>Public Hearing and Human Health Issues – EC Conditions</b>	<b>Compliance</b>
9.1	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.	Noted
9.2	Workers shall be strictly enforced to wear personal protective equipments like dust mask, earmuffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.	Noted. It shall be strictly enforced to wear personal protective equipment by all the staff and workmen during the project execution and during operation phase.
9.3	In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.	Noted
9.4	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents	Noted. Safety and fire hazard awareness training shall be given to all workers including the mock drills. All standard safety and occupational hazard measures shall be implemented and monitored.
9.5	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.
9.6	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 healthcare, crèche 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 labours within the project site. Labours from nearby villages shall be preferred.
9.7	Occupational health surveillance of the workers shall be done on a regular basis.	Noted
<b>10</b>	<b>Environment Responsibility – EC Conditions</b>	<b>Compliance</b>

10.1	The company shall have a well laid down environmental policy duly approved 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.	Noted
10.2	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 report to the head of the organization.	Noted and Compliance Assured
10.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Noted. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report after commencement of the Project Construction activities.
10.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted
<b>11</b>	<b>Miscellaneous – EC Conditions</b>	<b>Compliance</b>
11.1	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.	Noted and complied (Attachment – 4).
11.2	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.	Noted and complied (Attachment – 5).
11.3	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.	Noted and Compliance Assured
11.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated	Noted

	environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	
11.5	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
11.6	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted and Compliance Assured
11.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted
11.8	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.	Action plant for the activities has been prepared in line with the commitment made for concerns raised during Public Hearing Year wise budget allocation and action plant for activities in line with commitment made for concerns raised during Public Hearing (Attachment - 2). It is envisaged at the time of execution of project.
11.9	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted
11.10	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
11.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
11.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
11.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the	Noted

	officer(s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	
11.14	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.	Noted
11.15	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
<b>12.</b>	<b>Specific Conditions – EC Conditions</b>	<b>Compliance</b>
12.1	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Noted. The Firefighting system shall be as per the norms and shall be made operational before commencement of the Manufacturing Process.



सत्यमेव जयते

**File No: 10-77/2018-IA.III**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**

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Date 29/12/2023



To,

Sanjay Prasad  
ADANI CEMENTATION LIMITED  
Adani House, 56 Srimali Society, Navrangpura Ahmedabad, Navrangpura, AHMADABAD,  
GUJARAT, , 380009  
sanjay.prasad@adani.com

**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

**Sir/Madam,**

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/INFRA1/445308/2023 dated 08/12/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A3501MH5535147N
(ii) File No.	10-77/2018-IA.III
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(e) Ports, harbors, breakwaters, dredging,7(e) Ports, harbors, breakwaters, dredging
(vi) Sector	INFRA-1
(vii) Name of Project	Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of 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



1. The proposed project is for setting up of Berthing Jetty, Conveyor Corridor and Approach Road to cater traffic load of 5 Million MTPA capacity proposed along Amba River at village Shahbaj and Shahpur, Taluka Alibag, District Raigad, Maharashtra by M/s Adani Cementation Limited (ACL).
2. It is estimated that around 6 ha will be required to establish the proposed Berthing Jetty, Conveyor Corridor with Backup storage facilities and Approach Road. Around 2.20 Ha. has been allocated for the Berthing Jetty, 0.90 Ha will be used for Conveyor Corridor & Approach Road and 1.306 Ha shall be dedicated for Backup and storage facilities as per permissible activity in CRZ - III (Rural) area.
3. The proposed jetty will develop in phased manner in Phase I:
4. One number of barge berth having total length of 160 m & width of 25 m having mechanized handling system of 1000 TPH for cement import and 400 TPH for fly ash/slag import.
5. Approx. 400m of approach trestle connecting landside facilities to Jetty (ii). Development of cement blending unit in non CRZ area.
6. Captive jetty, plant approach road and the right of way of conveyor between jetty and blending unit in CRZ area.
7. Approx. 500m of conveyor connecting from jetty to cement blending plant area
8. Dredging in berth pocket area
9. Unloading mechanism at jetty: self-discharging vessel/mechanized unloading
10. support back up infrastructure for operations and maintenance of the proposed facilities.

