

To
The Deputy Director General of Forests (C),
Ministry of Environment, Forest & Climate Change,
Regional Office West Zone, E-5 Kendriya Paryavaran Bhavan,
Arera Colony, Link Road -3, Ravi Shankar Nagar,
Bhopal – 462 016 (Madhya Pradesh)

Sub: Six monthly compliance status report of Environment Clearances of Mudhvay Limestone Mine at Village Mudhvay Taluka Lakhpat, District Kutch (Gujarat) of Adani Cementation Limited

Ref: Environment Clearance of Mudhvay Limestone Mine vide F. No.: J-11015/121/2007-IA.II(M), dated 30th July, 2020

Dear Sir,
With reference to above subject, please find enclosed herewith six-monthly Environment Clearance (EC) compliance status of Mudhvay Limestone Mine at Village Mudhvay Taluka Lakhpat, District Kutch (Gujarat) of Adani Cementation Limited for the period of **October – 2021 to March – 2022**.

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

Thanking You
Yours faithfully
For Adani Cementation Limited



(Sanjay Prasad)
Head Environment

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

CC to:

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

The Member Secretary
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032

The Regional Officer
Gujarat Pollution Control Board
Katira Commerical Complex-1,
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**SIX MONTHLY COMPLIANCE REPORT OF
ENVIRONMENTAL CLEARANCE**

MUDHVAY LIMESTONE MINE – BLOCK ‘C’

**At
VILLAGE MUDHVAY, TALUKA LAKHPAT, DISTRICT KUTCH,
GUJARAT**

**Submitted to:
Central Regional Office
Ministry of Environment, Forests & Climate Change - Bhopal
Central Pollution Control Board, New Delhi &
Gujarat State Pollution Control Board, Gandhinagar**

Submitted By:

adani

**Adani Cementation Limited
Adani Corporate House, Shantigram, S G Highway,
Near Vaishnodevi Circle, Ahmedabad, Gujarat 382421**

PERIOD: October, 2021 – March, 2022

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Introduction

Adani Cementation Limited (ACL), is subsidiary of Adani Enterprises Limited, proposed to establish an Integrated project as "Lakhpat Cement Works" consists of 'Clinkerization/Cement Plant (10MMTPA production capacity), Captive Power Plant CPP (99MW capacity), Mudhvay Limestone Mine (12MMTPA production capacity), Conveyor Corridor (12km), Berthing Jetty (19MMTPA Material Handling Capacity) and Desalination Plant (9000KLD production capacity) with Port Backup Facilities at village Maldo, Mudhvay, Koriyani and Kapurasi in Taluka Lakhpat, District Kutch (Gujarat).

ACL has granted Environmental Clearances (EC) from Ministry of Environment, Forest & Climate Change (MOEFCC) to Clinkerization/Cement Plant, CPP as well as Conveyor Corridor vide F.No.: J-11011/494/2017-IA.II(I) dated 12.05.2020 **(Enclosure-2)** and Mudhvay Limestone Mine vide F.No.: J-11015/121/2007-IA.II(M), dated 30th July, 2020. Environment Clearance of Berthing Jetty and Desalination Plant is under process.

Gujarat Pollution Control Board (GPCB) has issued Consent to Establish (CTE) after receiving TOR for Environment Clearance (EC) vide GPCB/ (PCB ID, - 69493) dated 20.02.2019 to Integrated project as 'Lakhpat Cement Works' proposed by ACL.

Construction and development of project will be started after grant of Environment Clearance of 'Berthing Jetty and Desalination Plant' as third component of project related CRZ clearance and financial closure of the integrated project.

Point wise six-monthly compliance status of Environmental Clearance under 'Mining' category as 'Mudhvay Limestone Mine – Block 'C'' for the period from "October, 2021 to March, 2022" is furnished herewith **(Enclosure - 1)**.

SIX MONTHLY COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE (EC) FOR PROPOSED MUDHVAY LIMESTONE MINE – BLOCK 'C' (12MMTPA PRODUCTION CAPACITY OF LIMESTONE IN THE ML AREA OF 251.9HA) AT VILLAGE MUDHVAY, TALUKA LAKHPAT, DISTRICT KUTCH (GUJARAT) OF ADANI CEMENTATION LIMITED ISSUED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE VIDE F. NO. J-11015/121/2017-IA.II(M) DATED 30.07.2020

A. Specific Condition (As per Para 29 of EC)		
i.	As committed by the PP, no road transportation of the limestone shall be allowed from the Crusher / Pit-head to the linked Cement Plant	• Noted and Compliance assured
ii.	The PP shall carryout the regular monitoring of the bird movement during the mining operations	• Noted and Compliance assured during mining operation.
iii.	The PP shall carryout the study on the ingress of the sea water up to 110m through pezio metric well to carry out the mining upto (-) 57 m as proposed or the quarry depth shall restrict to the(-) 50 m.	• Noted and Compliance assured to carry out study on ingress of sea water before mining beyond (-) 50m
iv.	The minimum width of terrace of the proposed waste dump shall not be less than 20 m.	• Noted and Compliance assured
v.	The total excavation shall not exceed to 17.08 MTPA, even during the re-handling of the waste dump from the mineralized area for void filling also.	• Noted and Compliance assured
vi.	Plantation shall be carried in 83.50 Ha of lease area at the end of life, interaila, including 5.00 Ha shall be along the boundary of ML area within first two years of commencement of mining operations, species shall be native to the area and selected in consultation with state forest department, and plantation record shall be maintained, gap plantation shall be carried and grassing as per the directions of the Hon'ble SC	• Noted and Compliance assured • Plantation will be started simultaneously with mining operation
vii.	PP shall implement the recommendation of a need - based assessment study and commitments on the issues raised during public hearing with fund the provision of Rs.4Cr, as committed under GER. The record for the same shall be maintained and compliance status shall be reported to Regional	• Noted and Compliance assured • Detailed year wise action plan for implementation of CER as per recommendation of need based study and

	office periodically along with the compliance report.	commitment w.r.t. issues raised during PH is enclosed as (Attachment - 1)
viii.	No ground water shall be used for project activities including mining operations.	<ul style="list-style-type: none"> • Noted and Compliance assured • No ground water will be used for mining purposes. However, NOC from Central Ground Water Authority has been obtained for water withdrawal from proposed mine. Copy Enclosed as (Annexure - 2)
ix.	No drilling and blasting shall be carried. As per the approved mine plan the mining shall be carried out by using continuous surface miner (CSM) with combination of pay loader and dumpers/tippers.	<ul style="list-style-type: none"> • Noted and Compliance assured
x.	All the mitigation measures committed / envisaged in the EIA/EMP report and subsequent submission shall be implemented.	<ul style="list-style-type: none"> • Noted and Compliance assured
B. Standard Conditions (As per Para 29 of EC)		
I. Statutory Compliance		
1.	The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/ construe to approvals/ consent/ permissions, etc. required to be obtained under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project	Noted
2.	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	<ul style="list-style-type: none"> • Noted and Compliance assured • It is a Greenfield project and mining will be started after financial closure. Hence, compliance towards penalty of illegal mining may not arise.
3.	The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29 th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Noted and Compliance assured prior to start of mining.

4.	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.	Copy of Environmental clearance dated 30.07.2020 has been submitted to the Heads of Local bodies, Panchayats and Municipal Bodies. Acknowledgment copies are enclosed as (Annexure - 3)
5.	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/Tehsildar's Office for 30 days.	Copy of Environmental Clearance has been submitted to GPCB for display (Annexure - 3)
6.	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.	Environmental clearance vide dated 30.07.2020 has been published in two local newspapers. i.e. The Indian Express (English) and Kutch Mitra (Gujarati). It has been also displayed on Industry website www.adani.com Public Notice published on 05.08.2020 in The Indian Express (English) and Kutch Mitra (Gujarati) Newspaper for Environment Clearance (Annexure - 4)
7.	The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.	Noted
II. Air quality monitoring and preservation		
i.	The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/1, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.	Noted and Compliance assured prior to start of mining

ii.	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments / machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.</p>	<p>Noted and Compliance assured prior to start of mining</p>
III.	Water quality monitoring and preservation	
1.	<p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.</p>	<ul style="list-style-type: none"> • Noted and Compliance assured • NOC from CGWA has been received Copy of NOC enclosed as (Annexure - 2)
2.	<p>Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.</p>	<p>Noted and Compliance assured prior to start of mining</p>
3.	<p>Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground</p>	<p>Noted and Compliance assured prior to start of mining</p>

	Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.	
4.	The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (AprilMay), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.	Noted and Compliance assured
5.	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.	Noted and Compliance assured
6.	Project Proponent shall plan, develop and implement rainwater harvesting measures on long	Noted and Compliance assured

	term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	
7.	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	Noted and Compliance assured
8.	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.	Noted and Compliance assured
IV.	Noise and Vibration Monitoring and Prevention	
1.	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Noted and Compliance assured
2.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.	Noted and Compliance assured
3.	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/ laborers are working without personal protective equipment.	Noted and Compliance assured
V.	Mining Plan	
1.	The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and	Noted and Compliance assured

	<p>top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.</p>	
2.	<p>The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.</p>	Noted and Compliance assured
VI.	Land Reclamation	
1.	<p>The Overburden (O.B.) and waste generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.</p>	Noted and Compliance assured
2.	<p>The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.</p>	Noted and Compliance assured
3.	<p>The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors</p>	Noted and Compliance assured

	thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ ge-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	
4.	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly	Noted and Compliance assured
5.	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 Years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	Noted and Compliance assured
6.	The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose.	Noted and Compliance assured
VII.	Transportation	
1.	The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions	Noted and Compliance assured
VIII.	Green Belt	
1.	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of	Noted and Compliance assured

	<p>mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.</p>	
2.	<p>The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.</p>	<p>Noted and Compliance assured</p>
3.	<p>The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.</p>	<ul style="list-style-type: none"> • Noted and Compliance assured • Site specific wildlife Conservation Management Plan for integrated project (Cement Plant & Mudhway Limestone Mine) has been principally approved by Principal Conservator of Forest (Wildlife), Gandhinagar (Gujarat) vide 29.01.2020. Copy enclosed as Annexure - 5) • Final recommendation of approved plan will be implemented in association with state forest department along with execution of proposed project and after financial closure
IX.	Public hearing and Human Health issues	
1.	<p>The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS</p>	<p>Noted and Compliance assured</p>

