



Ref.: ACL/MCGU/Environment/EC/SEIAA/11-23/09

Date: 25.11.2023

To  
The Secretary  
State Environment Impact Assessment Authority, Gujarat  
Gujarat Pollution Control Board  
Paryavaran Bhavan, Sector-10A, Gandhinagar  
Gujarat - 382010

**Subject:** Six monthly compliance status report of Environment Clearances of stand-alone Cement Grinding Unit of Adani Cement Limited at Village Tunda, Taluka Mundra, District Kutch (Gujarat)

**Ref:** Environmental Clearance letter No. SEIAA/GUJ/EC/3(b)/469/2019 dated 25.03.2019

Dear Sir,

With reference to above subject, please find enclosed herewith six-monthly Environment Clearance (EC) compliance status of Stand-Alone Cement Grinding Unit of Adani Cementation Limited in Village Tunda, Taluka Mundra, District Kutch (Gujarat) for the period of **April' 2023 to September' 2023**.

Financial closure of the project is awaited. Proposed project is yet to be started. This for your kind information and record only.

Thanking You

Yours faithfully  
For Adani Cementation Limited

(Sanjay Prasad)  
Head Environment

Encl.: 1. Compliance status of Environment Clearance  
2. Copy of Environment Clearance

CC to:

**Member Secretary**

Gujarat Pollution Control Board  
Paryavaran Bhavan, Sector-10A, Gandhinagar  
Gujarat - 382010

**The Regional Officer (Kutch – East)**

Gujarat Pollution Control Board  
Room No. 215, 216 & 217, Kandla Port Trust  
Administrative Building, Sector - 08  
Gandhidham, Kutch – 370201 (Gujarat)

**The Regional Office**

Deputy Director General of Forests (C),  
Ministry of Env., Forest and Climate Change,  
Regional Office (WZ), E-5, Kendriya Paryavaran  
Bhawan, E-5 Arera Colony, Link Road-3,  
Ravishankar Nagar, Bhopal - 462016

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Gujarat, India  
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**SIX MONTHLY COMPLIANCE REPORT OF  
ENVIRONMENTAL CLEARANCE  
STAND-ALONE MUNDRA CEMENT GRINDING  
PLANT**

**At  
VILLAGE: TUNDA, TALUKA: MUNDRA,  
DISTRICT KUTCH, GUJARAT**

**Submitted to:  
State Environmental Impact Assessment Authority,  
Gujarat;  
RO - Ministry of Environment, Forests & Climate Change,  
Bhopal;  
Gujarat Pollution Control Board, Gandhinagar (Gujarat);  
RO - Gujarat Pollution Control Board, Kutch (Gujarat)**

**Submitted By:**

**adani**

**Adani Cementation Limited  
Ahmedabad, Gujarat**

**PERIOD: April' 2023 to September' 2023**

## ADANI CEMENTATION LIMITED

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**COMPLIANCE TO THE CONDITIONS STIPULATED IN ENVIRONMENTAL CLEARANCE [Letter No. SEIAA/GUJ/EC/3(b)/469/2019, Dated: 25<sup>th</sup> March, 2019] FOR STAND ALONE CEMENT GRINDING UNIT OF ADANI CEMENTATION LIMITED AT VLLAGE TUNDA, TALUKA MUNDRA, DISTRICT KUTCH (GUJARAT) BY STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY (SEIAA) - GUJARAT**

Sr. No.	EC Condition	Compliance
<b>A.1: Specific Condition :</b>		
1	Any new activity including construction of new conveyor belt shall not be carried out in CRZ area.	Noted ACL assured that, construction of new conveyor belt will not be carried out in CRZ area
2	Project proponent shall procure raw materials like Lime stone for the proposed project from the authorized Mining units/Mines having Environmental Clearance as per the EIA Notification 2006, CTE & CC&A.	<ul style="list-style-type: none"> <li>• Noted and Compliance Assured</li> <li>• Clinker for grinding unit will be procured from 'Lakhpur Cement Works (LCW) of ACL or from any other authorized units having environment clearance.</li> <li>• Project will be executed after Financial Closure.</li> </ul>
3	All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Greencindia Consulting Private Limited, Ghaziabad was submitted by project proponent vide letter no. NIL dated 12/12/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered.	Noted and compliance assured
4	Complete Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall be no drainage connection from the premises.	Noted and compliance assured
5	Unit shall comply provisions of MoEFCC's O.M. No. 22-65/2017-IA. III dated 01/05/2018 regarding Corporate Environment Responsibility (CER) fund allocation for corporate Environment responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein. Item-wise details along with time bound action plan shall be prepared and submitted to the concern authorities.	<ul style="list-style-type: none"> <li>• Noted and Compliance Assured</li> <li>• Budget allocated for Corporate Environmental Responsibility (CER) in EIA report to be used in line with suggested activities.</li> <li>• Detailed year wise</li> </ul>

		<p>action plan for implementation of CER is enclosed as <b>Attachment-1</b></p> <ul style="list-style-type: none"> <li>Monitoring report regarding compliance of CER will be submitted along with six monthly EC compliance report during execution of project.</li> </ul>
6	<p>Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&amp;CC vide no F. No 22-34/2018-IA.III dated 09/08/2018 for Stand-alone Cement grinding units without Captive Power Plant as mentioned at Sr. no. xii.</p>	<ul style="list-style-type: none"> <li>Noted and compliance assured along with execution of construction activities.</li> <li>Compliance to the conditions of applicable standard OM prescribed by MOEFCC is enclosed as <b>Attachment-2</b></li> </ul>
7	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standers prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p>	<ul style="list-style-type: none"> <li>Noted and compliance assured along with execution of construction activities.</li> <li>CEMS will be installed during commissioning phase and connected to server of GPCB and CPCB for real time emission data of operational plant.</li> </ul>
8	<p>The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.</p>	<p>Noted and compliance assured</p>
9	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16<sup>th</sup> November, 2009 shall be complied with.</p>	<p>Noted and compliance assured</p>
10	<p>The project proponent shall prepare a Site-Specific Conservation Plan &amp; Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan &amp; Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-</p>	<p>Site-Specific Wildlife Conservation Plan (WLCP) has been prepared and submitted for approval of Chief Wildlife Warden, Gandhinagar WLCP will be implemented with</p>

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	monthly compliance report. (In case of the presence of schedule-I species in the study area).	execution of project
11	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Noted and compliance assured along with execution of construction activities.
12	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.	<ul style="list-style-type: none"> <li>• Noted and compliance assured along with execution of construction activities.</li> <li>• Action Plan with responsibility matrix for implementation of EMP as per final EIA report has been prepared and will be approved from competent authority before execution of construction activities.</li> </ul>
13	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	<ul style="list-style-type: none"> <li>• Noted and compliance assured along with execution of construction activities.</li> <li>• CEMS will be installed during commissioning phase and connected to server of GPCB and CPCB for real time emission data of operational plant.</li> </ul>
14	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act. 1986.	Noted and compliance assured
15	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Noted and compliance assured along with execution of construction activities.
16	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Noted and compliance assured
17	Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution	Noted and compliance assured

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	(with higher values of PM 10/ PM 2.5) such as haul road loading /unlading and transfer points fugitive dust emission from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	
18	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Noted and compliance assured.
19	All the issues raised in the public hearing shall be comprehensively addressed I complied with in a time bound manner.	Noted and compliance assured. Time bound action plan of the issues raised during Public Hearing is enclosed as <b>Attachment-3</b>
<b>A.2</b>	<b>WATER</b>	
20	Total water requirement for the project shall not exceed 320 KLD. Unit shall reuse 20 KLD of treated sewage for gardening & plantation within premises and hence, fresh water requirement shall not exceed 300 KLD and it shall be met through desalinated water of APSEZ. Necessary permission in this regard shall be obtained from the concern Authority.	Noted and compliance assured. Necessary permission for utilization of desalinated water will be obtained from APSEZ during commissioning of plant.
21	There shall be no industrial waste water generation & no discharge from the proposed activity.	Noted and compliance assured.
22	Domestic wastewater generation shall be 20 KLD and it shall be treated through adequate capacity STP and treated sewage shall be reused for gardening/plantation within premises.	Noted and compliance assured.
23	During monsoon season when treated sewage effluent may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.	Noted and compliance assured. Provision of Rain Water Harvesting Structure (RWHS) is proposed within plant premises.
24	Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.	Noted and proposed
25	The company shall harvest rainwater from the rooftop of the building to recharge the ground water and to use the same water for the various activities of the project to conserve fresh water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.	Noted. Proposed RWHS will be constructed during execution phase.
<b>A.3</b>	<b>AIR</b>	



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26	Unit shall not exceed fuel consumption for HAG set as mentioned below :					Noted and compliance assured.
Sr. No	Source of emission with Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emission i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	HAG (Hot Air Generator)	No Stack	Oil / Diesel	~8000 LPD	To Maintain mill outlet temperature around 90 deg C - 95 deg C to remove the feed moisture. It will be used during mill startup purposed.	
27	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:					Noted and compliance assured.
28	Unit shall provide adequate APCM with process gas generation sources as mentioned below:					Noted and compliance assured.
Sr. no.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control		
1	Cement Mill (Cement)	PM	30	Bag Filter		
2	Clinker Hopper	PM	30	Bag Filter		
3	Coal Crusher	PM	30	Bag Filter		
4	Fly Ash Silo	PM	30	Bag Filter		
5	Clinker Silo	PM	30	Bag Filter		
6	Packing Units	PM	30	Bag Filter		
7	Transfer Points	PM	30	Bag Filler		
29	The above-mentioned measures are indicative and the unit may explore the possibilities of other latest devices also to achieve the better results & better compliance of the air pollution control norm prescribed by the Gujarat Pollution Control Board (GPCB)/				<ul style="list-style-type: none"> <li>• Noted and compliance assured.</li> <li>• ACL will explore the possibility of better result while implementing APCM</li> </ul>	
30	The Reverse Pulse Jet Type Bag Filters shall be provided with proper metallic casing, adequate stack height and stack monitoring requirement facility.				Noted and compliance assured.	
31	The design the air pollution control equipments (APCE) shall be validated by the reputed institutes and APCEs shall be fabricated, erected and commissioned under guidance and supervision of the said institute.				Noted and compliance assured.	
32	The APCM shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlet.				Noted and compliance assured.	
33	Stack/Vents of adequate height shall be provided as				Noted and compliance	