Phase II:

1. Three additional barge berths having total length of 460 m and 25 m wide.
2. 500 m of pneumatic discharge pipe/ conveyor connecting from jetty to cement blending plant area backup area development incremental supporting infrastructure.
3. The proposed Jetty will have four barge berths having total length of 620 m and 35 m wide with mechanized handling system. Approx. 535 m of pipe conveyor system connecting from jetty to cement grinding plant. Berths will have depth of 6 m in-front of the berths approx. 435 m of approach trestle connecting from onshore to jetty is also planned.
4. The proposed project falls under 7(e), Ports, Harbour, Breakwaters, Dredging Category-A, Highway as per EIA notification 2006. Total investment/cost of the project is Rs.172 Crore.
5. Details of Terms of References: The Terms of Reference (ToR) was considered in 36th meeting held on dated 26th November 2018 and the EAC recommended for grant of ToR, Ministry granted the ToR vide letter no. File no: 10-77/2018-IA.III, dated 13th December, 2018 subsequently the amendment in ToR in was considered in 43rd EAC meeting held on 22nd August, 2019, the EAC recommended for grant of amendment in ToR and Ministry granted the TOR on 09th October, 2019. Subsequently Applied for amendment in ToR and it was considered in 278th EAC meeting held on 28th October, 2021 and the Amendment in ToR was issued on 06.12.2021.
6. Public hearing details: Public Hearing was conducted at Jay Mangal Karyalaya, Pandawa Devi, Post - Poynad, Tal - Alibag, Dist- Raigad Maharashtra., The details are as following below:

Date of public	Location	District and State	Chaired by
18th April, 2022	At Jay Mangal Karyalaya, Pandawa Devi, at Post - Poynad, Tal- Alibag, Maharashtra.	District-Raigad, Maharashtra	Additional District Magistrate

1. Land use/Land cover of the project site is as following:

S. No.	LULC	Area (ha)	%	Remarks, if any
1	Waterfront area (CRZ IVB)	2.2000	37	Berthing Jetty
2	Mangrove Forest (CRZ IA)	0.6497	11	Conveyor Corridor and Approach Road for Backup Facilities
3	Intertidal area (CRZ IB)	0.5503	09	
4	Agriculture (CRZ -III)	2.6000	43	

Total	6.0000	100	
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1. Terrain and Topographical features: Ambariver is estuarine in nature and influenced by tide. Existing elevation of proposed project area varies between 4.66 m to 4.86 m from CD. Existing bund of about 2.5 m at 100m distance from project boundary which has been marked as HTL with respect to proposed integrated project area by 'Institute of Remote Sensing' Chennai and will be strengthen. Highest flood level of Ambariver near the site is around (+) 4.4 m with respect to CD. Onshore facilities of the Terminal are planned in the land generally flat with average Ground Level above Chart Datum. The proposed project is located on Seismic Zone - IV as per IS: 1893 (Part - I): 2002.
2. Details of water bodies, impact on drainage: The proposed project is located Ambariver (0.4 km in East direction), Bhogeshwar river (7.5 km in NNE direction), Shreegaon dam (6.0 km in SSW direction) and Teenvira Dam (6.1 km in SW direction).
3. Water requirements: The water requirement will be limited to drinking purposes only i.e., around 500 LPD and it will be sourced from local approved vendors. MoU with Local vendors will be made to supply domestic water.
4. Diversion of Forest land: Around 0.6497 Ha. Mangrove Reserved Forest is falling under proposed Jetty project for which, ACL has applied in MOEF&CC for Forest Clearance vide Proposal no. FP/MH/Others/40665/2019 dated 14.06.2019. Stage I forest clearance for diversion of Mangrove Forest has been obtained vide letter no.: Desk-17/Nodal/Thane/I.D-12816/812/2021-22 dt. 20.08.2021 of Addl. PCCF and from Ministry vide letter No-FC-I/MH-243/2021-NGP dated 29.10.2021.
5. Waste Management: Generation of Municipal Solid Waste is not envisaged. It is a greenfield project. Domestic wastewater generated from the office toilets will be treated in modular STP. The treated wastewater will be used for green belt development.
6. Details of tree cutting and Green belt development: About 158 tree likely to be affected. Compensatory afforestation will be raised at the cost of user agency on 1.00ha degraded forest land of reserve forest in survey no.134A(Now S.No.135) of village NavedarBeli, taluka Alibag, District Raigad as far as possible, a mixture of local indigenous species shall be planted and monoculture of any species may be avoid.
7. Details of Rainwater Harvesting: Rainwater harvesting will be implemented and practiced at the jetty deck and at the surroundings of proposed backup facility. The rainwater harvesting will be carried out through roof top rainwater harvesting method on the jetty deck and rainwater harvesting from surface / grounds at the backup facility.
8. CRZ area: The demarcation of CRZ survey has been carried out by Institute of Remote Sensing, Anna University, Chennai. The details are as following:Berthing jetty-CRZ IVB, Approach road-CRZ IA (50 m mangrove buffer), Backup & storage facility-CRZ IA & CRZ III Conveyor corridor-CRZ IA, CRZ III & CRZ IVB. The proposed project has been recommended by Maharashtra Coastal Zone Management Authority vide Letter No.CRZ 2018/CR 136/TC4 dt. 10.12.2020.
9. Foreshore facilities: Berthing jetty with piled trestle will be developed along the banks of Amba River. Since the proposed jetty is with trestle arrangement, there is no obstruction to the natural course of water flow and no change along the creek bank is envisaged. The indicative level capital dredging estimates work out to 60,000 m3 for entire berthing area. The dredge material will be utilized for cement grinding unit area development. In case of any siltation in future in the proposed berthing area, a maintenance dredging volume of up to 30,000 m3 will be taken up. The dredged material arising out of maintenance dredging will be appropriately disposed at identified dredge spoil ground. Accidental oil spill has been studied through mathematical modelling studies and the oil spill contingency plan is added.
10. Marine disposal: No marine disposal (effluent outfalls) is envisaged in the proposed development.
11. Total Traffic project will be.