	<p>guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.</p>	
2.	<p>The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.</p>	Noted and Compliance assured
3.	<p>The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NASH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to</p>	Noted and Compliance assured

	make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).	
4.	<p>The Proponent shall maintained a record of performance indicators for workers which includes</p> <p>(a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9,</p> <p>(b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities,</p> <p>(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age,</p> <p>(d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented),</p> <p>(e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement,</p> <p>(f) they should not have suffered loss of any body part.</p> <p>The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.</p>	Noted and Compliance assured
5.	The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Noted and Compliance assured
6.	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Noted and Compliance assured
7.	The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary	<ul style="list-style-type: none"> • Noted and Compliance assured

	provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.	<ul style="list-style-type: none"> Action plan prepared for addressing the issues raised during the Public Hearing is enclosed as (Annexure - 6)
X.	Miscellaneous	
1.	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Noted and Compliance assured
2.	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<ul style="list-style-type: none"> Noted and Compliance assured Mining will be started after Financial Closure, ACL will inform to the Regional Office regarding date of Financial Closure.
3.	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	<ul style="list-style-type: none"> Noted This Six-monthly compliance report is being submitted for the period of October, 2021 to March, 2022.
4.	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.	Noted and Compliance assured prior to mining operation
5.	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.	Noted
6.	The mining lease holders shall, after ceasing mining operations, undertake regressing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Noted and Compliance assured



F. No. J-11015/121/2007-IA. II (M)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhavan
 Vayu Wing, 3rd Floor, Aliganj,
 JorBagh Road, New Delhi-110 003
 Dated: 30th July, 2020

To,

M/s Adani Cementation Limited
 (Shri Sanjay Prasad, AGM, Environment)
 Adani House, 56 Srimali Society, Navrangpura, Ahmedabad,
 Ahmedabad, Gujarat-380009

Subject: Mudhvay Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 million TPA of limestone in the mine lease area of 251.9 ha, the mine lease area is located at Village: Mudhvay, Taluka: Lakhpat, District: Kutch, Gujarat – Prior Environmental Clearance - Regarding

Sir,

This has reference to the online proposal of M/s Adani Cementation Limited vide Proposal No: IA/GJ/MIN/70787/2017 for mining of 12.00 MTPA of Limestone from Mudhvay Limestone Mine Block 'C' with the mine lease area of 251.9 ha. The mine lease area is located at Govt land Survey No. '26P' and '27P' Private Santhani Land Survey No. 26P7, 26P10, 26P22, 26P18, 26P41, 26P49, 26P33, 26P11, 26P42, 26P30, 26P57, 26P32, 26P25, 26P8, 26P52, 26P37, 26P9, 26P19, 26P27, 26P63, 26P47, 26P12, 8P1, 8P2, 8p9, 18P3, 26P10, 27P10, of Village: Mudhvay, Taluka: Lakhpat, District: Kutch, Gujarat. The latitudes and longitudes of the Mine lease fall between Latitude: 23°42'43.6432" N to 23°44'04.9094" N and Longitude: - E 68°41'51.6687" E to 68°42'40.9420" E. The project falls under seismic zone V.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project activity falls under Item 1(a) in Category "A".

3. With reference to the online application for ToR on 12.11.2017 along with Form-1, Pre-Feasibility Report, copy of Letter of Intent, etc., the proposal was appraised in the EAC in its meeting held on 21-22 December, 2017 wherein the Committee recommended the ToR. Ministry granted the ToR vide letter no. J-11015/121/2017-IA.II(M) dated 9th January, 2018 for preparation of report of Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP).

4. The Project Proponent submitted the EIA/EMP Report online dated 12.12.2019 for seeking Prior Environmental Clearance and the proposal was considered in the EAC in its meeting held during January 30-31, 2020 and further considered in the meeting held during 22-24 June, 2020.

5. The Project Proponent submitted that the total mine lease area is 251.90 ha, comprises of 132.42ha (52.57%) of agricultural land and 119.48ha (47.43%) of open scrub land. The proponent submitted that the Letter of Intent (LoI) has been issued for

winning mineral Limestone (cement grade) over an area of 251.90 ha by Department of Industries & Mines, Govt. of Gujarat vide letter no. MCR- 102016- 2146-CHH dated 21.06.2017 for a period of 50 years from the date of mining lease execution.

6. The Project Proponent reported that the mining plan is prepared with total excavation (Maximum peak production) of 12 MTPA Limestone, 5 MTPA Overburden and 0.08 MTPA Top soil. The Mining Plan Progressive Mine Closure Plan is approved by the Regional Controller of Mines, Indian Bureau of Mines, Gandhinagar vide letter no. पत्रसे. 684(4)(1)/MP-84 dated 03.01.2018 as per the approved mine plan the mining shall be carried out by fully mechanized opencast method using continuous surface miner (CSM) with combination of pay loader and dumpers/tippers. No drilling and blasting is required. The cutting depth of surface miner is 250-300mm and product size generated after cutting and milling in the range of 75-150mm. This size of limestone is suitable for cement plant without crushing. PP submitted that the working Bench height will be 6m and 15m width will be maintained respectively. The ultimate pit slope will be 45° and slope of over burden will be maintained at 70°. Overburden waste is loose material thus, not required drilling and blasting. It can directly be mined with the help of excavator bucket and will be loaded in dumper/tippers. Overburden material will be stored at designated place as per approved mining plan inside the mine lease area. Surface miner is environment friendly machine and to be used in order to avoid blasting. No crushing of mineral limestone is required. PP also reported that 0.3m cover of overburden sandy soil is available, the same during the mine plan OB will be dumped at designated place and will be re-handled and backfilling will be started in eighth year onwards, after getting part of worked out area matured for the same. The future Waste handling will vary based on the exploration plan of the Mining lease area and accordingly backfilling will be planned. It has been envisaged that after back-filling the entire excavated area of 112.30 Ha will have a void of about 30.0 m BG at the end of the conceptual period. The loading of excavated material by surface miner, is to be carried out by pay loader and transportation carried by dumper/tippers of 35 tonne capacity. The dumpers/tippers will carry material to transfer hopper of surface Belt conveyor. The Belt conveyor to be installed within the boundary barrier of boundary pillars C-07 to C-01. Limestone shall be conveyed to proposed cement plant along boundary barrier by surface Belt conveyor.

7. The Project Proponent submitted that the Gujarat State Pollution Control Board conducted Public Hearing for the proposed project of Cement Plant of Production Capacity 10MTPA Clinker, 10MTPA Cement & 99 MW Cpp (Including 24MW WHRS); Limestone Mine for 12MTPA from 251.9ha Area and Berthing Jetty of 19MTPA Capacity, located Village: Maldo, Mudhvay, Koriyani & Kapurasi, Taluka: Lakhpat, District: Kutch, Gujarat State on 28.05.2019 at Village Koriyani, Taluka Lakhpat, District Kutch (Gujarat). The advertisement for public hearing was published in "Kutch mitra" and "The Indian Express" on 22.04.2019. The Public hearing was conducted under the chairmanship of Smt. Remya Mohan (I.A.S.), District Magistrate and District Collector Bhuj, Kutch and Dr. S.N Agravat, I/c Regional Officer, Gujarat Pollution Control Board, Regional office Kutch-west was also presented. The issues raised during public hearing were also deliberated during the meeting which includes, employment, drinking water facility, medical facility, skill development, infrastructure facility in school & village, implementation of pollution control measures, additional compensation, educational facilities, effect on agricultural crop production, road maintenance, employment to local people, etc. The PP, *inter alia*, committed during public hearing that the project will employ around 630 persons per day during construction Phase and Preference will be given to local workers from the surrounding villages. During the operation phase, there

will be direct around 150 persons and indirectly more than 450 persons likely to give employment.

8. The Project Proponent submitted that the Baseline data was generated during winter season December 2017 to February 2018 for various environmental parameters including air, water (surface and ground water), land and soil, ecology and socio-economic status to determine quality of the prevailing environmental settings. The noise level fluctuations in daytime and night time was observed and the maximum noise level in daytime observed was 50.4dB(A) at NQ6, S.K.Varmanagar and minimum noise level observed was 41.4 dB(A) at NQ3, Koriyani Village, the Leq value is slightly exceeding the prescribed limit of CPCB. The maximum noise level in night time observed was 42.9dB(A) at NQ6, S.K.Varmanagar and minimum noise level was 32.7 dB(A) at NQ8, Mudhvay. Particulate Matter (PM10) Maximum concentration was recorded in AAQ6, S.K Varmanagar (75.1µg/m³) and the minimum concentration was recorded in AAQ1-Onsite Mining Area (64.7µg/m³). The higher concentration of PM10 in AAQ6-SK Varmanagar due to attributed to its proximity to State Highway and the ongoing, construction activities in the vicinity and presence of commercial activities. As per the monitoring data, PM2.5 ranges between 23.3µg/m³ in AAQ1(Onsite ML Area) to 32.9µg/m³ in AAQ6 (S.K.Varmanagar). Further PP reported that the Surface and ground water sampling was carried out in 6 and 7 locations respectively. The analysis results indicate that the pH values of all the samples of Kori Creek are in the range of 7.9 (SW5, Kori Creek 3) to 8.1(SW4& SW6, Kori Creek2 &Kori Creek4) indicating alkaline characteristics. All values meet criteria A as per CPCB surface water quality standard. TDS was observed in the range of 39,747 mg/l at SW6 (Kori Creek 4) to 43,200.0 mg/l at SW3 (Kori Creek 1)

9. The Project Proponent submitted that the Plantation will be carried out along statutory barrier as a green belt. The plantation will be done at the rate of 1000 saplings per Ha @ 1.0 Ha per year. The top soil removed during the mining process will be used for plantation purpose. At the end of mine life, about 83.50 Ha of lease area will be under plantation, out of which 5.00 Ha will be boundary greenbelt and 78.50 Ha will be plantation on reclaimed areas. The afforested area will be protected from cattle by fencing off the plantation area.