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	per the prevailing norms for flue gas emission/Process gas emission.	assured.
34	Interlocking facility of the pollution control equipment and the equipment(s) to which it is attached should be provided in such a manner that in the event of pollution control equipment(s) not working, the respective unit(s) is shut down automatically	Noted and compliance assured.
35	Regular periodic preventive maintenance of the air pollution control systems shall be carried out during the operation phase.	Noted and compliance assured.
36	The applicant shall carry out yearly performance evaluation of the air pollution control equipments through any reputed institute and furnish the reports in this regard to the Gujarat Pollution Control Board every year.	Noted and compliance assured that the ACL will engage reputed institute for yearly performance evaluation of Air Pollution Control Equipment
37	<p>The fugitive emission in the work zone environment and ambient air quality shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including Director of Industrial Health and Safety as well as Gujarat Pollution Control Board from time to time. Following indicative guidelines shall be followed to reduce the fugitive emission</p> <p>a) Enclosure shall be provided at all loading and unloading operations.</p> <p>b) Water shall be sprayed on all raw materials stock pile periodically to retain some moisture in top layer except wet gypsum to reduce the fugitive emission.</p> <p>c) All transfer points shall be fully enclosed.</p> <p>d) Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.</p> <p>e) Internal roads shall be either asphalted or paved properly to reduce the fugitive emission during vehicular movement.</p> <p>f) The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various material handling areas. (eg. raw material loading, unloading, conveying, transporting, stacking, bagging and packing etc.) Guidelines / Code of Practice issued by the CPCB for prevention and control of the fugitive emission shall be followed.</p>	Noted and compliance assured to install dust collection and extraction system at each dust emitting sources during both construction and operation stage.
38	Regular monitoring of ground level concentration of	Noted and compliance

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	PM10, PM2.5, SO <sub>2</sub> & NO <sub>x</sub> shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	assured make provision for regular monitoring of AAQ in impact zone and results will be reported to GPCB periodically
<b>A.4</b>	<b>SOLID / HAZARDOUS WASTE</b>	
39	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.	Noted and compliance assured
40	The Contaminated cotton rags or other cleaning materials shall be disposed of at nearby TSDF site.	Generated contaminated cotton rags will be disposed through registered CHWIF/TSDF
41	The cement dust collected from the different Air Pollution Control Equipments and other collection systems shall be reutilized in the plant itself.	100% Cement dust will be collected and reused in the process
	<b>A.5 SAFTEY:</b>	
42	Proper ventilation shall be provided in the work area.	Noted and compliance assured
43	Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.	Noted and compliance assured
44	First Aid Box shall be made readily available in adequate quantity in the unit.	Noted and compliance assured
45	Regular periodic work zone ambient air monitoring shall be carried out for measuring concentrations of cement dust, silica dust etc. through qualified industrial hygienist and its records shall be maintained.	Noted and compliance assured
46	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for au the workers shall be undertaken on regular basis as per Factories Act & Rules.	Noted and compliance assured
47	All necessary safety measures shall be taken to avoid any kind of accident.	Noted and compliance assured
48	Training shall be imparted to all the workers on safety and health aspects.	Noted and compliance assured
<b>A.6</b>	<b>NOISE</b>	

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49	The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.	Noted and compliance assured
<b>A.7</b>	<b>CLEANER PRODUCTION AND WASTE MINIMISATION</b>	
50	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	Noted and compliance assured
51	Efforts shall be made to use more fly ash in cement manufacturing without compromising the quality of the cement.	Noted and compliance assured
<b>A.8</b>	<b>GREEN BELT AND OTHER PLANTATION</b>	
52	Green belt shall be developed in an area equal to 33o/o of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Noted Compliance Assured
53	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Noted Compliance Assured
54	The unit shall develop green belt within the factory premises as per the CPCB guidelines, consisting of at least three rows of trees of local species on periphery. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation at suitable open land on road sides and other open areas in nearby locality or schools in consultation with the Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.	Noted Compliance Assured
<b>B.</b>	<b>OTHER CONDITIONS</b>	
55	Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018.	<ul style="list-style-type: none"> <li>• Noted.</li> <li>• Compliance to the applicable standard conditions are enclosed as <b>Attachment-2</b></li> </ul>
56	In case of use of spray dryer, the unit shall provide	Noted and compliance

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	the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.	assured
57	The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-6512017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.	Budget allocated for Corporate Environmental Responsibility (CER) in EIA report to be used in line with suggested activities simultaneously with construction activities. Detailed year wise action plan for implementation of CER is enclosed as <b>Attachment-1</b>
58	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted and compliance assured
59	The project proponent shall obtain raw materials like lime and other minerals from the quarries having valid Consolidated Consent & Authorization of the Gujarat Pollution Control Board.	Noted and compliance assured
60	All the recommendations of the Corporate Responsibility of Environment Protection (CREP) shall be strictly followed.	Noted and compliance assured
61	All the recommendations made in the EIA / EMP report of the project submitted by the project proponent shall be implemented effectively	Noted and compliance assured
62	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIA or any other competent authority for the purpose of the environmental protection and management.	Noted and compliance assured
63	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted
64	The above conditions will 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	Noted

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	(Protection) Act, 1986 and the Hazardous Wastes (Management, and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	
65	The granting of Environment Clearance to the project by the SEIAA does not restrain or dilute any legal action to be initiated against the project proponent by any authority including the GPCB, for commencing the construction work and production without obtaining prior Environment Clearance.	Noted
66	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit	Noted Compliance Assured
67	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	Noted Compliance Assured
68	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Budget estimated for Environmental Pollution Control Measures (EPCM) including CER & CSR in EIA report to be used for implementation of stipulated conditions simultaneously with construction activities
69	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	<ul style="list-style-type: none"> <li>• Complied</li> <li>• Information to the public regarding EC issued by the SEIAA for this project is published on 31<sup>st</sup> March 2019 both in "INDIAN EXPRESS" (English) and "KUTCH MITRA" (Gujarati)</li> <li>• Copy of advertisement is enclosed as <b>Attachment-4</b></li> </ul>
70	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Noted
71	It shall be mandatory for the project management to	Noted and Complied

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	submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.	(This compliance report is for period of April' 2023 to September' 2023 being submitted by ACL for Mundra Cement Grinding Unit)
72	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
73	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted
74	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
75	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	Noted
76	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project	Financial closure and Consent to Establish of project is awaited. It will be informed to RO-GPCB, Kutch (East) and SEIAA once approval is in place.
77	This environmental clearance is valid for seven years from the date of issue.	Noted
78	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
79	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted





STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

S. M. SAIYAD, IFS  
MEMBER SECRETARY  
SEIAA (GUJARAT)

Government of Gujarat

No. SEIAA/GUJ/EC/3(b)/469/2019

Date: 25 MAR 2019

By R P A D

Time Limit

Sub: Environment Clearance to M/s. Adani Cementation Limited for setting up of stand-alone Cement grinding unit at 80/1, 80/2, 82, 83, 84, 85, 86, 87, 88, 180/2/5, 180/2/6, 180/2/9, 180/2/10, 180/2/11, 180/2/12, Village: Tunda, Taluka: Mundra, District: Kutch. In Category 3(b) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND2/18575/2017.

Dear Sir,

This has reference to your application along with Final EIA report dated 21/03/2018 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and additional information / documents submitted vide letter dated 01/01/2019 to the SEAC.

The proposal is for Environmental Clearance to M/s. Adani Cementation Limited for setting up of stand-alone Cement grinding unit at 80/1, 80/2, 82, 83, 84, 85, 86, 87, 88, 180/2/5, 180/2/6, 180/2/9, 180/2/10, 180/2/11, 180/2/12, Village: Tunda, Taluka: Mundra, District: Kutch. It is a proposed unit for manufacturing following products, which falls in the category - 3(b) of the schedule of the EIA Notification-2006:

Sr. no.	Name of the Products	CAS no. /CI no.	Quantity MT/Month	End-use of products
1.	Cement - Pozzolana Portland Cement (PPC) - Portland Slag Cement (PSC) - Ordinary Portland Cement (OPC) and - Composite Cement (CC) (Stand-alone grinding unit)	65997-15-1	6000	Construction & Infrastructure

The project activity is covered in 3(b) and is of 'B' Category. Public hearing was conducted on 02/01/2018.

The SEAC, Gujarat vide their letter dated 18/02/2019 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 07/01/2019. The proposal was considered by SEIAA, Gujarat in its meeting held on 21/02/2019 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following conditions.