Commodity	Incoming	Traffic(MTPA)
Cement	Incoming	2
Clinker	Incoming	1
Fly ASH	Incoming	0.5
Slag	Outgoing	1
Coal/AFR	Outgoing(AFR), Incoming(Coal)	0.5
Total		5

1. Land acquisition and R&R issues involved: The proposed project does not involve any R&R issues.
2. Employment potential: It is expected that the manpower requirement will be about 40 as direct employment during construction. About 10 Direct and more than 400 indirect Employment will be generated during operational phase. Preference will be given to the locals based on their skills and experience.
3. Benefits of the project: Development of proposed project will have direct benefit for the local people immensely in terms of continuous economic benefits. Improvements in Physical Infrastructure, Social Infrastructure, Employment Potential and Other Tangible Benefits through CSR activities are the key benefits expected from the project. The project will also contribute as Improvement of physical and social infrastructure to development of basic local amenities. Expansion/development/improvements in road network. Exposure to modern technologies used in production Increase in local income.
4. Details of Court cases: There is no litigation pending against this project.
5. During the EAC meeting, the Committee observed the following:
6. The EAC, taking into account the submission made by the project proponent, had a detailed deliberation in its 345th meeting on 09th-10th November, 2023 and **recommended** the proposal for the grant of Environmental and CRZ Clearance subject to all specific and standard conditions applicable for such projects.
7. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other miscellaneous projects) and hereby decided to grant Environmental and CRZ Clearance to 'setting up of Berthing Jetty, Conveyor Corridor and Approach Road to cater traffic load of 5 Million MTPA capacity proposed along Amba River at village Shahbaj and Shahpur, Taluka Alibag, District Raigad, Maharashtra by M/s Adani Cementation Limited (ACL) Adani Cementation Limited (ACL)' under the EIA Notification, 2006 as amended and CRZ Notification 2011, subject to strict compliance of the following specific conditions, in addition to all standard conditions applicable for such projects.
8. This issues with the approval of the Competent Authority

#### **Copy To**

1. The Secretary, Department of Environment, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madame Kama Road, Mantralaya, Mumbai - 400 032.
2. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
3. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Points, 3rd & 4th floor, Opp. Cine Planet, Sion Circle, Sion (E), Mumbai - 400 022.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. PARIVESH Portal.
7. Guard File/Record File.

**Annexure 1**

#### **Specific EC Conditions for (Ports, Harbors, Breakwaters, Dredging)**

##### **1. Specific Conditions**

S. No	EC Conditions
1.1	1. Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.

S. No	EC Conditions
	<ol style="list-style-type: none"> <li>1. All the recommendations and conditions specified by the Maharashtra State Coastal Zone Management Authority (MCZMA) vide letter No CRZ 2018/CR 136/TC 4 dt. 10.12.2020 shall be complied with.</li> <li>2. Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.</li> <li>3. As proposed storage area of 1.306 Ha, shall be placed outside of the CRZ area, with the minimum distance of 200m inside the proposed Cement Grinding Plant and southern bank of Amba estuary at Shahpur and Shahbaj Village, Alibag Taluk, Raigad district, Maharashtra. No storage is permitted within the CRZ area and this CRZ area shall be made part of green belt .</li> <li>4. As proposed by PP the storage area of 1.306 Ha shall be dedicatedly used for Backup and storage facilities of the Jetty only. No plant material and storage shall be mixed with it.</li> <li>5. Materials are 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.</li> <li>6. PP shall ensure the loading and unloading process shall not cause any spillage in the water and storm water drains should be built to collect spillage , if any.</li> <li>7. Storage of the Cement, Clinker, Slag, Coal, AFR and Fly ash., shall be under covered shed accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.</li> <li>8. Cement, Clinker, Slag, Coal, AFR and Fly ash., handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.</li> <li>9. The approach road shall be constructed strictly follow the Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area and road should be built on stilts.</li> <li>10. As proposed by PP no fuel filling facility is permitted to the vessels at jetty.</li> <li>11. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the port area at least at four locations (one within and three outside the port area at an angle of 120°each), covering upwind and downwind directions.</li> <li>12. 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 fugitive emission standards.</li> <li>13. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&amp;CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.</li> <li>14. Garland drains and collection pits of adequate capacity shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface runoff and disposed only after treatment.</li> <li>15. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</li> <li>16. Risk assessment for spill scenarios and Disaster Management Plan as prepared shall be in place in the environment Management cell of VPT with all SOP's for various scenarios.</li> <li>17. Spillage of fuel/engine oil and lubricants from the construction site are a source of organic</li> </ol>