10. The Project Proponent submitted that the total water requirement for the mining will be 250 KLD which will be sourced from desalination plant to be proposed in upcoming cement plant in the vicinity.

11. The Project Proponent submitted that the total cost of the project shall be Rs. 7525 Crore (Approx.) and the proposed project about 630 persons is will be recruit during construction phase, preference will be given to local workers. During the operation phase, 150 skilled workers will be directly and 450 persons indirectly will be recruited.

12. The Project Proponent submitted that in order to compensate for the potential damage/degradation of *Commiphora wightii* habitats Adani Cementation Limited(ACL) shall carry out 2.0 ha. of plantation through Kutch-West Forest Division, Bhuj. ACL will financially support to Kutch West Forest Division for improvement of wildlife habitat (Schedule I species) in the forest area. Rs. 453.5 lacs have been estimated for conservation measure under wild life conservation plan which includes provision of Vehicles for patrolling and water supply for wild animals (Tractor with water Tanker).

13. The Project Proponent submitted that Mudhvay Limestone Mine Block 'C' does not fall under CRZ. Map showing demarcation of LTL, HTL, CRZ and Coastal features w.r.t. Mudhvay Limestone Mine Block 'C' and duly authenticated by Institute of Remote Sensing, Anna University submitted.

14. The Project Proponent submitted that no court cases were pending against the project or activity.

15. The Project Proponent submitted that Eco Sensitive Zone of Narayan Sarovar Wildlife Sanctuary is at ~2.0 km South; Kori Creek (Arabian Sea) is at ~7.5km West; Kali Nadi is at ~3.5km East; Kapurasi Nadi is at ~6.0km West; Mudhvay RF is at ~0.5 km South; Kaiyari RF is at ~6.0km SW; and Lakhpat Fort is at ~12.5km NE. It was reported that no important or sensitive species of flora or fauna were found. This project does not involve land protected under any international conventions, national or local legislation for their ecological, landscape, cultural or other related value.

16. The Project Proponent submitted that detailed Hydro-geological and Geo-physical survey to assess the impact of mining up to conceptual pit limit on sea water ingress towards ground water regime with mitigation measures is conducted between mine and coast during the period from 14th to 18th February, 2020 by recording 30 resistivity soundings along two sections from western boundary of the mine to nearest Kori creek, collection of 20 water samples from the surrounding area and construction of an exploratory bore hole to know the lithology of the area up to depth of 103 metres by M/s Hydro-Geosurvey Consultants Pvt. Ltd., Jodhpur.

17. The Project Proponent submitted that the Stage wise reclamation plan of the mine up to the period of conceptual pit limit shall be provided in the environment management plan.

- OB in this deposit is mainly characterized by Top Soil, mix of Sandy soil, Clay, Siltstone and Mudstone
- The generated top soil will be used for Green belt development simultaneously
- OB Dumping will be carried out temporarily for which a single dump of 38Ha is proposed
- Backfilling of temporary dump as well as Concurrent Backfilling shall start from 8th year onwards.

Year	OB/Waste (Mm ³)	OB Disposal Method	Top Soil (Mm ³)	Top Soil Disposal Method
1st	1.704	38Ha is earmarked on the Northern part of Block for temporary dumping of OB. Same will be backfilled from 8 th year onward.	0.046	No stacking proposed, simultaneous utilization for plantation purposes
2nd	2.5		0.057	
3rd	0.734		0	
4th	0.686		0	
5th	0.021		0	
up to Conceptual	13.475	Dumping till 8 th year and then concurrent backfilling	0.22	
Total	19.12	Nil at the end of Conceptual period	0.32	Nil at the end of Conceptual period

The generated waste will be backfilled till conceptual stage through concurrent as well as from temporary dump re-handling, starting from southern side of ML area

The stage wise detailed OB reclamation plan up to conceptual pit has been given below -

Year	Generated (in Mm ³)	To Temporary dump (in Mm ³)	OB Reclamation (in Mm ³)			Reclaimed Area (in Ha)
			From Dump	Concurrent	Total	
1 to 5	5.65	5.65	-	-	-	-
6 & 7	2.90	2.90	-	-	-	-
8 to 10	4.35	-	3.21	4.35	7.56	32.48
10 to 15	6.22	-	5.34	6.22	11.56	79.82
	19.12	8.55	8.55	10.57	19.12	112.30

5th Years Plans showing waste dump creation and systematic reclamation till conceptual plan is enclosed, as per approved mining plan. Summary of Stage wise reclamation plan is as under -

- Total waste generation envisaged till conceptual period is 19.12 Million cum
- Total waste available for backfilling envisaged till conceptual period is 24.85 Million cum (Considering 1.3 Swell Factor)
- Total void area envisaged till conceptual period is 112.30 Ha, which will be backfilled with generated OB
- Total 83.5 ha, will be developed as green cover including 78.5ha, back filled area and 5ha, along mine block boundary till conceptual stage of mining.

18. The Project Proponent submitted that as per Article-5 of ILO Safety & Health in Mines Convention, 1995 (No.176), Director General of Mines and Safety, India is the competent authority to monitor and regulate the various aspects of Health and Safety in Mines. DGMS has already adopted the ILO standards for occupational health and recommended the implementation of ILO Convention number 176 in mines during 10 & 11th Safety conferences. The following are the occupational health Surveillance in Mining Industry measures proposed by DGMS, which Adani Cementation Limited will implement.

- All chest radiographs of Initial and Periodical Medical Examinations in mines shall be classified for detection, diagnosis and documentation of pneumoconiosis in accordance with ILO classification for pneumoconiosis.
- The PME Medical Officer in every PME centre of mines shall be trained in occupational health and use of ILO classification for pneumoconiosis.
- Operating mechanized mines shall set up an Occupational Diseases Board consisting of one occupational Health Physician, one radiologist and one general physician.

19. The Project Proponent submitted that the open pit design has been planned for Mudhvay Limestone Mine Block 'C', considering the standard slope geometry and with respect to nearby operating mine, which is approved by Indian Bureau of Mines (IBM):

- Panandhro Lignite Mine located at about 9km towards SE of proposed mine is

safely operating with similar open pit design having overall pit slope of 45 degrees.

- In general, overall slope angle of 45° is considered to be safe in opencast pit as per Directorate General of Mines Safety (DGMS).

20. The Project Proponent submitted that the broad parameters of conceptual mine design are as below.

- Bench height : 6.0 m (max.) in Overburden & Mineral Both
- Bench width: In Limestone – Optimum
In Soil – Optimum
In Overburden – Optimum
- Bench slope : In Limestone Strata at 70° In Loose Strata from 35° to 45°
- Ultimate pit slope : ~ 45°

21. The Project Proponent submitted that the above bench parameters are planned with following Safety Measures during Mining Operation

- Drilling & Blasting not proposed
- Eco friendly mining operation using Surface Miner.
- Using surface miner, pay loaders and dumpers/tippers are safe and steady in operation with minimum dust generation and noise.
- Minimum safe distance of 50m will be kept between surface edge of quarry and nearest public building, roads etc.
- Mining operations within the quarry and outside will be conducted as per the conditions laid down by DGMS and under strict supervision of competent persons appointed under Metalliferous Mine Regulation Act, 1961.
- Bench slopes will be stabilized by using anchor bolts where ever required.
- However, the slope stability study will be carried out as per new MMR guidelines in future.

22. The Project Proponent submitted that the assessment of impact of mining of Limestone on migratory bird's path and mitigation plan w.r.t. Mudhvay Limestone Mine Block 'C' as supplementary report to existing 'Ecological Study & Wildlife Conservation Plan for Integrated Cement Plant and Mining at Lakhpat, Kutchh, Gujarat', is prepared based on survey conducted between 5th February 2020 to 7th March 2020 by M/s Bhagvati Enviro Care Pvt. Ltd., Ahmedabad.

23. The Project Proponent submitted that M/s Adani Cementation Limited aims to provide following activities to be implemented effectively in the village of the vicinity for socio economic development:

- Promote supply of quality seeds,
- Promote production of fodder crops,
- Extending fodder cultivation to currently unutilized lands outside ML area
- Promotion of dual purpose varieties of crops which has the potential of meeting fodder requirements in Season and off-season,
- Promotion of non-traditional fodder,
- Post-harvest technologies for preservation of fodder,
- Promote conservation of fodder by converting crop residues into fodder blocks through use of modern technologies, baling machines etc.

- Establish silage-making units to preserve surplus fodder for feeding during lean periods.
- Promote cultivation of superior variety of fodder for fodder seed (breeder, foundation and certified seed) production by creating assured market.
- Reduce wastage by encouraging chopping of fodder to promote better utilization.
- Promotion of area specific mineral mixture for livestock feeding to meet specific deficiency of macro and micro- minerals
- Conducting training program to educate dairy farmers.

Time Bound Action Plan with Budget

Issues raised	Commitment of PP	Action plan	Time line	Budget
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 Years	Rs. 35 Lakhs. (Rs. 5 Lakhs spent on Fodder Distribution)

24. The Project Proponent submitted that Water budget and details on water conservation plan to reduce the water requirement for mine, it has been estimated by modelling that average inflow of ground water in the mine during 1st five years of mining will be around 500 m³/day.

Mining Year	Water Inflow (m3/day)
First Year	211.65
Second Year	526.53
Third Year	616.02
Fourth Year	596.31
Fifth Year	546.15
Average	500.00

Out of 500 KLD of mine pit discharge, 225KLD will be used for dust suppression. Rest 275KLD will discharge to the percolation pond/ Local seasonal nala.

Water Conservation Measures:

- No ground water will be used for project activities including mining operations.
- Water will be conserved by means of both natural (Rain Water Harvesting) as well as artificial methods (Percolation Tanks)
- Treated Sewage recycled from Mine Office (15m³/day) will used for green belt development.
- Ground water inflow in the proposed mine shall be used for ground water recharging through dust suppression and plantation in ML area. Remaining water will be used for ground water recharge through designated percolation pond.
- Tanker mounted water sprinkler will be used for dust suppression of mine roads to utilize 225m³/day.