**A. CONDITIONS :**

**A.1 SPECIFIC CONDITION :**

- Any new activity including construction of new conveyor belt shall not be carried out in CRZ area.
- Project proponent shall procure raw materials like Lime stone for the proposed project from the authorized Mining units/Mines having Environmental Clearance as per the EIA Notification 2006, CTE & CC&A.
- All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by Greencindia Consulting Private Limited, Ghaziabad was submitted by project proponent vide letter no. NIL dated 12/12/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered.
- Complete Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall be no drainage connection from the premises.
- Unit shall comply provisions of MoEFCC's O.M. No. 22-65/2017-IA.III dated 01/05/2018 regarding Corporate Environment Responsibility (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per the said OM dated 01/05/2018 for various activities therein. Item-wise details along with time bound action plan shall be prepared and submitted to the concern authorities.
- Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018 for Stand-alone Cement grinding units without Captive Power Plant as mentioned at Sr. no. xii.
- The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated





25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

8. The project proponent must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and/or any other statutory authority.
9. The National Ambient Air Quality Emission Standards issued by the Ministry vide G. S. R. No. 826 (E) dated 16th November, 2009 shall be complied with.
10. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (In case of the presence of schedule-I species in the study area).
11. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
12. 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.
13. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
14. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
15. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
16. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
17. Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution (with higher values of PM10/P1425) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
18. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
19. All the issues raised in the public hearing shall be comprehensively addressed / complied with in a time bound manner.

#### **A. 2 WATER :**

20. Total water requirement for the project shall not exceed 320 KLD. Unit shall reuse 20 KLD of treated sewage for gardening & plantation within premises and hence, fresh water requirement shall not exceed 300 KLD and it shall be met through desalinated water of APSEZ. Necessary permission in this regard shall be obtained from the concern Authority.
21. There shall be no industrial waste water generation & no discharge from the proposed activity.
22. Domestic wastewater generation shall be 20 KLD and it shall be treated through adequate capacity STP and treated sewage shall be reused for gardening/plantation within premises.
23. During monsoon season when treated sewage effluent may not be required for the plantation / Gardening / Green belt purpose, it shall be stored within premises. There shall be no discharge of waste water outside the premises in any case.
24. Unit shall provide buffer water storage tank of adequate capacity for storage of treated waste water during rainy days.
25. The company shall harvest rainwater from the rooftop of the building to recharge the ground water and to use the same water for the various activities of the project to conserve fresh water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.

#### **A. 3 AIR:**

26. Unit shall not exceed fuel consumption for HAG set as mentioned below:

Sr. No.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	HAG (Hot Air Generator)	No Stack	Oil/ Diesel	~8000 LPD	To maintain mill outlet temperature around 90 deg C – 95 deg C to remove the feed moisture. It will be used during Mill startup purpose.	

27. Unit shall provide adequate APCM with flue gas generation sources as mentioned above:
28. Unit shall provide adequate APCM with process gas generation sources as mentioned below:



Sr. no.	Specific Source of emission (Name of the Product & Process)	Type of emission	Stack/Vent Height (meter)	Air Pollution Control Measures (APCM)
1	Cement Mill (Cement)	PM	30	Bag Filter
2	Clinker Hopper	PM	30	Bag Filter
3	Coal Crusher	PM	30	Bag Filter
4	Fly Ash Silo	PM	30	Bag Filter
5	Clinker Silo	PM	30	Bag Filter
6	Packing Units	PM	30	Bag Filter
7	Transfer Points	PM	30	Bag Filter

29. The above-mentioned measures are indicative and the unit may explore the possibilities of other latest devices also to achieve the better results & better compliance of the air pollution control norms prescribed by the Gujarat Pollution Control Board (GPCB).
30. The Reverse Pulse Jet Type Bag Filters shall be provided with proper metallic casing, adequate stack height and stack monitoring requirement facility.
31. The design the air pollution control equipments (APCE) shall be validated by the reputed institutes and APCEs shall be fabricated, erected and commissioned under guidance and supervision of the said institute.
32. The APCM shall be operated efficiently and effectively to achieve the norms prescribed by the GPCB at stack outlet.
33. Stack/Vents of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
34. Interlocking facility of the pollution control equipment and the equipment(s) to which it is attached should be provided in such a manner that in the event of pollution control equipment(s) not working, the respective unit(s) is shut down automatically.
35. Regular periodic preventive maintenance of the air pollution control systems shall be carried out during the operation phase.
36. The applicant shall carry out yearly performance evaluation of the air pollution control equipments through any reputed institute and furnish the reports in this regard to the Gujarat Pollution Control Board every year.
37. The fugitive emission in the work zone environment and ambient air quality shall be monitored. The emission shall confirm to the standards prescribed by the concerned authorities including Director of Industrial Health and Safety as well as Gujarat Pollution Control Board from time to time. Following indicative guidelines shall be followed to reduce the fugitive emission.
- Enclosure shall be provided at all loading and unloading operations.
  - Water shall be sprayed on all raw materials stock pile periodically to retain some moisture in top layer except wet gypsum to reduce the fugitive emission.
  - All transfer points shall be fully enclosed.
  - Accumulated dust on the ground and other surfaces shall be removed / swept regularly and water the area after sweeping.
  - Internal roads shall be either asphalted or paved properly to reduce the fugitive emission during vehicular movement.
  - The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various material handling areas. (eg. raw material loading, unloading, conveying, transporting, stacking, bagging and packing etc.) Guidelines / Code of Practice issued by the CPCB for prevention and control of the fugitive emission shall be followed.
38. Regular monitoring of ground level concentration of PM10, PM2.5, SO2 & NOx shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

#### **A. 4 SOLID / HAZARDOUS WASTE:**

39. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization from the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes.
40. The Contaminated cotton rags or other cleaning materials shall be disposed of at nearby TSDF site.
41. The cement dust collected from the different Air Pollution Control Equipments and other collection systems shall be reutilized in the plant itself.

#### **A. 5 SAFETY:**

42. Proper ventilation shall be provided in the work area.
43. Personal Protective Equipments shall be provided to workers and its usage shall be ensured and supervised.
44. First Aid Box shall be made readily available in adequate quantity in the unit.



45. Regular periodic work zone ambient air monitoring shall be carried out for measuring concentrations of cement dust, silica dust etc. through qualified industrial hygienist and its records shall be maintained.
46. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.
47. All necessary safety measures shall be taken to avoid any kind of accident.
48. Training shall be imparted to all the workers on safety and health aspects.

**A. 6 NOISE:**

49. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

**A. 7 CLEANER PRODUCTION AND WASTE MINIMISATION:**

50. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
51. Efforts shall be made to use more fly ash in cement manufacturing without compromising the quality of the cement.

**A. 8 GREEN BELT AND OTHER PLANTATION:**

52. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
53. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
54. The unit shall develop green belt within the factory premises as per the CPCB guidelines, consisting of at least three rows of trees of local species on periphery. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation at suitable open land on road sides and other open areas in nearby locality or schools in consultation with the Gram Panchayat / GPCB and submit an action plan of plantation for next three years to the GPCB.

**B. OTHER CONDITIONS:**


55. Unit shall comply all the applicable standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA.III dated 09/08/2018.
56. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.
57. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.
58. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
59. The project proponent shall obtain raw materials like lime and other minerals from the quarries having valid Consolidated Consent & Authorization of the Gujarat Pollution Control Board.
60. All the recommendations of the Corporate Responsibility of Environment Protection (CREP) shall be strictly followed.
61. All the recommendations made in the EIA / EMP report of the project submitted by the project proponent shall be implemented effectively.
62. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
63. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
64. The above conditions will 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 and the Hazardous Wastes (Management, and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
65. The granting of Environment Clearance to the project by the SEIAA does not restrain or dilute any legal action to be initiated against the project proponent by any authority including the GPCB, for commencing the construction work and production without obtaining prior Environment Clearance.
66. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
67. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation



measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.

68. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
69. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
70. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
71. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
72. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
73. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
74. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
75. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
76. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
77. This environmental clearance is valid for seven years from the date of issue.
78. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
79. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

With regards,  
Yours sincerely,

  
(S. M. SAIYAD)  
Member Secretary

Issued to:

M/s. Adani Cementation Limited  
Adani House 56, Shrimali Society,  
Navrangpura, Ahmedabad- 380009



**ATTACHMENT- 1****BUDGET ALLOCATION FOR CORPORATE ENVIRONMENT RESPONSIBILITY (IN CRORES)**

<b>CER Activities</b>	<b>1<sup>st</sup> Year</b>	<b>2<sup>nd</sup> Year</b>	<b>3<sup>rd</sup> Year</b>	<b>4<sup>th</sup> Year</b>	<b>5<sup>th</sup> Year</b>	<b>Total</b>
Infrastructure development for Water: - Water conservation campaign through workshop program - Rain water harvesting either by percolation wells or tanks	0.54	0.54	0.54	0.54	0.54	2.70
Contribution to various Govt. Schemes: - Solar lighting in near-by locality - Taking up the cleanliness drive for near-by areas	0.34	0.34	0.34	0.34	0.34	1.70
Plantation in Communities Areas	0.26	0.26	0.26	0.26	0.26	1.30
Scientific Support and Awareness to local Farmers: - Awareness in near-by villages farmers to increase yield of crop	0.10	0.10	0.10	0.10	0.10	0.50
<b>Total</b>	<b>1.24</b>	<b>1.24</b>	<b>1.24</b>	<b>1.24</b>	<b>1.24</b>	<b>6.20</b>

**Note:**

- CER Budget is allocated as per the OM Dated 01.05.2018 of MoEFCC, Considering total project cost is 410 Crores.
- As per para 6 (ii) of OM, 1.5% of total Capital Investment i.e. from >Rs.100 Crore to ≤Rs.500 Crore, under Green Filed Project Category fund allocated Rs.6.20 Crore for CER.