S. No	EC Conditions
	<p>pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.</p> <p>18. Records of regular dredging shall be maintained with periodic survey data.</p> <p>19. Sediment analysis of harbor at identified locations shall be analyzed and records for past and present period shall be maintained.</p> <p>20. The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.</p> <p>21. No underwater blasting is permitted.</p> <p>22. Necessary approvals be taken during implementation and commissioning from statutory bodies concerned.</p> <p>23. A site specific biodiversity conservation plan including mitigation measures to be developed from competent nationally/internationally recognized institute with appropriate financial allocation for its implementation.</p> <p>24. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.</p> <p>25. A continuous monitoring programme covering all the seasons on various aspects of the coastal and marine environs need to be undertaken by a competent organization available in the State or by entrusting to the National Institutes/renowned Universities/accredited Consultant with rich experiences in marine science aspects. Monitoring should include sea weeds, sea grasses, mudflats, sand dunes, fisheries, mangroves and other marine biodiversity components as part of the management plan.</p> <p>26. Sediment concentration should be monitored fortnightly at source and disposal location of dredging while dredging.</p> <p>27. Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.</p> <p>28. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.</p> <p>29. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&amp;R, wildlife and forest conservation/protection measures including the NPV, Compensatory Aforestation etc, either proposed by the project proponent based on the social impact assessment and R&amp;R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.</p>

**Standard EC Conditions for (Ports, harbors, breakwaters, dredging)**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	Construction activity shall be carried out strictly according to the provisions of CRZ Notification,

S. No	EC Conditions
	2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
1.2	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
1.3	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

## 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install system to carryout 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 project area at least at four locations, covering upwind and downwind directions.
2.2	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 emission standards.
2.3	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.
2.4	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.
2.5	The Vessels shall comply the emission norms prescribed from time to time.
2.6	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.7	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

### 3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
3.2	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.
3.3	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.
3.4	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
3.5	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.
3.6	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
3.7	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
3.8	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.
3.9	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
3.10	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.
3.11	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.

### 4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.2	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed

S. No	EC Conditions
	limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
4.4	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.

### 5. Energy Conservation Measures

S. No	EC Conditions
5.1	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;
5.2	Provide LED lights in offices and project areas.

### 6. Waste Management

S. No	EC Conditions
6.1	Dredged material shall be disposed safely in the designated areas.
6.2	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.
6.3	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
6.4	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
6.5	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
6.6	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
6.7	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
6.8	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping



S. No	EC Conditions
	Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.

## 7. Green Belt

S. No	EC Conditions
7.1	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.
7.2	Top soil shall be separately stored and used in the development of green belt.

## 8. Marine Ecology

S. No	EC Conditions
8.1	Dredging shall not be carried out during the fish breeding and spawning seasons.
8.2	Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
8.3	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.
8.4	While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
8.5	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.
8.6	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.
8.7	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

## 9. Public Hearing And Human Health Issues

S. No	EC Conditions
9.1	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.
9.2	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
9.3	In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.
9.4	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.
9.5	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9.6	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
9.7	Occupational health surveillance of the workers shall be done on a regular basis.

## 10. Environment Responsibility

S. No	EC Conditions
10.1	The company shall have a well laid down environmental policy duly approved 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.
10.2	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 report to the head of the organization.
10.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

S. No	EC Conditions
10.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### 11. Miscellaneous

S. No	EC Conditions
11.1	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.
11.2	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.
11.3	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.
11.4	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.
11.5	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.
11.6	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
11.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.8	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.
11.9	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11.10	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.
11.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to

S. No	EC Conditions
	ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
11.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11.13	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.
11.14	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.
11.15	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.