- ❑ 275m³/day will be taken to the nearest percolation pond
- ❑ 8 percolation tanks are proposed to be deepened to accommodate major part of the surface runoff available in study area

25. The Project Proponent submitted that cost estimation for CER Budget has been considered on the basis of Slab rate stated in Ministry's O.M. dated 01/05/2018 are as follows:

CAPEX Range (Rs. In Crs)		CAPEX	CER% #	Total CER Fund (Rs. In Crs)
From	To			
0	100	100	2.0%	2.0
101	500	133	1.5%	2.0
Total CAPEX of Project		233	1.7%	4.0

As per Slab rate stated in Ministry's O.M. dated 01/05/2018.

26. The Project Proponent submitted that R&R plan for Project affected families of Mudhvay Limestone Mine, ACL has adopted State Government R&R Policy as its R&R Policy.

- Land for Land: 145 Ha land identified in Village Panandhro (<2Kms from Project Site) or compensation for Land based on LARR, 2013
- Choice of annuity for safeguarding the interest of entire family.
- One-time assistance for house construction.
- Compensation for cattle shed/ petty shops.
- One-time resettlement allowance.
- One time grant artisan, small traders and certain other.
- Subsistence allowance @ Rs.3000 for 12 months/PDF
- Transportation cost for shifting of family.
- Stamp duty @ 7.5% and registration fee @1% for land & house to the PAFs
- R&R proposal in line with R&R policy of Government of Gujarat has been submitted to office of District Collector, Kutch for approval.

R&R Compensation Cost (Rs. In Lakhs) for Mudhvay Limestone Mine Block 'C'

S. No.	Particulars	Nos.	Rate (in Rs.)	Amount (Rs. in Lac)
1	One time assistance for house construction	17	5.76	97.92
2	Choice of annuity or employment	67	5.0	335
3	Subsistence allowance @ Rs. 3000 for 12 months / PDF	17	0.36	6.12
4	Transportation cost for shifting of family	17	0.50	8.5
5	One time resettlement allowance	17	0.50	8.5
6	Compensation for cattle shed / petty shop	17	0.25	4.25
7	One time grant artisan, small traders and certain others	17	0.25	4.25
8	Stamp duty @ 7.5% and registration fee @1% for land & house to the PAFs			8.32
Total				472.86

27. The Project Proponent submitted that time bound action plan with budget for issues raised during public hearing are as follows:

Issues raised	Commitment of PP	Action plan	Time line	Budget
Training and Skill development, Local Employment	Skill development of people in project impact area. Promotion of self-working groups Traditional & Cultural Support	Industrial & Tech. skill development – 40 Persons from nearby villages Self-employment training – 40 villagers from nearby villages Employment opportunity to the marginal workers of project impact area based on the relevant skills, experience and Merit	In first 3 Years	Rs.40 Lakhs
Education Support	Development of School infrastructure facilities Student welfare programmes	5 additional rooms at Primary Schools in nearby Villages Technical aid to ITI, Panadhro	In first 3 years	Rs. 70 Lakhs
Health Facilities	Organizing Health camps Provision of Public health center and ICU on wheel	Two nos. of mobile ICU	1 st Mobile ICU at start of project and 2 nd at commissioning	Rs 50 Lakhs on mobile ICU. Rs. 3 Lakhs already spent on Health Camp and Distribution of Wheelchair and Equipment for differently abled person.

Infrastructure Development	Infrastructure development in project impact area	Deepening of Godhtad Dam. Community Hall – Mudhvay Village Rain water harvesting System in 28 Villages Drinking Water arrangement	In first 3 Years	Rs. 160 Lakhs.
Environment Protection	Installation of Pollution control equipment	Adequate pollution control devices are envisaged for project area.	Considered in Project Cost.	
	Mass plantation	Mass plantation shall be carried out in project impact Villages.	In first 3 Years	Rs. 45 Lakhs (For mass plantation)
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and Awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 Years	Rs. 35 Lakhs. (Rs. 5 Lakhs already spent for Fodder Distribution)
Impact on existing Infrastructure	No community structures such as schools, temples or community halls are getting affected.	R & R activities Compensation for reconstruction Equivalent area of land compensation for land losers	In first 3 Years	As per

28. After detailed deliberations during 18th EAC meeting held during 22-24 June, 2020, the committee recommended for grant of Environmental Clearance subject to the specific conditions in addition to the standard conditions;

29. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto; and after accepting the recommendation of EAC meeting held during June 22, 23 & 24, 2020, hereby decided to accord the Environmental Clearance (EC) under the provisions thereof to the above mentioned

proposal of M/s Adani Cementation Limited for Mudhvay Limestone Mine Block 'C' with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village: Mudhvay, Taluka: Lakhpat, District: Kutch, Gujarat with following additional specific conditions in addition to the standard conditions for this project.

A. Specific Conditions

- I. As committed by the PP, no road transportation of the limestone shall be allowed from the crusher / Pit-head, to the linked cement plant.
- II. The PP shall carryout the regular monitoring of the bird movement during the mining operations.
- III. The PP shall carryout the study on the igress of the sea water upto 110 m through pezio metric well to carry out the mining upto (-) 57 m as proposed or the quarry depth shall restrict to the (-) 50 m.
- IV. The minimum width of terrace of the proposed waste dump shall not be less than 20 m.
- V. The total excavation shall not excaeed to 17.08 MTPA, even during the rehandling of the waste dump from the mineralized area for void filling also.
- VI. Plantation shall be carned in 83.50 Ha of lease area at the end of life, interaita, including 5.00 Ha shall be along the boundary of ML area within first two years of commencement of mining operations, species shall be native to the area and selected in consultation with state forest department, and plantation record shall be maintained, gap plantation shall be carried and grassing as per the directions of the Hon'ble SC.
- VII. PP shall implement the recommendation of a need – based assessment study and commitments on the issues raised during public hearing with fund the provision of Rs 4 Crs, as committed under CER. The record for the same shall be maintained and compliance status shall be reported to Regional office periodically along with the compliance report.
- VIII. No ground water shall be used for project activities including mining operations.
- IX. No drilling and blasting shall be carried. As per the approved mine plan the mining shall be carried out by using continuous surface miner (CSM) with combination of pay loader and dumpers/tippers.
- X. All the mitigation measures committed / envisaged in the EIA/EMP report and subsequent submission shall be implemented.

B. Standard conditions

I. Statutory compliance

- 1) The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/ construe to approvals/ consent/ permissions, etc. required to be obtained under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project

- 2) The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- 3) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- 4) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- 5) State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- 6) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- 7) The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

II. Air quality monitoring and preservation

- 1) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO₂, CO and SO₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
- 2) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and

PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

III. Water quality monitoring and preservation

- 1) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 2) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- 3) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- 4) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment.

Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

- 5) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off, acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
- 6) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
- 7) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- 8) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

A

IV. Noise and vibration monitoring and prevention

- 1) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- 2) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
- 3) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

V. Mining plan

- 1) The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.
- 2) The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

VI. Land reclamation

- 1) The Overburden (O.B.) and waste generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
- 2) The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
- 3) The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
- 4) Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.) The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.

- 5) Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
- 6) The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose.

VII. Transportation

- 1) The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

VIII. Green Belt

- 1) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- 2) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
- 3) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. -A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.

IX. Public hearing and human health issues

- 1) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
- 2) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
- 3) The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest, For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality)
- 4) The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities, (c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any

Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.

- 5) The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- 6) Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
- 7) The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

X. Miscellaneous

- 1) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
- 2) The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- 3) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- 4) A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.
- 5) The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.
- 6) The mining lease holders shall, after ceasing mining operations, undertake re-grossing the mining area and any other area which may have been disturbed

due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

30. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.


31. 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 attracts action under the provisions of Environment (Protection) Act, 1986.

32. 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 Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of State and any other Court of Law relating to the subject matter.

33. 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.

34. This issues with the approval of Competent Authority.

Yours faithfully,


(Sharath Kumar Palferia)
Director/Scientist 'F'

Copy to:

1. The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi-110 001.
2. The Secretary, Department of Mines & Geology, Government of Gujarat, Secretariat, Gandhinagar.
3. The Secretary, Department of Environment, Government of Gujarat, Secretariat, Gandhinagar.
4. The Secretary, Department of Forests, Government of Gujarat, Secretariat, Gandhinagar.
5. The Chief Wildlife Warden, Government of Gujarat, Dr. Jivaji Mehta Bhavan, Block No. 14, 1st Floor, Old Sachivalaya, Gandhinagar-382 010.
6. The Additional Principal Chief Conservator of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal – 462016, Madhya Pradesh.

7. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
8. The Member Secretary, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi-110011.
9. The Chairman, Gujarat State Pollution Control Board, Sector 10-A, Gandhi Nagar - 382043, Gujarat.
10. The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
11. The District Collector, Devbhoomi Dwarka, District, Government of Gujarat.
12. Guard File.
13. MoEF&CC Website.

Sharath
30/7/2020
(Sharath Kumar Palleria)
Director/Scientist 'F'

**YEAR WISE BUDGET ALLOCATION FOR ACTIVITIES UNDER
CORPORATE ENVIRONMENT RESPONSIBILITY**

Activities	Spent Till Today	Year - 1	Year - 2	Year - 3	Total
					(In crores)
Infrastructure development	0.05	0.08	0.48	0.09	0.7
Healthcare development	0.03	0.0	0.22	0.25	0.5
School infrastructure, facilities and support, library, science lab etc.)		0	0.29	0.41	0.7
Skill development		0.1	0.15	0.15	0.4
Water supply		0.3	0.3	0.3	0.9
Contribution to various Govt. Schemes (Swachh Bharat, Skill development etc.)	0.05	0.1	0.1	0.1	0.35
Plantation & Providing Seeds in Community Area		0.15	0.15	0.15	0.45
Total	0.13	0.73	1.69	1.45	4.0

Note:

Cost earmarked towards CER is not as per the slabs stated in the Ministry's O.M. dated 1/05/2018.

Cost estimation for CER Budget has been considered based on Slab rate stated in Ministry's O.M. dated 01/05/2018.