### Details of Budget Estimation for CER Activities:

Activities	Facilities	Remarks
Water conservation campaign through workshop program	<ul style="list-style-type: none"> <li>Workshops for conserving water resource 2 in each villages per year</li> <li>Considering per year 4 villages will be covered</li> </ul>	<ul style="list-style-type: none"> <li>No. of Workshop : 8 per year</li> <li>Total no. of workshop in first 5years within 20 villages covering 10km area from project boundary : 40</li> <li>Budget per workshop : Rs 1.75 Lakh</li> <li><b>Total Budget : Rs 0.70 Cr.</b></li> </ul>
Rain water harvesting either by percolation wells or tanks	<ul style="list-style-type: none"> <li>Installation of rain water injection wells (RWIW) 2 in each villages</li> <li>Formation of percolation tanks (PT) 2 in each villages</li> <li>Considering per year 4 villages will be covered</li> </ul>	<ul style="list-style-type: none"> <li>No. of RWIW &amp; PT : 8 per year</li> <li>Total no. of RWIW and PT in first 5years within 20 villages covering 10km area from project boundary: 40</li> <li>Budget per RWIW&amp;PT: Rs 5.00 Lakh</li> <li><b>Total Budget : Rs 2.00 Cr.</b></li> </ul>
Solar lighting in near-by locality	<ul style="list-style-type: none"> <li>Installation of Solar panel poles for street lighting 10 in each villages per year</li> <li>Considering per year 4 villages will be covered</li> </ul>	<ul style="list-style-type: none"> <li>No. of Solar Panel : 40 per year</li> <li>Total no. of Solar panel in first 5years within 20 villages covering 10km area from project boundary: 200</li> <li>Budget per Unit : Rs0.60 Lakh</li> <li><b>Total Budget : Rs 1.2 Cr.</b></li> </ul>
Taking up the cleanliness drive for near-by areas	<ul style="list-style-type: none"> <li>Installation of Separate Dustbin for dry and wet waste</li> <li>Installation of Dustbin 6 in each villages</li> <li>Installation of Composting pots 1 in each villages</li> <li>Considering per year 4 villages will be covered</li> </ul>	<ul style="list-style-type: none"> <li>No. of Dustbin : 24 per year</li> <li>Total no. of Dustbin in first 5years within 20 villages covering 10km area from project boundary: 120</li> <li>Cost per Dustbin : Rs 0.085 Lakh</li> <li>Total Budget for Dustbin : Rs. 10.2 lakh</li> <li>No. of Composting pots: 4 per year</li> <li>Total no. of Composting Pots in first 5years within 20 villages covering 10km area from project boundary: 20</li> <li>Cost per Composting Pot : Rs1.99 Lakh</li> <li>Total Budget for Composting pots : Rs. 39.8 lakh</li> <li><b>Total Budget : Rs 0.50 Cr.</b></li> </ul>
Plantation in Communities Areas	<ul style="list-style-type: none"> <li>Plantation of native species in study area @ 500 per hectare</li> </ul>	<ul style="list-style-type: none"> <li>No. of trees : 6500</li> <li>Budget for plantation and maintenance per tree during 1<sup>st</sup> five years : Rs 2000</li> <li><b>Total Budget : Rs 1.3 Cr.</b></li> </ul>
Awareness in near-by villages farmers to increase yield of	<ul style="list-style-type: none"> <li>Workshops for awareness regarding new technologies and practices used in farming</li> </ul>	<ul style="list-style-type: none"> <li>No. of Workshop : 4 per year</li> <li>Total no. of workshop in first 5years</li> </ul>

crop	and Providing high yielding seeds <ul style="list-style-type: none"> <li>• 1 Workshops in each villages per year</li> <li>• Considering per year 4 villages will be covered</li> <li>• Considering @ One Quintal Seeds per Ha.</li> <li>• Hiring of Third Party auditing Agency for Evaluation and Verification of CER activities.</li> </ul>	within 20 villages covering 10km area from project boundary: 20 <ul style="list-style-type: none"> <li>• Cost per workshop : Rs 1.75 Lakh</li> <li>• Estimated Budget for Workshop: Rs. 35.0 Lakh</li> <li>• Total Quantity of seeds: 260 Quintal</li> <li>• Cost of per Quintal seed: Rs 5000</li> <li>• Estimated Budget for Seeds: Rs. 13.0 Lakh</li> <li>• Estimated Budget for Third Party Auditing Agency: Rs 2.0 Lakh</li> <li>• <b>Total Budget : Rs 0.50 Cr.</b></li> </ul>
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#### Mechanism for Implementation of CER Activities:

A Committee shall be formed under the chairmanship Representative of District Collector involving village representative, Representative of District Pollution Control Board and ACL Plant representative.

S. No.	Members
1	Representative of District Collector
2	Representative of ACL Plant
3	Concerned Village Sarpanch
4	Representative of District Pollution Control Board (GPCB)

#### Functions and Responsibilities of Committee:

- i. The committee shall monitor the overall implementation of the CER activities and the disbursement of the funds.
- ii. Committee shall examine the annual targets, activities of proposed CER allocated.
- iii. Committee would review the progress of the targets and activities of proposed CER allocated.
- iv. The committee would prepare the half yearly report for the compliance providing evaluation and documentation of progress made, targets achieved and performance of the activities carried out.
- v. The committee shall ensure that the funds are used only for the prescribed for CER activities.
- vi. ACL shall release funds annually as per the allocated budget for various CER activities.
- vii. A third party annual audit of the CER activities shall be carried out.



**Mundra Cement Grinding Unit**

**Compliance to the Standard conditions prescribed in Office Memorandum (OM) published by MoEF&CC vide no. F. No. 22-34/2018-IA .III dated 09/08/2018 for Stand-alone Cement grinding units without Captive Power Plant as mentioned at Sr. no. xii**

ANNEXURE- XII

<b>Standard EC Conditions for Cement Grinding Units without Captive Power Plants:</b>		
<b>I.</b>	<b>Statutory compliance</b>	
i.	The project proponent shall obtain forest clearance under provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest propose involved in the project.	Not Applicable No forest land involved in project area
ii.	The project proponent shall obtain clearance from the National Board for Wildlife. If applicable.	Not Applicable (There is no Wildlife Sanctuary, National Park in proposed project area.)
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented tin consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study urea).	Not Applicable
iv.	The project proponent shall obtain Consent to Establish Operator under the provisions of Air (Prevention Control of Pollution) Act, 1981 and the Water (Perversion & Control of Pollution) Act 1974 from the concerned Suite pollution Control Board Committee.	Application for CTE is pending and to be applied
v.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act 1974 from the concerned Suite pollution Control Board Committee.	Application for CTE is pending and to be applied.
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Noted and Compliance assured
<b>II.</b>	<b>Air quality monitoring and preservation</b>	

i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 <sup>th</sup> August 2014 (Cement) and subsequent amendment dated 9 <sup>th</sup> May, 2016 (Cement) and concerned to SPCB and CPCB online severs and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Noted and Compliance assured
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Noted and Compliance assured
iii.	The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least four locations (One within and three outside the plant area at an angle of 120° each), covering upwind and downwind direction (case to case basis small plant Manual, Large plants Continuous)	Noted and Compliance assured.
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stock monitoring and manual monitoring of air quality fugitive emissions to Regional office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Noted and Compliance assured. Monthly Summary report of emission and AAQ data to GPCB and MoEFCC will be monitored and submitted during commissioning of project.
v.	Appropriate Air Pollution Control (APC) system shall be provided or all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Noted and Compliance assured
vi.	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	Noted and Compliance assured
vii.	Pollution control system in the cement plant shall be provided as per the CREP guidelines of CPCB.	Noted and Compliance assured
viii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads shop floors, roof regularly.	Noted and Compliance assured
ix.	Ensure covered transportation and conveying of raw material to prevent species and dust generation; Use closed bulkers for carrying fly ash.	Noted and Compliance assured

x.	Provide wind shelter fence and chemical spraying on the raw material stock piles, and	Noted and Compliance assured
xi.	Have separate truck parking area and monitor vehicular emissions at regular interval.	Noted and Compliance assured
xii.	Efforts shall be made to reduce impact of the transport of the raw materials and end Products on the surrounding environment including agricultural land by the use of covered conveyor belts/ railways as a mode of transport.	Noted and Compliance assured
xiii.	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses cement bagging plants.	Noted and Compliance assured
<b>III.</b>	<b>Water quality monitoring and preservation</b>	
i.	The project proponent shall install effluent monitoring system with respect to Standards prescribed in Environment (Protection) Rules 1986 vide G.S.R No. 612 (E) dated 25 August, 2014 (Cement) and subsequent amendment dated 9 <sup>th</sup> May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through lab recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories (case to case basis small plants; Manual: Large plants: Continuous).	<ul style="list-style-type: none"> <li>• Noted and compliance assured along with execution of construction activities.</li> <li>• CEMS will be installed during commissioning phase and connected to server of GPCB and CPCB for real time emission data of operational plant</li> </ul>
ii.	The project proponent shall monitor regularly ground water quality at least twice a layer (pre and post monsoon) at sufficient numbers of piezometer sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Noted and Compliance assured
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and result of manual effluent testing and natural monitoring of ground Water quality to Regional office of MoEF&CC, Zonal office of SPCB along with six monthly report.	Noted and Compliance assured
iv.	Adhere to 'Zero Liquid Discharge'.	Noted and Compliance assured
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Noted and Compliance assured
vi.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface runoff.	Noted and Compliance assured
vii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	Noted and Compliance assured

viii.	Water meters shall be provided at the inlet to all unit processes in the cement plant	Noted and Compliance assured
ix.	The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Noted and Compliance assured
<b>IV.</b>	<b>Noise monitoring and prevention</b>	
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the ministry as a part of six-Monthly compliance report.	Noted and Compliance assured
ii.	The ambient noise levels should confirm 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>V.</b>	<b>Energy Conservation measures</b>	
i.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights parking around project area and maintain the same regularly.	Provision for harnessing of Solar energy is envisaged and to be executed during construction and operation stage.
ii.	Provide the projects proponent for LED lights in their offices and residential areas.	Provision for LED Lights in offices and Common areas is envisaged and to be executed during construction and operation stage.
iii.	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS Standard.	Noted and Compliance assured
<b>VI.</b>	<b>Waste management</b>	
i.	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016	Noted and Compliance assured
ii.	Kitchen waste shall be composed or converted to biogas for further use (to be decided on case basis depending on type and size of plant).	Noted and
<b>VII.</b>	<b>Green Belt</b>	
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Noted and Compliance assured
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Noted and Compliance assured
<b>VIII.</b>	<b>Public hearing and Human health issues</b>	
i.	Emergency preparedness plan based on the Hazard	Noted and

	identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Compliance assured
ii.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Noted and Compliance assured
iii.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Not Applicable. No housing facility is proposed for construction labour within the proposed project area. However mobile toilets, drinking water facilities will be provided. Medical health care and crèche facilities are already running by Adani Foundation in nearby village.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Noted and Compliance assured
<b>IX.</b>	<b>Corporate Environment Responsibility</b>	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1 May 2018, as applicable. Regarding Corporate Environment Responsibility.	Noted and Compliance assured. Detailed CER budget estimation is enclosed as <b>Attachment- 1</b>
ii.	The company shall have 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/ deviating/ 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 part of six-monthly report.	Noted and Compliance assured
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Separate Environment cell will be established at the time of execution of project.
iv.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company	Noted and Compliance assured