## 12. Specific Conditions

S. No	EC Conditions
12.1	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto: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 (R46)  
No:- Format1.0/CAC/UAN  
No.0000194213/CE/2405001563

Date: 16/05/2024

To,  
M/s. Adani Cementation Ltd.  
Survey No. (Part) 333, 334, 335A, 335B, 335K,  
Village Shahbaj, Tal. Alibag Dist. Raigad, Maharashtra



**Sub: Grant of Consent to Establish for Proposed Jetty, Conveyor Corridor, Storage and Back up facilities and Approach Road under RED Category.**

**Ref:** 1. Environmental Clearance granted by MOEFCC vide No. F.No. 10-77/2018-IA-III dtd. 29.12.2023  
2. Minutes of Consent Appraisal Committee Meeting dtd. 05.03.2024

Your application No.MPCB-CONSENT-0000194213 Dated 13.01.2024

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:

- The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
- The capital investment of the project is Rs.172.0 Crs. (As per undertaking submitted by pp )**
- Consent is valid for handling of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Cargo handling capacity	5000000	MTPA
2	Jetty with 4 barge berths	0	--NA--

(Total length of Jetty barge birth is of 620 meters and width 35 meters with mechanized handling system and Conveyor Corridor with Storage & Back up facilities-5 MTPA and Approach Road for a Cement Bulk Terminal)

- 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	As per Schedule-I	Not Applicable

<b>Sr No</b>	<b>Description</b>	<b>Permitted</b>	<b>Standards to</b>	<b>Disposal</b>
2.	Domestic effluent	2.0	As per Schedule-I	On land for gardening

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

<b>Sr No.</b>	<b>Stack No.</b>	<b>Description of stack / source</b>	<b>Number of Stack</b>	<b>Standards to be achieved</b>
1	0	Material Handling system	0	As per Schedule -II

6. **Non-Hazardous Wastes:**

<b>Sr No</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
NA					

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

<b>Sr No</b>	<b>Category No./ Type</b>	<b>Quantity</b>	<b>UoM</b>	<b>Treatment</b>	<b>Disposal</b>
NA					

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. PP shall comply with the Environmental Clearance granted by MOEFCC vide No. F.No. 10-77/2018-IA-III dtd. 29.12.2023.
11. PP shall comply with all recommendations and conditions specified by the Maharashtra State Coastal Zone Management Authority (MCZMA) vide letter No CRZ 2018/CR 136/TC 4 dt. 10.12.2020.
12. PP shall comply according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area 1.
13. PP shall obtain the Forest clearance from the competent authority and shall comply with the same.
14. PP shall not take any effective steps towards installation on forest land till to obtain forest clearance from a competent Authority.
15. PP shall dispose of the construction material as per Construction and Demolition Waste Management Rules, 2016.
16. PP shall ensure to install the water and air pollution control system so as to achieve the consented norms.
17. PP shall submit the BG of Rs. 25.0 Lakh towards compliance of consent and Environmental Clearance conditions.
18. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity. (Establish)

**Received Consent fee of -**

<b>Sr.No</b>	<b>Amount(Rs.)</b>	<b>Transaction/DR.No.</b>	<b>Date</b>	<b>Transaction Type</b>
1	344000.00	MPCB-DR-24506	13/02/2024	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 10 CMD for the treatment of 2.0 CMD of sewage.  
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

<b>Sr.No</b>	<b>Parameters</b>	<b>Standards (mg/l)</b>	
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:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	2.50
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

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
0	Material Handling system	Closed Conveying system and Bag filters	0.00	-	-	TPM	30 Mg/Nm <sup>3</sup>

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 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.
4. 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).

## 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 Lakh	15 days	Compliance of consent and Environmental Clearance conditions	COU+6 months	31.10.2029

**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 siting 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 Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding upon you.
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 be 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. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

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. You shall operate OCEMS installed for source emission round 'O' clock and transmit data online to CPCB and MPCB server. You shall also monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in year and submit report to Sub Regional Officer.
14. You shall ensure collection, and segregation of BMW regularly to treat and dispose Off within 48 hrs from generation.
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. You shall not Rent, Lend, Sell, Transfer or Close Down the facility or otherwise transport the Bio Medical waste for any other purpose without obtaining prior written permission of the MPC Board.
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. You shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the facility premises.

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 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
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. You should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly. You shall conduct Dioxin Furan monitoring by third party NABL Accredited agency once in every year and submit report to Sub Regional Officer.
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.
34. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or 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.
35. You 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](http://www.mpcb.gov.in)).
36. You shall create the Environmental Cell by appointing an Environmental Engineer and Chemist for looking after day-to-day activities related to compliance of CCA.

37. You should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 , Bio Medical Waste Management 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 in Form-IV by 30th June of every year

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This certificate is digitally & electronically signed.