CER Calculation based on Project Cost

Capex Range (Rs. In Crs)		CAPEX	CER% #	Total CER Fund (Rs. in Crore)
From	To			
0	100	100	2.0%	2.0
101	500	133	1.5%	2.0
Total CAPEX of Project		233	1.7%	4.0

As per Slab rate stated in Ministry's O.M. dated 01/05/2018

Details of Budget Estimation for CER Activities:

Issues raised	Commitment of PP	Action plan	Timeline	Budget
Training and Skill developmen, Local Employment,	Skill development of people in project impact area. Promotion of self-working groups Traditional & Cultural Support	Industrial & Tech. skill development – 40 Persons from nearby villages Self-employment training – 40 villagers from nearby villages Employment opportunity to the marginal workers of project impact area based on the relevant skills, experience and Merit	In first 3 Years	Rs.40 Lakhs
Education Support	Development of School infrastructure facilities Student welfare programmes	5 additional rooms at Primary Schools in nearby Villages Technical aid to ITI, Panadhro	In first 3 years	Rs. 70 Lakhs
Health Facilities	Organizing Health camps Provision of Public health center and ICU on wheel	Two nos. of mobile ICU	1 st Mobile ICU at start of project and 2 nd at commissi oning	Rs 50 Lakhs on mobile ICU. Rs. 3 Lakhs already spent on Health Camp and Distribution of Wheelchair and Equipment for differently abled person.
Infrastructur e Development	Infrastructure development in project impact area	Deepening of Godthtad Dam. Community Hall – Mudhvay Village Rain water harvesting System in 28 Villages Drinking Water arrangement	In first 3 Years	Rs. 160 Lakhs.
Environment Protection	Installation of Pollution control equipment	Adequate pollution control devices are envisaged for project area.	Considered in Project Cost	

	Mass plantation	Mass plantation shall be carried out in project impact Villages.	In first 3 Years	Rs. 45 Lakhs (For mass plantation)
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 Years	Rs. 35 Lakhs. (Rs. 5 Lakhs already spent for Fodder Distribution)
Impact on existing Infrastructure	No community structures such as schools, temples or community halls are getting affected.	R & R activities Compensation for reconstruction Equivalent area of land Land compensation for land losers	In first 3 Years	As per the requirement

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 3rd party annual audit of the CER activities shall be carried out.



NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Mudhvay Limestone Mine Sub Block C of Lakhpatt Cement Works		
Project Address:	Mudhvay Limestone Mine Sub Block -C		
Village:	Mudhvay	Taluka:	Lakhpatt
District:	Kachchh	State:	Gujarat
Pin Code:	370601		
Communication Address:	10 A Sambhav House, Bodakdev, Taluka - Ahmadabad City, District - Ahmadabad, Gujarat - 380015		
Address of CGWB Regional Office :	Central Ground Water Board, West Central Region, Swami Narayan College Building, Shah Alam Tolnaka, Ahmedabad, Gujarat – 380022		

1. NOC No.:	CGWA/NOC/MIN/ORIG/2019/5864									
2. Application No.:	21-4/4138/GJ/MIN/2018			3. Category:	Mining					
4. Project Status:	New Project			5. NOC Type:	New					
6. Valid from:	13/08/2019			7. Valid up to:	12/08/2021					
8. Ground Water Abstraction Permitted:										
Fresh Water		Saline Water		Dewatering		Total				
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year			
				500	182500	500	182500			
9. Details of ground water abstraction /Dewatering structures										
Total Existing No.:0					Total Proposed No.:1					
	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
Abstraction Structure*	0	0	0	0	0	0	0	0	0	1
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit										
10. Quantum of ground water recharge/harvesting (m ³ /year):	107250									
11. Number of Piezometers (Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers		Monitoring Mechanism							
			Manual	DWLR**	DWLR With Telemetry					
**DWLR - Digital Water Level Recorder	1		0	1	0					

(Compliance Conditions given overleaf)

Digitally signed by
NANDAKUMARAN P
Date: 2019.09.06 14:34:33 +05'30'

Member (CGWA)

Validity of this NOC shall be subject to compliance of the following mandatory conditions:

1. No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
2. The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
3. All ground water abstraction/ de-watering structures shall be fitted/continue to be fitted with digital water flow meters by the firm at its own cost. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director, CGWB on annual basis.
4. In case the ground water abstraction is more than 10 m³/day, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWB. Wherever groundwater withdrawal is more than 500 m³/day, the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWB.
5. In case ground water abstraction is more than 10 m³/day, ground water quality shall be monitored once in a year (during pre- monsoon period) and the report submitted to the Regional Director, CGWB.
6. Ground water augmentation/harvesting measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the Regional Director, CGWB.
7. Proof of recharge/ water harvesting (photographs of structures constructed) shall be submitted to the Regional Director, CGWB. The firm shall also undertake periodic maintenance of recharge/water harvesting structures at its own cost.
8. The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
9. The project proponent shall take all necessary measures to prevent contamination of ground water in the premises, failing which the firm shall be responsible for any consequences arising thereupon.
10. In case of industries likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
11. Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
12. In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
13. Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the Regional Director, Central Ground Water Board.
14. The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
15. This NOC is subject to prevailing Central/ State Government rules/ laws/ norms or Court orders related to construction of tube well/ ground water abstraction structure/ recharge or conservation structure/discharge of effluents or any such matter as applicable.
16. This NOC does not absolve the proponents of their obligation/ requirement to obtain other statutory and administrative clearances from appropriate authorities.
17. The issue of this NOC does not imply that other statutory/ administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
18. This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/ court orders in cases related to ground water or any other related matters.
19. Application for renewal can be submitted online from 90 days before the expiry of NOC. Application for renewal of expired NOCs shall not be entertained and subsequent ground water withdrawal, if any, shall be illegal & liable for legal action as per provisions of Environment Protection Act (EPA), 1986.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

Annexure - 3

**Acknowledgment Copy of Submission of Environmental Clearance granted
on 30.07.2020 to the Heads of local bodies, Panchayats and Municipal
Bodies and Government Offices**

adani™

Ref: ACL/ENV/ACL-MLSM/RO-GPCB/07-20/23

31st July, 2020

To,
The Regional Office, Kutch (West),
Gujarat Pollution Control Board (GPCB)
Bhuj-Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

Dear Sir,

This is as per the subject and reference cited above, Environment Clearance for said project is granted by MoEF&CC dated 30th July 2020.

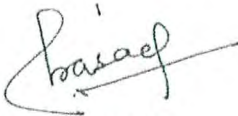
You may kindly note that the Standard Condition Number 4, page no. 12 of EC, reads that:

4. "A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal"
5. State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office / Tehsildar's Office for 30 days.

Hence, we are submitting the copy of the EC to your good office for your kind record and display of the same at your office notice board for public view for 30 days.

Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 5555
Fax +91 79 2555 5500

info@adani.com
www.adani.com

Received
04/08/2020
Gujarat Pollution Control Board
Bhuj-Kutch.

adani™

Ref: ACL/ENV/ACL-MLSM/DDO/07-20/25

31st July, 2020

To,
The District Development Officer,
Taluka Bhuj,
District Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpatt, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

Dear Sir,

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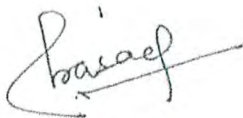
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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above

7/31/2020
2020/07/31
31/07/2020
મુદ્દવય લેસ્ટોન માઇન બ્લોક 'C' ની પર્યાવરણ સુરક્ષા અધિકારી દ્વારા

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

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Fax +91 79 2555 5500

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www.adani.com

adani™

Ref: ACL/ENV/ACL-MLSM/DC/07-20/22

31st July, 2020

To,
The District Collector
Collector Office, Taluka Bhuj
District Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

Dear Sir,

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You may kindly note that the Standard Condition Number 4 & 5, page no. 12 of EC, reads that:

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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory


Sanjay Prasad
Encl: As above

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
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Fax +91 79 2555 5500

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5/18/2020
INWARD CLERK
REGISTRY BRANCH
COLLECTOR'S OFFICE
BHUJ

adani™

Ref: ACL/ENV/ACL-MLSM/DIC/07-20/24

31st July, 2020

To,
The General Manager,
District Industry Centre, Taluka Bhuj,
District Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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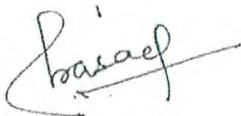
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Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
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www.adani.com



adani™

Ref: ACL/ENV/ACL-MLSM/DC/07-20/22

31st July, 2020

To,
The District Collector
Collector Office, Taluka Bhuj
District Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (Gujarat).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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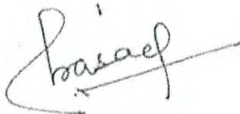
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Authorized Signatory



Sanjay Prasad
Encl: As above

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Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
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Sanjay Prasad
04/08/2020
સામલતદાર કચેરી
લખપત મુ. જિલ્લો
તાલુકો પી. ૩૭૦૦૦૧

Sanjay Prasad
04/08/2020
સામલતદાર કચેરી
લખપત મુ. જિલ્લો
તાલુકો પી. ૩૭૦૦૦૧

adani

Ref: ACL/ENV/ACL-MLSM/TDO/07-20/26

31st July, 2020

To,
The Taluka Development Officer,
Taluka Lakhpat,
District Kutch, Gujarat-370001

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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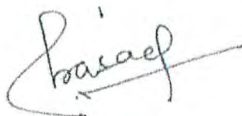
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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
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Fax +91 79 2555 5500

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www.adani.com



Ref: ACL/ENV/ACL-MLSM/RO-MOEFCC/07-20/27

31st July, 2020

To,

The Additional Principal Chief Conservator of Forest (C),
Ministry of Environment, Forest & Climate Change,
Regional Office, West Zone, E5-Kendriya Paryavaran Bhavan,
E5, Arera Colony, Link Road – 3, Ravi Shankar Nagar
Bhopal – 462016 (Madhya Pradesh)

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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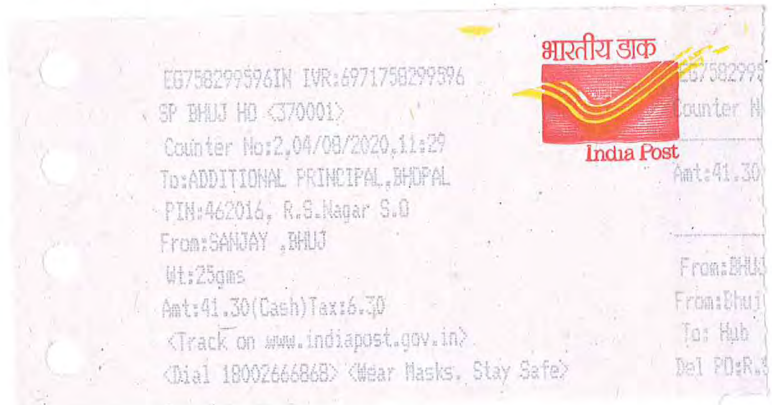
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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory

Sanjay Prasad
Encl: As above



Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
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www.adani.com



Ref: ACL/ENV/ACL-MLSM/MS-GPCB/07-20/28

31st July, 2020

To,

The Member Secretary,
Gujarat Pollution Control Board (GPCB)
District Gandhinagar, Gujarat-382010

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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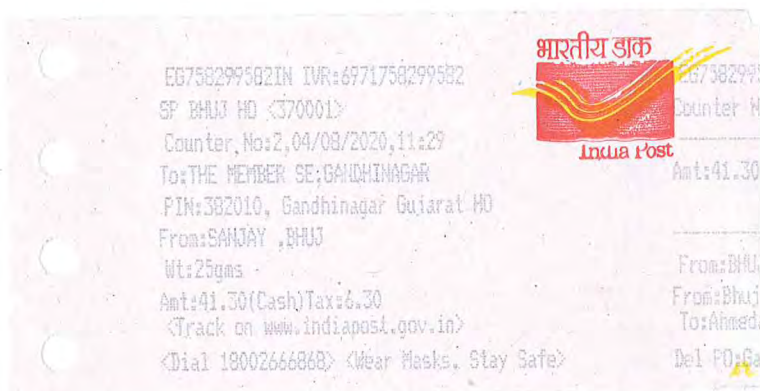
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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory

Sanjay Prasad
Encl: As above



Ref: ACL/ENV/ACL-MLSM/GP-Chernani/07-20/29

31st July, 2020

Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

Tel +91 79 2555 5555
Fax +91 79 2555 5500

info@adani.com
www.adani.com

adani™

To,
The Talahti / Mantri Shri,
Chernani Juth Gram Panchayat
Village & Gram Panchayat: Chernani,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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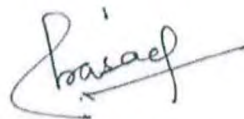
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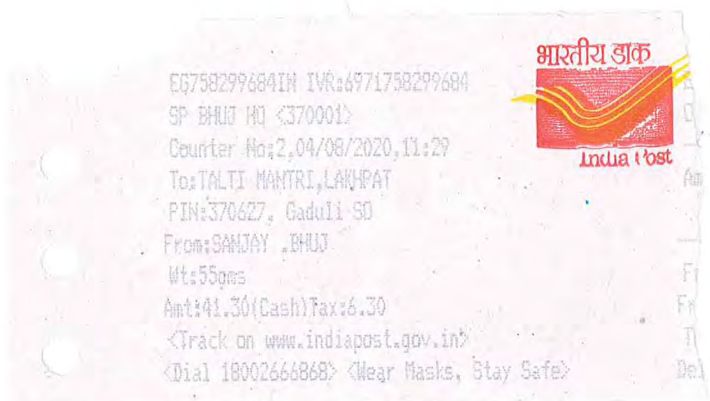
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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above



Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

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Fax +91 79 2555 5500

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www.adani.com



Ref: ACL/ENV/ACL-MLSM/GP-Narayan Sarovar/07-20/30

31st July, 2020

To,
The Talahti / Mantri Shri,
Narayan Sarovar Juth Gram Panchayat
Village & Gram Panchayat: Narayan Sarovar,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory

Sanjay Prasad
Encl: As above



Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
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Fax +91 79 2555 5500

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www.adani.com



Ref: ACL/ENV/ACL-MLSM/GP-Pandhro/07-20/31

31st July, 2020

To,
The Talahti/Manti Shri,
Pandhro Gram Panchayat
Village & Gram Panchayat: Pandhro,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (Gujarat).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory

Sanjay Prasad
Encl: As above



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Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
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adani™

Ref: ACL/ENV/ACL-MLSM/GP-Mindhiari/07-20/32

31st July, 2020

To,
The Talahti/Manti Shri,
Mindhiari Juth Gram Panchayat
Village & Gram Panchayat: Mindhiari,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

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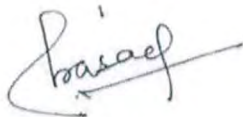
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Authorized Signatory

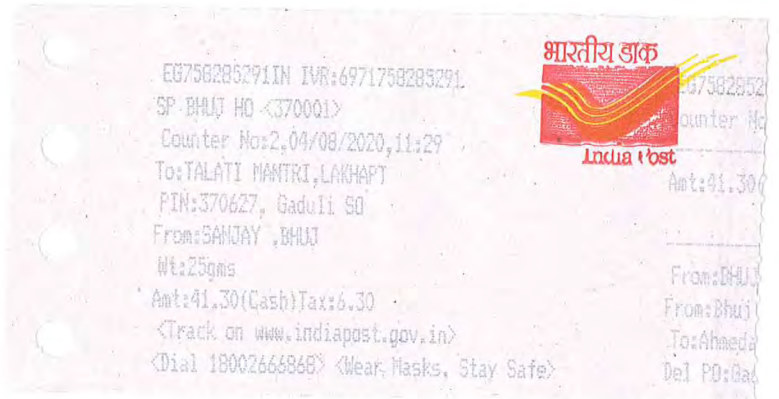


Sanjay Prasad
Encl: As above

Adani Cementation Ltd.
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www.adani.com



adani™

Ref: ACL/ENV/ACL-MLSM/GP-Koriyani/07-20/33

31st July, 2020

To,
The Talahti/Manti Shri,
Koriyani Juth Gram Panchayat
Village & Gram Panchayat: Koriyani,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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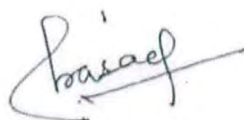
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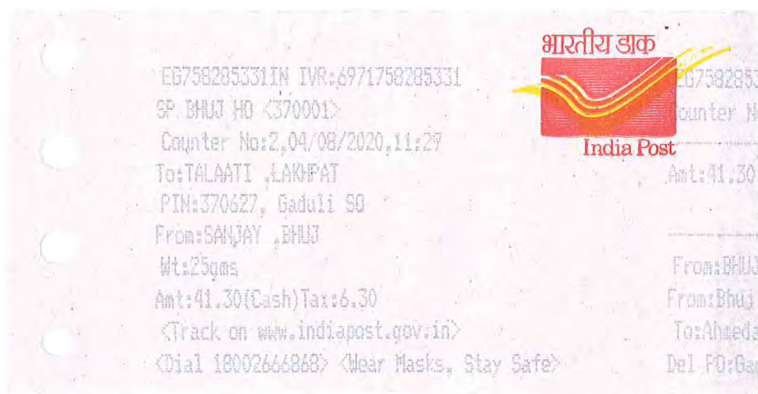
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Authorized Signatory



Sanjay Prasad
Encl: As above



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www.adani.com

adani™

Ref: ACL/ENV/ACL-MLSM/GP-Kapurasi/07-20/34

31st July, 2020

To,
The Talahti/Manti Shri,
Kapurasi Gram Panchayat
Village & Gram Panchayat: Kapurasi,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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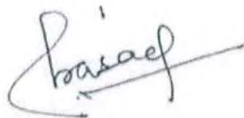
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5. State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office / Tehsildar's Office for 30 days.

Hence, we are submitting the copy of the EC to your good office for your kind record and display of the same at your office notice board for public view for 30 days.

Thanking you,

Yours faithfully,
For, Adani Cementation Limited
Authorized Signatory



Sanjay Prasad
Encl: As above



Adani Cementation Ltd.
Adani Corporate House
Shantigram, Near Vaishno Devi Circle,
SG highway, Khodiyar,
Ahmedabad 382421
Gujarat, India
CIN: U74999GJ2016PLC094589

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Fax +91 79 2555 5500

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www.adani.com

adani™

Ref: ACL/ENV/ACL-MLSM/GP-Fulra/07-20/35

31st July, 2020

To,
The Talahti/Manti Shri,
Fulra Juth Gram Panchayat
Village & Gram Panchayat: Fulra,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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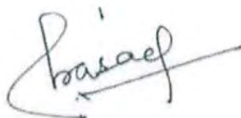
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Authorized Signatory



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Ref: ACL/ENV/ACL-MLSM/GP-Subhashpar/07-20/36

31st July, 2020

To,
The Talahti/Manti Shri,
Subhashpar Juth Gram Panchayat
Village & Gram Panchayat: Subhashpar,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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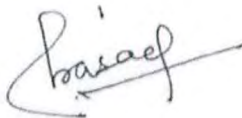
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Yours faithfully,
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Ref: ACL/ENV/ACL-MLSM/GP-Guneri/07-20/37

31st July, 2020

To,
The Talahti/Manti Shri,
Guneri Juth Gram Panchayat
Village & Gram Panchayat: Guneri,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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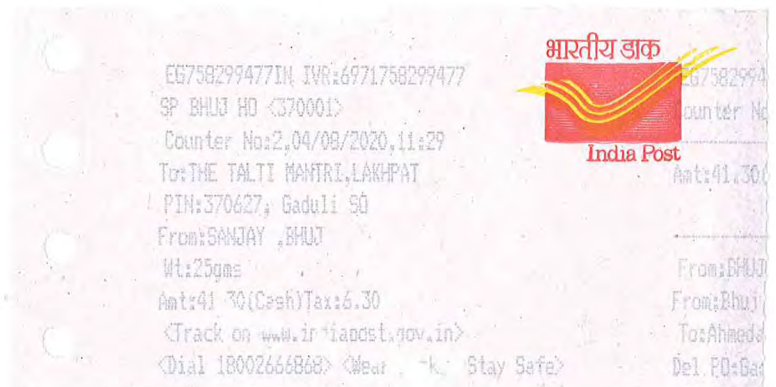
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For, Adani Cementation Limited
Authorized Signatory

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Encl: As above



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Ref: ACL/ENV/ACL-MLSM/GP-Lakhpat/07-20/238

31st July, 2020

To,
The Talahti/Manti Shri,
Lakhpat Juth Gram Panchayat
Village & Gram Panchayat: Lakhpat,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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Ref: ACL/ENV/ACL-MLSM/GP-Punrajpur/07-20/39

31st July, 2020

To,
The Talahti/Manti Shri,
Punrajpur Juth Gram Panchayat
Village & Gram Panchayat: Punrajpur,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhway Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhway of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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Authorized Signatory

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Ref: ACL/ENV/ACL-MLSM/GP-Mudiya/07-20/40

31st July, 2020

To,
The Talahti/Manti Shri,
Mudiya Juth Gram Panchayat
Village & Gram Panchayat: Mudiya,
Taluka Lakhpat, Gujarat

Sub.: Submission of copy of Environment Clearance (EC) of **Mudhvay Limestone Mine Block-'C' of Adani Cementation Limited (ACL)** located at village Mudhvay of Taluka Lakhpat, District Kutch (**Gujarat**).