	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 or any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/ Regional Office along with the Six Monthly Compliance Report.	
v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted and Compliance assured
vi.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.	CREP will be implemented at the time of execution of project.
<b>X.</b>	<b>Miscellaneous</b>	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by Prominently advertising it at last 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.	<ul style="list-style-type: none"> <li>• Complied</li> <li>• Information to the public regarding EC issued by the SEIAA for this project is published on 31<sup>st</sup> March 2019 both in "INDIAN EXPRESS" (English) and "KUTCH MITRA" (Gujarati)</li> <li>• Copy of advertisement is enclosed as <b>Attachment-4</b></li> </ul>
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Noted and Compliance assured
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Noted and Complied (This compliance report is for period of April' 2023 to September' 2023 being submitted by ACL for Mundra Cement Grinding Unit)
iv.	The project proponent shall monitor the Criteria pollutants level namely: PM10, SOx, NOx (ambient levels as well as stack emission) or critical sectorial parameter indicated for the project and display the same at a convenient location for	Noted and Compliance assured

	disclosure to the public and put on the website of the company.	
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted and Complied (This compliance report is for period of April' 2023 to September' 2023 being submitted by ACL for Mundra Cement Grinding Unit)
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Noted and Compliance assured
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities. Commencing the land development work and start of production operation by the project.	Financial closure and Consent to Establish of project is awaited. It will be informed to RO-GPCB, Kutch (East) and SEIAA once approval is in place.
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and Compliance assured
ix.	The project proponent shall abide by all the commitments and recommendation made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Export Appraisal Committee.	Noted and Compliance assured
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MokF&CC).	Noted and Compliance assured
xi.	Concealing factual data or submission of false/fabricated data may result revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition not satisfactory.	Noted
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions the project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/ information/	Noted



	monitoring reports.	
xv.	The above conditions shall be enforced, inter-alia under the provision 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 Trans boundary 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
xvi.	Any appeal against this EC shall lie with the Notional Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

**POINTWISE RESPONSE TO THE ISSUES RAISED DURING PUBLIC HEARING**

The Public consultation for the proposed Mundra Cement Grinding Plant (MCGP) of 2.0 MMTPA Capacity, was conducted on 02/01/2018 at 11:00 Hrs by Gujarat State Pollution Control Board at Community Premises Centre (Samajvadi), Opposite Tunda Primary School, Village: Tunda, Taluka Mundra, District Kutch (Gujarat).

Public hearing was chaired by **Smt. Remya Mohan**, District Magistrate & District Collector and Chairman of the Public Hearing Committee, district Kutch and assisted by Mr. **R.P. Gupta**, Regional Officer, GPCB, Kutch & representative of Gujarat Pollution Control Board (GPCB).

Total **108** persons signed on the attendance sheet; out of which **49** persons raised verbal issues while **28** nos. written issues/suggestions/objections/opinion has been raised before as well as during public hearing.

<b>ISSUES RAISED BY PUBLIC</b>	<b>RESPONSE BY PROJECT PROPONENT WITH ACTION PLAN</b>
<p><b>Shri Dilip L. Gour; Vill : Tunda, Ta : Mundra, Dist : Kutch.</b></p> <p>He asked whether the Public Hearing is of GPCB or Adani company? And from where the permission for the same is taken?</p> <p>Whether the permission for this Public Hearing is taken from the Gram Panchayat?</p> <p>In my village yet the charge has not been given to new Sarpanch and whether the permission is taken from Sarpanch or Talati?</p> <p>Advertisement for this Public Hearing has been published in newspaper one month earlier. Yet charge has not been given to those Sarpanches who are informed about this Public Hearing and Ex-Sarpanch are not informed.</p> <p>Facility of cordless mike to be provided to the people present in Public Hearing so that people can represent here.</p>	<p>Regional Officer informed that, the Public Hearing is for public and there is no requirement to take permission for the same.</p> <p>Regional Officer informed that, it has been intimated to the villages falling within the study area. Sarpanch and Talati of affected villages were informed for the same.</p> <p>Advertisement for Public Hearing has been given in two newspapers, 'Kutch Mitra' and Times of India.</p> <p>Regional Officer informed that, Public Hearing is organized for having proper discussion and not to create disorder. Adverse effect to be created due to the proposed project can be represented.</p> <p>Regional officer informed to make available facility of codeless mike for people. He further informed to make representation to project and its effect only.</p>
<p><b>Shri ; Vill : , Ta : , Dist : Kutch.</b></p>	

<p>He represented that, mike facility should be provided so that lower level people can also represent here without the fear of officers of the company.</p> <p>Collector and Regional officer give their identity and inform that who is chairman of this Public Hearing?</p>	<p>Regional officer stated to company provide codeless mike facility for the people present in Public Hearing.</p> <p>Chairman stated that, one by one representation to be done so that it can be noted in minutes and forwarded to central government/ authority.</p> <p>Regional officer informed that, Smt. Remya Mohan (Collector) is the chairman and R.P. Gupta, as the Regional Officer- Kutch (GPCB) is conducting this Public Hearing.</p>
<p><b>Shri Dahyabhai Virambhai Gadhi; Vill.: Tunda, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He asked that, why screen is off? It must be continuously on. EIA report is not provided to every person. Whatever reply will be given by the company must be in Gujarati language and state to whom written representation to be submitted?</p> <p>Provide information for the 6 representation received in written.</p> <p>EIA report of the proposed plant of the company is prepared by Greencindia Consulting Pvt. Ltd., Ghaziabad. Then whether there was no such consultant in Gujarat who can prepare this EIA report?</p>	<p>Regional officer informed that, written representation can be submitted to him and his office staff present in this public hearing. The reply will be given by project proponent preferably in Gujarati language.</p> <p>Those written representations will be included in the Public Hearing proceedings and reply of the same will be given by the company in writing.</p> <p>Company's representative Shri Shalin Shah replied that, EIA report can be prepared by the organization who are certified by NABET according to the rules and regulations prescribed by Government of India. The EIA report of this company is prepared by the consultant accredited by the NABET and they have the certificate of the same. There may be such consultant in Gujarat also but the job work is awarded based on evaluation of their technical expertise and previous experience.</p>
<p><b>Shri Lakhubhai Rabari; Vill.: Vandh, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, it is mentioned in EIA report that there is nothing in the nearby villages. In 1992 there was bhunga (traditional house of Kutch region in Gujarat) in the village but no cemented house. Shooting of Refuge movie was done in the village.</p>	<p>----</p>

<p>Many devotees were coming to the temple of this village. But the intention of this company is to destroy the village. At 8 km. from village, coal handling centre of Adani and Tata company are located, at 4.5 km. there is coal plant of Adani.</p> <p>There is Tata coal plant and solar plant situated at 100 meter opposite to village but we didn't oppose it. We don't need this plant at present or in future. Government has to decide any one out of village and company.</p> <p>We heavily oppose this plant. I had written letter to GPCB many times for the checking of village but only one time U.K. Madhad came to check. When they come to check they first go to company, take a lunch there and then after discontinuing the operation of the plant they come for checking in the village. I have made application for the same to the Collector and Chief Minister at Gandhinagar. It is request to chairman to visit my house and village, so that you can get aware of the condition of the same. We will die but will not allow this plant. Whether the public hearing to continued or not is on your will.</p>	
<p><b>Shri Mukesh Maheshwari; Vill.: Tunda, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, he has sent application to Collector on dated 13/12/2017 and reply of the same was given by him on 16/12/2017. That application was transferred by Collector to Regional Officer but till now the reply of the same is not given.</p> <p>He asked to Regional Officer whether you have read out my application? Reply of the application should be given in writing with seal and signature.</p> <p>There are three power plants Adani Power, Tata Power and Solar power plant. We have opposed all those plants in past and are opposing them in present too. Company should give us in writing that they will give priority to our village in employment and health matter.</p> <p>What steps will be taken by Company for village employment.</p>	<p>Regional Officer informed that the written representation is related to today's Public Hearing, so it will be included in this Public Hearing proceeding. Regional Officer informed that, you will get the reply of your application today in writing with seal and signature.</p> <p>Company's representative welcomed the suggestion. Adani Company has constructed primary health center at Tunda and Vandh village. We assure that company will be in action for any problems related to health arise by this plant and company will provide medical facility to the village whenever required.</p> <p>Company's representative replied that, employment opportunities will arise from this project and around 500 persons will get employment during construction phase and after the operation of the plant 565 persons will be employed in two parts in which priority will be given to</p>