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## ATTACHMENT - 2

### YEAR WISE BUDGET ALLOCATION FOR ACTIVITIES UNDER CORPORATE ENVIRONMENT RESPONSIBILITY OF BERTHING JETTY, CONVEYOR CORRIDOR WITH BACKUP STORAGE FACILITY & APPROACH ROAD TO CEMENT GRINDING UNIT & FLY ASH/SLAG PROCESSING UNIT OF ADANI CEMENTATION LIMITED

Capital Investment Range (Rs. In Crore)	CER Percentage for Greenfield Project	Capex for this Project (Rs. In Crore)	CER Amount (Rs. In Crore)
≤100	2.0%	100.00	2.00
≥100 to ≤500	1.5%	72.00	1.08
<b>Total</b>			<b>3.08</b>

CER Activities	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total CER Budget (in crores)
<b>Skill Development</b> - Vocational Course, technical trainings	0.30	0.25	0.25	0.80
<b>Infrastructure development</b> - School infrastructure facilities and support (e.g., library, science lab etc.), Support in road safety, Drinking Water Supply	0.08	0.08	0.08	0.24
<b>Rural Development</b> Fisherman support, Scientific Support and Awareness to local Farmers to increase yield of crop and Fodder, Contribution to various Govt. Schemes (Swachh Bharat etc.)	0.40	0.20	0.20	0.80
<b>Environment Protection</b> Plantation / eco-tourism support, Awareness towards Environment Conservation	0.40	0.30	0.30	1.0
<b>Health &amp; Sanitation</b> Preventive measures health support (such as vaccination drives), Mobile toilets for community areas	0.08	0.08	0.08	0.24
<b>Total</b>	<b>1.26</b>	<b>0.91</b>	<b>0.91</b>	<b>3.08</b>

**Note:**

- Total Estimated Capital Cost: Around Rs. 172 Crores
- CER budget of Rs. 3.08 Crores has been estimated as per Office Memorandum of MoEF&CC, F.No-22-65/2017-IA.III, dated 1st May 2018 and dated 30<sup>th</sup> September 2020.
- The CER activities and action plan along with year wise budget allocation have been finalized in line with the commitment made for concerns raised during Public Hearing.

### ATTACHMENT - 3

**Compliance to the Specific and general Conditions prescribed in Maharashtra Coastal Zone Management Authority vide no. F. No. CRZ 2018/CR 136/TC4, dated 10<sup>th</sup> December 2020 for Berthing Jetty, Conveyor corridor with Backup storage facility & approach road to Cement Grinding Unit & Fly ash/slag processing unit of Adani cementation Limited, Village Shahbaj and Shahpur, Taluka Alibag, District Raigad**

S.No.	Compliance of the Conditions	Action Required
<b>Specific Conditions</b>		
1.	The proposed activities should be carried out strictly as per the provisions of CRZ Notification, 2011 as amended from time to time.	Noted. All the activities shall be carried out strictly as per the provisions of CRZ
2.	Project proponent should implement Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently during construction and operational phase of the project to ensure that coastal environment is protected.	Noted. We shall implement the Mitigation measures and Environment Management plan as stipulated in the EIA report, effectively and efficiently during construction and operational phase of the project
3.	Project proponent should carry out simultaneous monitoring of the impact of the project activities on the surrounding area and accordingly, implement the mitigation plan & environment management plan for the protection of the coastal environment.	Noted and compliance assured
4.	Project proponent to ensure that mangroves cutting should be restricted to minimum. Spacing between piles of conveyor corridor should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/channels should be provided at appropriate locations while constructing approach road so as to ensure the free movement of the tidal water in the mangrove vegetation.	Noted. The Spacing between piles of conveyor corridor should be designed in such a way that it will have minimum footprint in the mangroves area. Adequate Culverts/channels should be provided at appropriate locations.
5.	Project proponent to ensure that no reclamation shall be carried out at the two creeklets present near the project location. Free flow of the creeklets should not be blocked, during construction and operation phase of the project.	Noted
6.	Project proponent to ensure that the dredging should be carried out in controlled manner confined to only jetty area.	Noted

7.	Cement plant should be located outside CRZ area, as proposed by the Project proponent. Proper care and effective measures should be taken to avoid spillages or fugitive emission of the material from the backup storage facilities. Conveyor belt should be fully enclosed to ensure zero spillage of the transport material.	Noted. The Conveyor belt shall be fully enclosed to ensure zero spillage of the transport material.
8.	Green Belt should be developed around the backup storage facilities so as to mitigate the air pollution due to fugitive emission. Trucks / Vehicles should be properly covered during the transportation to avoid spillage of the material.	Noted
9.	Project proponent to obtain the NoC from the mangrove cell. Compensatory afforestation of the mangroves 10 times should be carried out with the help of the forest Dept, as committed by the Project proponent.	Noted and compliance assured
10.	Project proponent to obtain the Forest clearance under Forest (Conservation) Act, 1980 for diversion of the forest land.	ACL has obtained Stage-I (In-Principle approval) Forest Clearance vide F. No. FC-I/MH-243/2021-NGP / 8830 dated 29.10.2021.
11.	Project proponent to obtain the prior High Court permission since, the project involve cutting of the mangroves.	Noted Final hearing awaited in high court
12.	Project proponent to ensure Oil spill contingency plan should be formulated and implemented to handle accidental oil spill.	Noted
13.	Vessel Ships/ barges will not be permitted to discharge wastes, treated or untreated effluents in the creek, Project proponent to have monitoring plan to check creek water quality and accordingly implement appropriate mitigation measures.	Noted
14.	Project proponent to install the Sewage Treatment plant (STP) for the treatment of the domestic waste water treatment at backup infrastructure facility.	Noted
15.	The construction debris and dredged material should not be disposed off in the mangrove area & creek water to avoid any adverse impact on mangroves and marine water quality.	Noted
16.	Debris generated during the project activity should not be dumped in CRZ area. It should be processed scientifically at a designated place.	Noted
17.	Project proponent to ensure that best industrial practices should be followed for fire safety measures and for conservation of coastal environment.	Noted
18.	Project proponent to ensure that movement of the fishermen boats should not be obstructed due to project activities.	Noted