Ref.: Copy of EC: F.No. J-11015/121/2017-IA.II (M) dated 30.07.2020 (Enclosure-1)

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Annexure - 4
Public Notice published on 05.08.2020 in The Indian Express (English) and Kutch Mitra
(Gujarati) Newspaper for Environment Clearance granted on 30.07.2020

M/s Adani Cementation Limited. Regarding Environment Clearance of Mudhway Limestone Mine Block 'C'

PUBLIC NOTICE

This is to bring to the public notice that M/s Adani Cementation Limited has been accorded Environmental Clearance (EC) for Mudhway Limestone Mine Block 'C' by the Ministry of Environment, Forest and Climate Change (MOEFCC), Indira Paryavaran Bhavan, JorBagh Road, New Delhi 110003, vide F. No. J-11015/121/2017-IA.II (M) dated 30.07.2020. A copy of the above mentioned clearance letter along with the Environmental Conditions and safeguard is published here and is available with Gujarat Pollution Control Board. This may also be seen on the website of Ministry of Environment, Forest and Climate Change at <https://www.moef.nic.in> and on website of Adani Enterprises Limited in download section at <https://www.adanienterprises.com/downloads>.

F. No. J-11015/121/2007-IA. II (M)

Government of India, Ministry of Environment, Forest and Climate Change (Impact Assessment Division), Indira Paryavaran Bhavan Vayu Wing, 3rd Floor, Aliganj, JorBagh Road, New Delhi - 110 003.
Dated: 30th July, 2020

To: M/s Adani Cementation Limited, (Shri Sanjay Prasad, AGM, Environment), Adani House, 56 Srimali Society, Navrangpura, Ahmedabad, Gujarat - 380009.

Subject: Mudhway Limestone Mine Block 'C' of M/s Adani Cementation Limited with proposed production capacity of 12 million

TPA of limestone in the mine lease area of 251.9 ha, the mine lease area is located at Village: Mudhway, Taluka: Lakhpat, District: Kutch, Gujarat - Prior Environmental Clearance - Regarding

Sir,
This has reference to the online proposal of M/s Adani Cementation Limited vide Proposal No: IA/GJ/MIN/70787/2017 for mining of 12.00 MTPA of Limestone from Mudhway Limestone Mine Block 'C' with the mine lease area of 251.9 ha. The mine lease area is located at Govt land Survey No. '26P' and '27P' Private Santhani Land Survey No. 26P7, 26P10, 26P22, 26P18, 26P41, 26P49, 26P33, 26P11, 26P42, 26P30, 26P57, 26P32, 26P25, 26P8, 26P27, 26P63, 26P47, 26P12, 8P1, 8P2, 8P9, 18P3, 26P16, 27P10, of Village: Mudhway, Taluka: Lakhpat, District: Kutch, Gujarat. The latitudes and longitudes of the Mine lease fall between Latitude: 23°42'43.6432" N to 23°44'04.9094" N and Longitude: - 68°41'51.6687" E to 68°42'40.9420" E. The project falls under seismic zone V.

- As per EIA Notification dated 14th September, 2006 as amended from time to time, the project activity falls under Item 1(a) in Category "A".
- With reference to the online application for ToR on 12.11.2017 along with Form-1, Pre-Feasibility Report, copy of Letter of Intent, etc., the proposal was appraised in the EAC in its meeting held on 21-22 December, 2017 wherein the Committee recommended the ToR. Ministry granted the ToR vide letter no. J-11015/121/2017-IA.II(M) dated 9th January, 2018 for preparation of report of Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP).
- The Project Proponent submitted the EIA/EMP Report online dated 12.12.2019 for seeking Prior Environmental Clearance and the proposal was considered in the EAC in its meeting held during January 30-31, 2020 and further considered in the meeting held during 22-24 June, 2020.

- The Project Proponent submitted that the total mine lease area is 251.90 ha, comprises of 132.42ha (52.57%) of agricultural land and 119.48ha (47.43%) of open scrub land. The proponent submitted that the Letter of Intent (Loi) has been issued for winning mineral Limestone (cement grade) over an area of 251.90 ha by Department of Industries & Mines, Govt. of Gujarat vide letter no. MCR- 102016-2146-CHH dated 21.06.2017 for a period of 50 years from the date of mining lease execution.
- The Project Proponent reported that the mining plan is prepared with total excavation (Maximum peak production) of 12 MTPA Limestone, 5 MTPA Overburden and 0.08 MTPA Top soil. The Mining Plan Progressive Mine Closure Plan is approved by the Regional Controller of Mines, Indian Bureau of Mines, Gandhinagar vide letter no. पत्र. 684(4)(1)/MP-84 dated 03.01.2018 as per the approved mine plan the mining shall be carried out by fully mechanized opencast method using continuous surface miner (CSM) with combination of pay loader and dumpers/tippers. No drilling and blasting is required. The cutting depth of surface miner is 250-300mm and product size generated after cutting and milling in the range of 75-150mm. This size of limestone is suitable for cement plant without crushing. PP submitted that the working Bench height will be 6m and 15m width will be maintained respectively. The ultimate pit slope will be 45° and slope of over burden will be maintained at 70°. Overburden waste is loose material thus, not required drilling and blasting. It can directly be mined with the help of excavator bucket and will be loaded in dumper/tippers. Overburden material will be stored at designated place as per approved mining plan inside the mine lease area. Surface miner is environment friendly machine and to be used in order to avoid blasting. No crushing of mineral limestone is required. PP also reported that 0.3m cover of overburden sandy soil is available, the same during the mine plan OB will be dumped at designated place and will be re-handled and backfilling will be started in eighth year onwards, after getting part of worked out area matured for the same. The future Waste handling will vary based on the exploration plan of the Mining lease area and accordingly backfilling will be planned. It has been envisaged that after back-filling the entire excavated area of 112.30 Ha will have a void of about 30.0 m BG at the end of the conceptual period. The loading of excavated material by surface miner, is to be carried out by pay loader and transportation carried by dumper/tippers of 35 tonne capacity. The dumpers/tippers will carry material to transfer hopper of surface Belt conveyor. The Belt conveyor to be installed within the boundary barrier of boundary pillars C-07 to C-01. Limestone shall be conveyed to proposed cement plant along boundary barrier by surface Belt conveyor.

- The Project Proponent submitted that the Gujarat State Pollution Control Board conducted Public Hearing for the proposed project of Cement Plant of Production Capacity 10MTPA Clinker, 10MTPA Cement & 99 MW Cpp (Including 24MW WHRS); Limestone Mine for 12MTPA from 251.9ha Area and Berthing Jetty of 19MTPA Capacity, located Village: Maldo, Mudhway, Koriyani & Kapurasi, Taluka: Lakhpat, District: Kutch, Gujarat State on 28.05.2019 at Village Koriyani, Taluka Lakhpat, District Kutch (Gujarat). The advertisement for public hearing was published in "Kutch mitra" and "The Indian Express" on 22.04.2019. The Public hearing was conducted under the chairmanship of Smt. Remya Mohan (I.A.S.), District Magistrate and District Collector Bhuj, Kutch and Dr. S.N. Agravat, I/c Regional Officer, Gujarat Pollution Control Board, Regional office Kutch-west was also presented. The issues raised during public hearing were also deliberated during the meeting which includes, employment, drinking water facility, medical facility, skill development, infrastructure facility in school & village, implementation of pollution control measures, additional compensation, educational facilities, effect on agricultural crop production, road maintenance, employment to local people, etc. The PP, inter a/a, committed during public hearing that the project will employ around 630 persons per day during construction Phase and Preference will be given to local workers from the surrounding villages. During the operation phase, there will be direct around 150 persons and indirectly more than 450 persons likely to give employment.

- The Project Proponent submitted that the Baseline data was generated during winter season December 2017 to February 2018 for various environmental parameters including air, water (surface and ground water), land and soil, ecology and socioeconomic status to determine quality of the prevailing environmental settings. The noise level fluctuations in daytime and night time was observed and the maximum noise level in daytime observed was 50.4dB(A) at NQ6, S.K. Varmanagar and minimum noise level observed was 41.4 dB(A) at NQ3, Koriyani Village, the Leq value is slightly exceeding the prescribed limit of CPCB. The maximum noise level in night time observed was 42.9dB(A) at NQ6, S.K. Varmanagar and minimum noise level was 32.7 dB(A) at NQ8, Mudhway. Particulate Matter (PM10) Maximum concentration was recorded in AAQ6, S.K. Varmanagar (75.1µg/m3) and the minimum concentration was recorded in AAQ1-Onsite Mining Area (64.7µg/m3). The higher concentration of PM10 in AAQ6-S.K. Varmanagar due to attributed to its proximity to State Highway and the ongoing, construction activities in the vicinity and presence of commercial activities. As per the monitoring data, PM2.5 ranges between 23.3µg/m3 in AAQ1(Onsite ML Area) to 32.9µg/m3 in AAQ6 (S.K. Varmanagar). Further PP reported that the Surface and ground water sampling was carried out in 6 and 7 locations respectively. The analysis results indicate that the pH values of all the samples of Kori Creek are in the range of 7.9 (SW5, Kori Creek 3) to 8.1 (SW4B SW6, Kori Creek2 & Kori Creek4) indicating alkaline characteristics. All values meet criteria A as per CPCB surface water quality standard. TDS was observed in the range of 39,747 mg/l at SW6 (Kori Creek 4) to 43,200.0 mg/l at SW3 (Kori Creek1).