<p>It must be given in writing by the company that people of Tunda village will be given priority in employment.</p>	<p>people of Tunda village.</p> <p>----</p>
<p><b>Shri Bhagirat;Singh Jadeja. Vill.: Tunda,Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, Adani Power, Tata Power and Solar power has been operating here since 2007-08. How many people of the village are employed by them? Company has employed only 1 villager on pay-roll till date and rest are on contract with around Rs 15 to 16 thousand salary.</p>	<p>Company's representative replied that, company has provided 80 direct and indirect employments to the people of Tunda village.</p> <p>Company's representative replied that, one person of the village is on pay-roll and rest 79 persons are on contract.</p>
<p><b>Shri ; Vill.: Siracha, Ta.: Mundra, Dist.: Kutch</b></p> <p>He represented that, company has not provided employment to the people from Siracha village. P.F. of the lower level employee is not deducted and there is no safety. In this proposed project there will be employment for officer level. What provisions will be there for lower level employees who are having salary of around Rs 6000?</p>	<p>---</p>
<p><b>Shri Pravin Singh Chauhan; Vill.: Siracha, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, he has filled application against this company in High Court in which High Court ordered that, company should provide employment to those who are 10<sup>th</sup> pass, by providing them ITI training. When we approached company with the order they didn't made provision for the same. Provide the detail of ITI training provided to people of Siracha village and number of person employed?</p>	<p>Company's representative replied that, 80 persons of Tunda village, 58 persons of Vandh village and 109 persons of Siracha village are employed on contract.</p>
<p><b>Shri Bhagirath Singh Jadeja; Vill.: Tunda, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, company has promised to appoint the contractual employee to pay-roll within 6 months but they have not done the same since 7 years.</p> <p>In 2007-08 during the acquisition of the land Rupees one lakh per acre was decided as a compensation which has been not given to some persons till date. One-acre land of Ram temple was acquired by the company and the compensation of the same is still not given by the company. Land is under company's possession since 8 years and we are not allowed to farm or enter in that land.</p>	<p>Company's representative replied that,in 2009 land was acquired and compensation was decided. But possession of the same was taken by company on 28/03/2016. Company has deposited the amount of compensation with the government out of which some people have withdrawn his compensation and remaining person's compensation are still with the</p>

	<p>government which can be withdrawn by respected persons.</p> <p>Regional officer informed that, mike should be given to those persons who have question.</p>
<p><b>Shri Umar Sulemaan Ismaiel; Vill.: Tunda, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, road for the fisherman has been closed by the company which must be re-opened and company provides financial support to fishermen which have been not provided to me.</p>	<p>Company's representative replied that, new road has been constructed between Tunda and Vandh village, which is used by all fishermen. If you were doing fishery, then company will provide financial support to you too.</p>
<p><b>Shri Anirudh Singh Jadeja, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, 15 persons were employed in the company on the condition that they will be on permanent basis after 6 months but since 7 years they are not enrolled on permanent basis.</p>	<p>Company's representative replied that, we had no such conversation.</p>
<p><b>Shri Gulabsingh Jadeja, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He asked about the compensation of temple land bearing survey number 36/1 and 36/2.</p>	<p>Company's representative replied that, if the land bearing this survey number has been acquired by them, they will provide compensation for the same and also provide financial support for development of temple area.</p>
<p><b>Shri Dahyabhai Virambhai Gadhavi, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, it is mentioned in point number E1 of the EIA report there is no sanctuary in the nearby areas of the plant. Within 5 to 6 km. there is Siracha reserve forest which is not mentioned in EIA report.</p> <p>From where will the company fulfill its requirement of water and if the company saying that it will provide employment then why it is not given in the existing plant.</p> <p>All the rivers mentioned are seasonal rivers which are diverted. Data of high tide level mentioned in 1991 for Mundra port and data of the same of 2008 and 2010 were different which is wrong.</p> <p>If the public hearing of Company was scheduled for today's, then why get together was scheduled before two days? Video CD of the earlier public hearing was demanded by me which was not provided.</p>	<p>Company's representative replied that, no eco-sensitive areas are there within 15 km. radius and the details related to distance of other reserve forest areas are mentioned in the slide. The point was related to sanctuary.</p> <p>Company's representative replied that, 300 KLD water will be required and it will be fulfilled from the desalination plant in operation by APSEZ. No other source of water will be utilized.</p> <p>Regional Officer informed that, video CD of today's public hearing will be provided to you.</p> <p>Regional officer informed that, this is environmental public hearing. It is request to maintain order and after getting the reply of one question other</p>

	question to be asked.
<p><b>Shri Rajdeepsinh, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, company has invited us in get together before two days but when we ask them to enter into company we were not allowed to enter.</p> <p>Company should give undertaking in writing that, it will provide permanent employment to one person of each family of 250 houses of the village.</p>	----
<p><b>Shri Lakhubhi Rabari, Vill. Vandh, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He asked that, recently I approached Kandla port they said that your area is under Bhuj and when I approached Bhuj they said to approach Gandhidham. We are misrepresented by giving such reply.</p>	Regional officer replied that, there are 10 talukas under Kutch out of which 5 are in east and 5 are in west. This Public Hearing is under Kutch east.
<p><b>Shri Kirtibhai Rajgor; Vill.: Mota Kandagar, Ta. : Mundra,Dist. : Kutch</b></p> <p>He represented that, our representations are our feelings and issues which are obstacles for village should be considered by the company and it is the responsibility of the Government look after that it doesn't affect the human life and there would be no loss to the same.</p> <p>At one side there is a village on other side there is a plant and in between there is a river. So the place of the plant should be changed.</p>	---
<p><b>Shri Dahyabhai Virambhai Gadhavi; Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, the level of damage in this place by this plant and damage at other place by this plant will be same. So we don't need this plant and we oppose the same.</p>	---
<p><b>Shri Ashish Rabari; Vill.: Bhopavandh, Ta.: Mundra, Dist. : Kutch</b></p> <p>He represented that, the place where company is to be established is of company's itself. Whether the data sent by the company to GPCB for establishment of plant was checked by the GPCB or not? It seems that administration is sleeping.</p> <p>Whether it was verified by GPCB that executive summary sent to it was correct or incorrect?</p> <p>Wrong information has been mentioned in EIA report because there is sanctuary within 10 km. radius, human beings, birds and animals are there which is not mentioned in EIA report. There are animals in Siracha Sanctuary, then why it is not considered in</p>	<p>Regional officer informed that, this executive summary is prepared by project proponent.</p> <p>Regional officer replied that, this work is of company's experts who have prepared this executive summary on basis of which this Public Hearing is scheduled.</p> <p>Company's representative replied that, no eco-sensitive area which has been notified by Government of India is within 10 km. radius from the plant. Siracha is a Reserved Forest Company's</p>



eco-sensitive zone.	representative replied that, in EIA report Bio-diversity, flora and fauna has been mentioned.
<p><b>Shri Dahyabhai Virambhai Gadhavi; Vill.: Tunda, Ta. : Mundra,Dist. : Kutch</b></p> <p>He asked that, in EIA report radius area is mentioned 10 km. while you are saying it as 15 km., then which must be considered correct?</p>	Company's representative replied that, environment study is carried out within 10 km. area and for eco-sensitive area and sanctuary 15 km. radius of area is considered.
<p><b>Shri Ashish Rabari, Vill.: Bhopavandh, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, our village is at 200 m from the proposed plant. Health is more important than employment. In EIA report it is mentioned that there will be no pollution at the plant side due to the plant. The current level of pollution is high so risk of public health can't be taken. We are based on animal husbandry so we don't need this plant.</p>	Company's representative replied that, your suggestions are welcomed. It is wrong belief about cement plant that it will cause pollution. Technology used will be modern and those latest technology has been made compulsory by Government of India and CPCB. Strict checking of the same are carried out. There will be reduction in pollution as there is change in technology.
<p><b>Shri Dahyabhai Virambhai Gadhvi; Vill.: Tunda, Ta.: Mundra, Dist.: Kutch.</b></p> <p>He represented that, when you are talking about technology then why F.G.D. system and Flew Gas Detector has not been attached in unit 1 to 6 of Adani Power, while the same are attached in unit 7 to 9.</p>	----
<p><b>Shri Vankabhai Rabari, Vill.: Bhopavandh, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, population of village is of around 1500 and they will die. There is village at 200 meter from the plant and Gaushala at 150 meter from plant so we will die but not let this plant to establish here. Villagers opposed collectively.</p>	----
<p><b>Shri Kirtibhai Rajgor, Vill.: Mota Kandagar, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, at one side there is a Tata's plant and at other side there is Adani's plant due to which dust particles comes on the floor of village. Due to the Tata's plant living is very difficult so the place of the plant should be changed and we heavily oppose this plant.</p>	----
<p><b>Shri Dahyabhai Virambhai Gadhavi, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, we didn't require this plant at any situation so this public hearing is also not required. Then why it is required to continue this Public Hearing?</p>	Regional officer informed that, it will be decided by competent authority whether the plant is required or not. All questions and representation will be recorded and forwarded to competent authority. Public Hearing cannot be stopped on demand of one person. We are waiting for 5 minutes and if anybody have new representation, they he can represent

	himself.
<p><b>Shri Dilip L. Gor, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, many birds and animals are not mentioned in EIA report. All village are opposing the same as the EIA report prepared is wrong.</p>	----
<p><b>Shri Ashish Rabari, Vill.: Bhopavandh, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, there is last 6 months medical report of Vandh village. The person having knowledge of it can explain that how the pollution of the company affects the health of public.</p> <p>We have not opposed the Adani, Vespa and Solar company which is near by our village. But if it will provide employment then we will not oppose it. Currently the proposed plant is opposed for change of place so the same must be done.</p>	<p>Chairman informed that, this Public Hearing is related to environment under which matters related to environment and health are included, so these medical reports will be included in public hearing proceedings. If there is any serious medical report and if 2 to 4 medical report out of that will be given as sample then it will be included in minutes. (copy of medical report submitted by villagers during Public hearing is annexed as E) After including all representation in proceedings and completing all procedures, final decision will be taken by competent authority after taking opinion of the experts of Central Government and State Government's respective department of Administrative system.</p> <p>Company's representative replied that, place has been decided as per TOR and EIA report has been prepared accordingly.</p>
<p><b>Shri Gilava Gopal Devraj, Vill.: Zarpara, Ta. : Mundra, Dist. : Kutch</b></p> <p>He asked that, what is the distance between Zarpara village and proposed plant?</p> <p>The wind flows in such direction that the pollution of the company enters into the village so we don't require this project.</p> <p>Nagmati river is not disclosed in EIA report but village has been disclosed.</p> <p>Give the detail of PM, CO<sub>2</sub>, SO<sub>2</sub> and NO<sub>x</sub> released daily from the Mundra Thermal Power Plant which produces 8620 MW power.</p>	<p>Company's representative replied that, Gamtal area of Zarpara village is not within 10 km. radius from the plant and the boundary of the village is at 9.5 km.</p> <p>Company's representative replied that, standard of the PM in the unit of the Adani power is 50 mg/Nm<sup>3</sup>. While the emission is about 0.155 kg/wt hour and</p>