19	All other required permissions from different statutory authorities should be obtained prior to commencement of work.	Noted. Project commencement is envisaged after all required approvals and permissions from concern authorities.
<b>General Conditions</b>		
i.	The MCZMA reserves the right to revoke this recommendation, if the conditions stipulated are not complied with to the satisfaction of the MCZMA or Environment Department.	Noted
ii.	The MCZMA or any other competent authority, concern planning authority may stipulate any additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	Noted
iii.	The clearance accorded to the projects under this notification shall be valid for a period of seven years from the date of issue of such clearance: provided that the construction activities shall commence within a period of five years from the date of the issue of clearance and the construction be completed and the operations be commenced within seven years from the date of issue of such clearance.	Noted
iv.	The recommendation from CRZ point of view is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this recommendation does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Noted

## ATTACHMENT-4

### EC GRANT PUBLISHED IN NEWS PAPERS (ENGLISH)

THE INDIAN EXPRESS, WEDNESDAY, FEBRUARY 21, 2024

3 THE CITY

WWW.INDIANEXPRESS.COM

**ADANI CEMENTATION LIMITED**  
(Raigad, Maharashtra)  
Village: Shahbaj and Shahpur, Taluka: Alibag,  
District: Raigad, Maharashtra

**PUBLIC NOTICE**

It is hereby informed that the Ministry of Environment, Forest and Climate Change (MoEFCC) has granted Environmental and CRZ Clearance to 'Setting up of Berthing Jetty, Conveyor Corridor with Backup Storage Facilities and Approach Road to Cement Grinding Unit & Fly ash/Slag Processing Unit of M/s Adani Cementation Limited (ACL) located along Amba River at village Shahbaj and Shahpur, Taluka Alibag, District Raigad, Maharashtra.

A copy of **Environmental Clearance Identification No. EC23A3501MH5535147N** and **Letter/File No. 10-77/2018-IA.III dated 29/12/2023** is available at website ([www.parivesh.nic.in](http://www.parivesh.nic.in)) of "Ministry of Environment, Forest and Climate Change"

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

### EC GRANT PUBLISHED IN NEWS PAPERS (MARATHI)

www.ecal.com

सकाळ देशविदेश

मुंबई, बुधवार, २१ फेब्रुवारी २०२४ ९

**अदानी सिमेंटेशन लिमिटेड**  
(रायगड, महाराष्ट्र)  
गाव - शाहबाज आणि शाहपूर, तालुका - अलिबाग, जिल्हा - रायगड, महाराष्ट्र

**सार्वजनिक सूचना**

इथे कळविण्यात येत आहे की, पर्यावरण, वन आणि हवामान बदल मंत्रालयाने (एमओईएफसीसी) शाहबाज आणि शाहपूर तालुका अलीबाग, जिल्हा रायगड महाराष्ट्र येथे अंबा नदीच्या काठावर वसलेल्या मेसर्स अदानी सिमेंटेशन लिमिटेड (एसीएल) सिमेंट ग्राइंडिंग युनिट आणि फ्लाय अॅश/स्लॅग प्रक्रिया युनिटकडे नेणारा रस्ता तसेच 'बॅकअप स्टोरेज सुविधेसह बार्थिंग जेट्टी व कन्व्हेयर कॉरिडॉर' उभारण्यासाठी पर्यावरणीय आणि सीआरझेड मान्यता दिली आहे.

पर्यावरणीय मान्यता आयडेंटिफिकेशन क्रमांक EC23A3501MH5535147N आणि पत्र/पत्रइल क्रमांक 10-77/2018-IA.III तारीख 29/12/2023 ची प्रत पर्यावरण, वन आणि हवामान बदल मंत्रालयाच्या संकेतस्थळावर ([www.parivesh.nic.in](http://www.parivesh.nic.in)) उपलब्ध करण्यात आली आहे.