<p>People preventing the company representative from replying said that they don't require any new plant and opposed the proposed project collectively.</p>	<p>emission of Co<sub>2</sub> is about 0.84 ton/MW.</p>
<p><b>Shri Vishram Gadhvi, Vill.: Zarpara, Ta.: Mundra, Dist.: Kutch.</b> He asked that, why Bhujpur village is included in EIA report while Zarpara village is not included?</p>	<p>Company's representative replied that, Company's representative replied that, all the villages which are under the 10 km. radius from the plant will be included as per the guideline of Government. There will be no bias for the same. Within the 10 km radius of the company there is no possibility of air and noise pollution.</p>
<p><b>Shri Dahyabhai Virambhai Gadhvi, Vill.: Tunda, Ta.: Mundra, Dist.: Kutch</b>  He asked that, you are saying that there will be no pollution by this plant but in EIA report it is mentioned that during construction phase there will be pollution due to dust particles, then which statement to be considered correct?</p>	<p>Company's representative replied that, pollution may occur due to activities i.e. transportation and storage of materials during construction phase for which the corrective measures are shown in EIA report i.e. closed storage.</p>
<p><b>Annapurana Keshvani, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b> She represented that, company is in operation from many years then what activities have been carried out for women empowerment by the company.</p>	<p>----</p>
<p><b>Rajendra Ba Jedeja, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b> She represented that, women of the village are carrying out bandhani activity at 3 rupees. What activity has been done by the company for them? Then for what purpose this company is established.</p>	<p>----</p>
<p><b>Meghanaben, Ta. : Mundra, Dist. : Kutch</b>  She represented that, company doesn't provide any work to the women of our village. Provide information regarding Saheli project which is operated by Adani Foundation.</p>	<p>Company's representative replied that, our Saheli project is in operation since two years. In which product like phenol are manufactured. We are attempting to make it a brand so that employment for women gets increase. Women of Tunda village also do Horticulture activities.</p>
<p><b>Deval Gadhavi, Vill.: Tunda Ta. : Mundra, Dist. : Kutch</b> She represented that, around 200 women are connected and working under women empowerment project carried out by company. Many women's can work outside so such a forum should be formed through which women get the work in the port without any kind of harassment.</p>	<p>Company's representative replied that, Ashapuri garment factory was in operation in which more than 700 women's were working but due to financially reason factory shut down.</p>
<p><b>Sivani Goswami, Vill.: Ta. : Mundra, Dist. : Kutch</b> She asked that, why land losers are not provided employment in the company and why the survey is not carried out? Whether employment will be provided</p>	<p>Company's representative replied that, many people are employed on contract. Survey will be carried out for person with proper qualification and they will be</p>

to those people or not?	employed and if any land losers are not employed, then they will be employed according to the provisions.
<p><b>Shri Bhagirath Singh Jadeja, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, financially weak and widow should be financially supported by the company. I suggested to company to start Widow Pension Yojana but company refused for the same. Requesting Collector represented that company should provide one thousand to fifteen hundred rupees as financial support to financially weak women under CSR activity.</p>	Company's representative replied that, there is government scheme for financially weak widow so company will carry out proper CSR activity
<p><b>Shri Bharatsinh Abhaysinh Jadeja, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, land bearing survey number 42 has been acquired by the company. My son Kuldeep Singh went to company 3 to 4 times regarding employment but company told him to go to Ahmadabad for the same. When our land was acquired at that time company said they will provide employment.</p>	Company's representative replied that, we were providing him employment on contract bases but he demanded for permanent employment.
<p><b>Shri Vankabhai Bikhabhai Rabari, Vill.: Bhopavandh, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, earlier we have represented boundary at bank of river. When there are heavy rainfall, water gathers in the village and during this monsoon there were 50 cases of dengue and swine flu. We will not let this plant to operate here. There is population of 1500 in Bhopavandh village. We will die but not allow to the cement plant to operate here. So we heavily opposed this plant.</p> <p>Company has been fined by Sunita Narayan of Rs.200 crore. So this company should not be permitted here.</p>	----
<p><b>Shri Vishram Gadhvi, Vill.: Zarpara, Ta.: Mundra, Dist.: Kutch</b></p> <p>He represented that, in EIA report Bhujpur village is included but farm areas of Zarpara village where more people are residing is not included in EIA report.</p>	Company's representative replied that, 7 areas have been finalized for monitoring air quality for the preparation of EIA report out of which in the direction of Bhujpur village one place is located and considered into the EIA report.
<p><b>Shri Bhagirathsinh Jadeja, Vill.: Tunda, Ta.: Mundra, Dist.: Kutch</b></p> <p>He represented that, my brother's vehicle is under contract in company since many years, but company keeps it under contract at their will and cancel it anytime. Development should be of whole village but not of one or two villagers.</p>	----
<p><b>Shri. ; Vill.: Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, we doesn't oppose the company</p>	----

<p>but company should fulfill the commitments given by them regarding employment, health and education.</p> <p>People opposed collectively.</p>	
<p><b>Shri Sureshbhai, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, 3 employees of my village were black listed in the company so state the reason to black list them?</p>	<p>Company's representative replied that, persons are black listed in company when they fight in the company, for theft or violation of the rules of the company and the black listed persons are again employed by the company after taking affidavit from such person in accordance to provide an opportunity to improve.</p>
<p><b>Shri Salim Umar, Vill.: Tunda, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, provide the detail of the person employed of Muslim religion out of the person employed of Tunda village?</p> <p>Yesterday you informed me that, there is injustice with us then who is responsible for it?</p> <p>In solar plant Muslim employees were prevented from to go out of the plant for namaz.</p> <p>Give us in writing that 90 % of employment will be provided to people of Tunda village.</p>	<p>Company's representative replied that, yesterday when you meet me I informed you that our company doesn't bias for any religion during providing employment and we too take care of the same.</p> <p>Company's representative replied that, company has not prevented any person for namaz.</p> <p>Company's representative replied that, land losers will be employed and priority in the employment and other work will be given to people from Tunda and other nearby villages.</p> <p>Regional officer informed that, question except administrative if any environmental question are remaining then it must be presented. Otherwise questions related to employment has been included many times.</p>
<p><b>Shri Manji Matang, Vill.: Siracha, Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, by the existing company there is damage to environment and if other company will establish there will be more damage to environment and the life of the people will be at risk so it is better that this company didn't establish plant here.</p>	<p>----</p>
<p><b>Chaki Raukmabai Khamisha Osaman, Vill.: Ta. : Mundra, Dist. : Kutch</b></p> <p>He represented that, company has not awarded compensation for the land acquired by them bearing</p>	<p>----</p>

<p>survey number 32/1. Company should not be permitted until the compensation being not awarded and the roads being not cleared. Cotton has been affected and water has become saline. Our land is attached to company's boundary.</p>	
<p><b>Shri ---; Vill.: Siracha, Ta. : Mundra, Dist. : Kutch</b>  He represented that, employees of Tunda village are working in company since 7 years as a helper. Whether they will be employed as a helper or will be promoted?</p>	<p>Company's representative replied that, company is carrying apprenticeship. Filing form and taking training from it promotion can be achieved and if having proper qualification promotion will be given.</p>
<p><b>Bhartiy Kishan Sangh, Vill.: Siracha, Ta. : Mundra, Dist. : Kutch</b>  He represented that, this points are related to company and environment.</p> <p>Company should not use ground water as portable water is very less so the desalination plant should be in operation continuously and care of the same should be taken by GPCB.</p> <p>Company has not done any activity for water conservation.</p> <p>Tree plantation should be done by the company to preserve the pollution due to the company and company should compensate for damage if any caused by company.</p> <p>Company should promote the farmers for the public partnership activity, health, education, activities related to health.</p>	<p>Company's representative replied that, company will not take ground water. Company will fulfill it requirement of water from desalination plant established by company.</p> <p>Water conservation work has been allotted to Yogesh Jadeja under CSR activity by the company for 5 years More and more plantation will be done.</p> <p>Those farmers who do not have drip irrigation system will be provided with the facility of drip irrigation. And land bearing survey no. 32 is not company's land. Regional Officer informed that, reply of the 6-representation received before the Public Hearing will be given by the project proponent in English and Gujarati language and will be included in the minutes. Which will be uploaded on website.</p> <p>In addition to these 21 representations have been receive during Public Hearing which will be included in minutes along with their reply in Gujarati and English language. Main concerns like employment, compensation of land, environment and project location and after making changes/corrections in draft EIA report, both will be submitted to competent authority for final decision. Due to the repetitive grievance's raised by gathering the environmental public hearing is declared completed after due permission of Chair.</p> <p>Chairman requested to raise issues apart from health, pollution, water utilization, ill effects on human- animals – birds, issues related to employment, issues related to compensation,</p>

	discrepancy observed in draft EIA report, discrepancy observed in information submitted by project proponent which are already covered.
<p><b>Shri Mayur Maheshwari, Vill.: Tunda Ta. : Mundra, Dist. : Kutch</b></p> <p>Copy of today's minutes of Public Hearing must be provided to us.</p>	Chairman stated that, copy of today's minutes of Public hearing will be given to you.
<p><b>Shri Nanji Maheshvari, Vill.: Siracha, Ta. : Mundra, Dist. : Kutch</b></p> <p>He asked that, within the 64 acre of land of Adani company how many survey numbers, grazing land and private land are there?</p>	<p>Company's representative replied that, land for plant of Adani cement has been acquired in 2007-08, then after labour colony and shops were constructed on it no other construction has been carried out on it.</p> <p>Regional officer informed that, this is a draft EIA report. Final EIA report will be prepared after making necessary change in draft EIA report.</p> <p>Chairman informed that, health, education, animals, birds, trees and environment related question has been included. If there is any other question, then represent it.</p>
<p><b>Shri Pareshbhai Babubhai Keshvani, Vill. : Siracha, Ta. : Mundra, Dist. : Kutch</b></p> <p>He asked that, what provision will be there for birds and animals i.e. peacock, pigeon, holla and crows. There are no safety provisions in the company so we do not require this company.</p> <p>My son is working in this company since 7 years and company said him to appoint on permanent basis but he is still not appointed.</p>	----

## Public Information

State Level Environment Impact Assessment Authority (SEIAA), Gujarat, has granted Environmental Clearance (EC) for Mundra Cement Grinding Plant (MCGP), Capacity 2.0 MMTPA of M/s Adani Cementation Limited at Survey No: 80/1, 80/2, 82, 83, 84, 85, 86, 87, 88, 180/2/5, 180/2/6, 180/2/9, 180/2/10, 180/2/11, 180/2/12 Village: Tunda, Taluka: Mundra, District: Kutch (Gujarat).

Salient features of the project EC are as under for the public information.

- **Reference:** Letter no SEIAA/GUJ/EC/3(b)/469/2019 dated 25.03.2019 of SEIAA, Gujarat
- **Land:** Total land requirement for the proposed project is 258900 Sq. m.(25.89 ha).Ownership of the land lies with APSEZ. An assurance has been given for transfer of required land to establish the Cement Grinding Plant.
- **Technology:** Vertical Roller Mill / Roller Press Technology has been proposed for grinding.
- **Raw Material:** Clinker (~3800TPD), Fly ash/Limestone (~2000TPD), Gypsum (~300TPD) and Coal (~50TPD) will be used for Cement manufacturing.
- **Water:** Fresh water requirement for the proposed project is 300KLD and will be provided by APSEZ.
- **Cement:** ~6000 MT/Month PPC, PSC, OPC & Composite Cement will be produced in the proposed project.
- **Compliance:** Compliance of EC conditions as per Environment (Protection) Act, 1986, Rules and MoEF & CC Notifications issued time to time shall be achieved. The project proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to SEIAA, Gujarat.
- **Capital Cost:** Total estimated project cost is Rs.556.26 Crores. Budget proposed for Environmental Protection Measures is estimated as Rs. 14.4 Crores (Capital) and Rs. 1.54 Crores (Annual). Budget proposed for implementation of Wildlife Conservation Plan, CSR & CER activities is as Rs. 90 Lac, Rs. 660 Lac & Rs. 620 Lac respectively.
- **Environmental Safeguard:** The Environmental Clearance has stipulated conditions for mitigation of impact on air quality, surface water, ground water, noise and ecology of the area.

As per Other Conditions number '69' of Environmental Clearance, copies of clearance letter is available with the Gujarat Pollution Control Board and may also be seen at the Website of SEIAA/SEAC/GPCB at [www.seiaa.gujarat.gov.in](http://www.seiaa.gujarat.gov.in)

Sd-  
Authorised Signatory  
Adani Cementation Limited

*Information to the public regarding EC issued by the SEIAA for this project is published on 31<sup>st</sup> March 2019 in "INDIAN EXPRESS" (English)*





### જાહેર માહિતી

સ્ટેટ લેવલ એન્વાયર્નમેન્ટ ઇમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (એસ.આઈ.આઈ.એ.એ.), ગુજરાત દ્વારા અદાણી સિમેન્ટેશન લિમિટેડની મુંદ્રા સિમેન્ટ ગ્રાઇન્ડિંગ પ્લાન્ટ (એમ.સી.જી.પી.) માટે એન્વાયર્નમેન્ટ ક્લિયરન્સ (ઇ.સી) આપવામાં આવ્યું છે જેની ક્ષમતા ૨.૦ એમ.એમ.ટી.પી.એ. છે. સર્વેનં. ૮૦/૧, ૮૦/૨, ૮૨, ૮૩, ૮૪, ૮૫, ૮૬, ૮૭, ૮૮, ૧૮૦/૨/૫, ૧૮૦/૨/૬, ૧૮૦/૨/૯, ૧૮૦/૨/૧૦, ૧૮૦/૨/૧૧, ૧૮૦/૨/૧૨ ગામ: તુંદા, તાલુકા: મુન્દ્રા, જિલ્લા: કચ્છ (ગુજરાત).  
પ્રોજેક્ટની મુખ્ય લાક્ષણિકતાઓની જાહેર માહિતી નીચે મુજબ છે:

- **સંદર્ભ:** એસ.આઈ.આઈ.એ.એ., ગુજરાતના પત્ર SEIAA/GUJ/EC/3 (બી) 469/2019 તારીખ ૨૫.૦૩.૨૦૧૯
- **જમીન:** સૂચિત પ્રોજેક્ટ માટે કુલ જમીનની જરૂરિયાત ૨,૫૮,૯૦૦ ચોરસ મી. છે. (૨૫.૮૯ હેક્ટર). જમીન માલિકી એ.પી.એસ.ઈ.એડ સાથે છે. સિમેન્ટ ગ્રાઇન્ડિંગ પ્લાન્ટ સ્થાપિત કરવા માટે જરૂરી જમીનના હસ્તાંતરણ માટે ખાતરી આપવામાં આવી છે.
- **ટેકનોલોજી:** ગ્રાઇન્ડિંગ માટે વર્ટિકલ રોલર મીલ / રોલર પ્રેસ ટેકનોલોજી પ્રસ્તાવિત છે.
- **કચ્છો માલ:** ક્લિંકર (~3800 TPD), ફ્લાય એશ / ચૂનો (~2000 TPD), જીપ્સમ (~300 TPD) તેમજ કોલસા (~50 TPD) નો ઉપયોગ સિમેન્ટ ઉત્પાદન માટે કરવામાં આવશે.
- **પાણી:** સૂચિત પ્રોજેક્ટ માટે પાણીની જરૂરિયાત ૩૦૦ કિલો લિટર પ્રતી દિવસ છે અને તે એ.પી.એસ.ઈ.એડ દ્વારા પૂરું પાડવામાં આવશે.
- **સિમેન્ટ:** ~6000 એમટી/મહિનો પી.પી.એ.સી, પી.એસ.સી, એમ.પી.સી. અને સંયુક્ત સિમેન્ટ પ્રસ્તાવિત પ્રોજેક્ટમાં બનાવવામાં આવશે.
- **અનુપાલન:** પર્યાવરણ (સંરક્ષણ) કાયદો, ૧૯૮૬ અને એમ.ઓ.ઈ.એફ. અને સી.સી સૂચનાઓ મુજબ, ઇ.સી. શરતોનું પાલન કરવામાં આવશે. પ્રોજેક્ટ પ્રસ્તાવ કરતાં SEIAA, ગુજરાત માટે પર્યાવરણીય સલામતીના અમલીકરણની સ્થિતિ પર છ માસિક પાલન અહેવાલો રજૂ કરશે.
- **મૂડી ખર્ચ:** કુલ અનુમાનિત પ્રોજેક્ટ ખર્ચ રૂ. ૫૫૬.૨૬ કરોડ છે. પર્યાવરણની સુરક્ષાના પગલાં માટે, પ્રોજેક્ટ ખર્ચમાં રૂ. ૧૪.૪ કરોડનું બજેટ અને વાર્ષિક ખર્ચ રૂ. ૧.૫૪ કરોડનું પ્રાવધાન રાખેલ છે. વાઇલ્ડ લાઇફ કન્ઝર્વેશન પ્લાન, સીએસઆર અને સીઇઆર પ્રવૃત્તિઓના અમલીકરણ માટે સૂચિત બજેટ રૂ. ૯૦ લાખ, રૂ. ૬૦૬ લાખ અને રૂ. ૬૨૦ લાખ છે.
- **પર્યાવરણીય સલામતી:** એન્વાયર્નમેન્ટ ક્લિયરન્સમાં એર ક્વોલિટી, સતલી પાણી, ભૂમિગત પાણી, ધ્વની અને પરિસ્થિતિ વિજ્ઞાનના અસરોને ઘટાડવા માટેની શરતો આપેલ છે.  
એન્વાયર્નમેન્ટ ક્લિયરન્સની અન્ય શરતો સંખ્યા '૬૯' મુજબ ક્લિયરન્સ પત્રની નકલો ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ સાથે ઉપલબ્ધ છે અને SEIAA/SEAC/GPCB ની વેબસાઇટ [www.seiaa.gujarat.gov.in](http://www.seiaa.gujarat.gov.in) પર પણ બેઈ શકાય છે.

એસડી/-  
અધિકૃત હસ્તાક્ષર  
અદાણી સિમેન્ટેશન લિમિટેડ

Information to the  
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(Gujarati)