**प्रकल्प व्यवस्थापक**  
**मेसर्स अदानी सिमेंटेशन लिमिटेड ( एसीएल )**  
**रायगड, महाराष्ट्र**

Ref: ACL/SHAHABAJ/RCGP-FPU/03-24/01

30.05.2024

To,  
The District Collector  
Alibag  
Dist. Raigad, Maharashtra

Sub.: Submission of Copy of Environmental Clearance of "Berthing Jetty, Conveyor Corridor with backup facilities and approach road to Cement Grinding Unit & Flay Ash / Slag Processing Unit" of M/s Adani Cementation Limited, along Amba River at Village Shahbaj and Shahpur, Taluka Alibag, District Raigad (Maharashtra).

Ref.:

1. Copy of the Environmental Clearance, File No: 10-77/2018-IA.III, EC Identification No: EC23A3501MH5535147N, dated 29/12/2023 (Enclosure 1) for "Berthing Jetty, Conveyor Corridor with backup facilities and approach road to Cement Grinding Unit & Flay Ash / Slag Processing Unit" of M/s Adani Cementation Limited, granted by the Ministry of Environment, Forest and Climate Change, IA Division.

Dear Madam,

This is as per the subject and reference cited above, Environment Clearance for the above said project is granted by MoEF&CC, Dated 29/12/2023.

You may kindly note that the Standard Conditions No: 11.2, reads that:

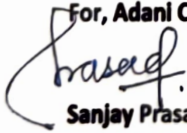
**"The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt."**

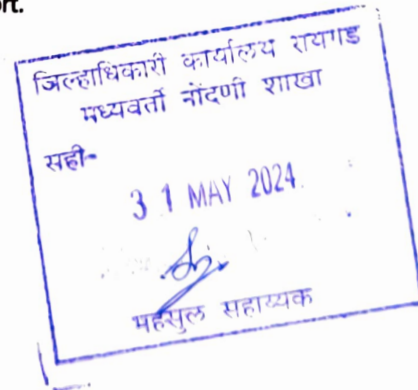
Hence, we are submitting the copy of the Environmental Clearance to your good office for your kind records and display of the same at your office notice board for public view for 30 Days from the date of receipt.

We look forward for your cooperation and support.

Thanking you,  
Yours Faithfully,

For, Adani Cementation Limited

  
Sanjay Prasad  
Authorized Signatory  
Encl: As above



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

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat.

Ref: ACL/SHAHABAJ/RCGP-FPU/03-24/01

30.05.2024

To,  
The Sarpanch  
Group Gram Panchayat  
Shahabaj Village  
Taluka :- Allbag, Dist.:- Raigad  
Maharashtra

Sub.: Submission of Copy of Environmental Clearance of "Berthing Jetty, Conveyor Corridor with backup facilities and approach road to Cement Grinding Unit & Flay Ash / Slag Processing Unit" of M/s Adani Cementation Limited, along Amba River at Village Shahbaj and Shahpur, Taluka Allbag, District Raigad (Maharashtra).

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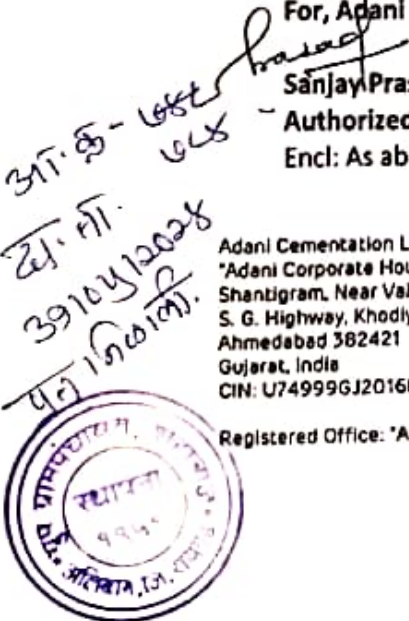
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Adani Cementation Limited  
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Shantigram, Near Vaishno Devi Circle  
S. G. Highway, Khodiyar,  
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Fax +91 79 2555 5500  
info@adani.com  
www.adani.com

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382421, Gujarat.



To,  
The Sarpanch  
Group Gram Panchayat  
Shahpur Village  
Alibag Taluka, Raigad Dist  
Maharashtra

**Sub.:** Submission of Copy of Environmental Clearance of "Berthing Jetty, Conveyor Corridor with backup facilities and approach road to Cement Grinding Unit & Flay Ash / Slag Processing Unit" of M/s Adani Cementation Limited, along Amba River at Village Shahbaj and Shahpur, Taluka Allbag, District Raigad (Maharashtra).

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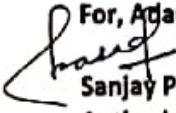
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पुनः कार्यवाही  
mpattij,  
दि. 30/5/2024