- The Project Proponent submitted that the Plantation will be carried out along statutory barrier as a green belt. The plantation will be done at the rate of 1000 saplings per Ha@ 1.0 Ha per year. The top soil removed during the mining process will be used for plantation purpose. At the end of mine life, about 83.50 Ha of lease area will be under plantation, out of which 5.00 Ha will be boundary green belt and 78.50 Ha will be plantation on reclaimed areas. The afforested area will be protected from cattle by fencing off the plantation area.

- The Project Proponent submitted that the total water requirement for the mining will be 250 KLD which will be sourced from desalination plant to be proposed in upcoming cement plant in the vicinity.

- The Project Proponent submitted that the total cost of the project shall be Rs. 7525 Crore (Approx.) and the proposed project about 630 persons is will be recruit during construction phase, preference will be given to local workers. During the operation phase, 150 skilled workers- will be directly and 450 persons indirectly will be recruited.

- The Project Proponent submitted that in order to compensate for the potential damage/degradation of Commiphora wightii habitats Adani Cementation Limited(ACL) shall carry out 2.0 ha. of plantation through Kutch-West Forest Division, Bhuj. ACL will financially support to Kutch West Forest Division for improvement of wildlife habitat (Schedule I species) in the forest area. Rs. 453.5 lacs have been estimated for conservation measure under wild life conservation plan which includes provision of Vehicles for patrolling and water supply for wild animals (Tractor with water Tanker).

- The Project Proponent submitted that Mudhway Limestone Mine Block 'C' does not fall under CRZ. Map showing demarcation of LTL, HTL, CRZ and Coastal features w.r.t. Mudhway Limestone Mine Block 'C' and duly authenticated by Institute of Remote Sensing, Anna University submitted.

- The Project Proponent submitted that no court cases were pending against the project or activity.

- The Project Proponent submitted that Eco Sensitive Zone of Narayan Sarovar Wildlife Sanctuary is at ~2.0 km South; Kori Creek (Arabian Sea) is at ~7.5km West; Kali Nadi is at ~3.5km East; Kapurasi Nadi is at ~6.0km West; Mudhway RF is at ~0.5 km South; Kaiyari RF is at ~6.0km SW; and Lakhpat Fort is at ~12.5km NE. It was reported that no important or sensitive species of flora or fauna were found. This project does not involve land protected under any international conventions, national or local legislation for their ecological, landscape, cultural or other related value.

- The Project Proponent submitted that detailed Hydro-geological and Geo physical survey to assess the impact of mining up to conceptual pit limit on sea water ingress towards ground water regime with mitigation measures is conducted between mine and coast during the period from 14th to 18th February, 2020 by recording 30 resistivity soundings along two sections from western boundary of the mine to nearest Kori creek, collection of 20 water samples from the surrounding area and construction of an exploratory bore hole to know the lithology of the area up to depth of 103 metres by M/s Hydro-Geosurvey Consultants Pvt. Ltd., Jodhpur.

- The Project Proponent submitted that the Stage wise reclamation plan of the mine up to the period of conceptual pit limit shall be provided in the environment management plan.

- OB in this deposit is mainly characterized by Top Soil, mix of Sandy soil, Clay, Siltstone and Mudstone.
- The generated top soil will be used for Green belt development simultaneously.
- OB Dumping will be carried out temporarily for which a single dump of 38Ha is proposed.
- Backfilling of temporary dump as well as Concurrent Backfilling shall start from 8th year onwards.

Year	OB/Waste	OB Disposal Method	Top Soil (Mm ³)	Top Soil Disposal Method
1st	1,704	38Ha is earmarked on the Northern part of Block for temporary dumping of OB. Same will be backfilled from 8th year onward.	0,046	No stacking proposed, simultaneous utilization for plantation purposes
2nd	2,5		0,057	
3rd	0,734		0	
4th	0,686		0	
5th	0,021			
up to Conceptual	13,475	Dumping till 8th year and then concurrent backfilling	0.22	
Total	19.12	Nil at the end of Conceptual period	0.32	Nil at the end of Conceptual period

The generated waste will be backfilled till conceptual stage through concurrent as well as from temporary dump re-handling, starting from southern side of ML Area.

The stage wise detailed OB reclamation plan up to conceptual pit has been given below:-

Year	Generate d (in Mm ³)	To Temporary dump (in Mm ³)	OB Reclamation (in Mm ³)			Reclaime d Area (in Ha)
			From Dump	Concurr ent	Total	
1 to 5	5.65	5.65	-	-	-	-
6 to 8	2.90	2.90	-	-	-	-
8 to 10	4.35	-	3.21	4.35	7.56	32.48
10 to 15	6.22	-	5.34	6.22	11.56	79.82
	19.12	8.55	8.55	10.57	19.12	112.30

5th Years Plans showing waste dump creation and systematic reclamation till conceptual plan is enclosed, as per approved mining plan. Summary of Stage wise reclamation plan is as under:-

- Total waste generation envisaged till conceptual period is 19.12 Million cum.
- Total waste available for backfilling envisaged till conceptual period is 24.85 Million cum (Considering 1.3 Swell Factor).
- Total void area envisaged till conceptual period is 112.30 Ha, which will be backfilled with generated OB.
- Total 83.5 Ha, will be developed as green cover including 78.5 Ha, back filled area and 5 Ha, along mine block boundary till conceptual stage of mining.

- The Project Proponent submitted that as per Article-5 of ILO Safety & Health in Mines Convention, 1995 (No.176), Director General of Mines and Safety, India is the competent authority to monitor and regulate the various aspects of Health and Safety in Mines. DGMS has already adopted the ILO standards for occupational health and recommended the implementation of ILO Convention number 176 in mines during 10 & 11th Safety conferences. The following are the occupational health Surveillance in Mining Industry measures proposed by DGMS, which Adani Cementation Limited will implement.

- All chest radiographs of Initial and Periodical Medical Examinations in mines shall be classified for detection, diagnosis and documentation of pneumoconiosis in accordance with ILO classification for pneumoconiosis.
- The PME Medical Officer in every PME centre of mines shall be trained in occupational health and use of ILO classification for pneumoconiosis.
- Operating mechanized mines shall set up an Occupational Diseases Board consisting of one occupational Health Physician, one radiologist and one general physician.

- The Project Proponent submitted that the open pit design has been planned for Mudhway Limestone Mine Block 'C', considering the standard slope geometry and with respect to nearby operating mine, which is approved by Indian Bureau of Mines (IBM):
 - Panandhro Lignite Mine located at about 9km towards SE of proposed mine is safely operating with similar open pit design having overall pit slope of 45 degrees.
 - In general, overall slope angle of 45° is considered to be safe in opencast pit as per Directorate General of Mines Safety (DGMS).

- The Project Proponent submitted that the broad parameters of conceptual mine design are as below:-

- Bench height : 6.0 m (max.) in Overburden & Mineral Both
- Bench width : In Limestone - Optimum In Soil - Optimum In Overburden - Optimum
- Bench slope : In Limestone Strata at 70° In Loose Strata from 35° to 45°
- Ultimate pit slope : ~ 45°

- The Project Proponent submitted that the above bench parameters are planned with following Safety Measures during Mining Operation:-
 - Drilling & Blasting not proposed.
 - Eco friendly mining operation using Surface Miner.

- Using surface miner, pay loaders and dumpers/tippers are safe and steady in operation with minimum dust generation and noise.
- Minimum safe distance of 50m will be kept between surface edge of quarry and nearest public building, roads etc.
- Mining operations within the quarry and outside will be conducted as per the conditions laid down by DGMS and under strict supervision of competent persons appointed under Metalliferous Mine Regulation Act, 1961.
- Bench slopes will be stabilized by using anchor bolts where ever required.
- However, the slope stability study will be carried out as per new MMR guidelines in future.

- The Project Proponent submitted that the assessment of impact of mining of Limestone on migratory bird's path and mitigation plan w.r.t. Mudhway Limestone Mine Block 'C' as supplementary report to existing Ecological Study & Wildlife Conservation Plan for Integrated Cement Plant and Mining at Lakhpat, Kutchh, Gujarat, is prepared based on survey conducted between 5th February 2020 to 7th March 2020 by M/s Bhagvati Enviro Care Pvt. Ltd., Ahmedabad.

- The Project Proponent submitted that M/s Adani Cementation Limited aims to provide following activities to be implemented effectively in the village of the vicinity for socio economic development:-

- Promote supply of quality seeds,
- Promote production of fodder crops,
- Extending fodder cultivation to currently unutilized lands outside ML area,
- Promotion of dual purpose varieties of crops which has the potential of meeting fodder requirements in Season and off-season,
- Promotion of non-traditional fodder,
- Post-harvest technologies for preservation of fodder,
- Promote conservation of fodder by converting crop residues into fodder blocks through use of modern technologies, bailing machines etc.
- Establish silage-making units to preserve surplus fodder for feeding during lean periods.
- Promote cultivation of superior variety of fodder for fodder seed (breeder, foundation and certified seed) production by creating assured market.
- Reduce wastage by encouraging chopping of fodder to promote better utilization.
- Promotion of area specific mineral mixture for livestock feeding to meet specific deficiency of macro and micro-minerals.
- Conducting training program to educate dairy farmers.

Time Bound Action Plan with Budget

Issues raised	Commitment of PP	Action plan	Time line	Budget
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 years	Rs.35 Lakhs. (Rs. 5 Lakhs spent on Fodder Distribution)

- The Project Proponent submitted that Water budget and details on water conservation plan to reduce the water requirement for mine, it has been estimated by modeling that average inflow of ground water in the mine during 1st five years of mining will be around 500m3/day

Mining Year	Water Inflow (m3/day)	Mining Year	Water Inflow (m3/day)
First Year	211.65	Fourth Year	596.31
Second Year	526.53	Fifth Year	546.15
Third Year	616.02	Average	500.00

Out of 500 KLD of mine pit discharge, 225KLD will be used for dust suppression. Rest 275KLD will discharge to the percolation pond/Local seasonal nala.

Water Conservation Measures:-

- No ground water will be used for project activities including mining operations.
- Water will be conserved by means of both natural (Rain Water Harvesting) as well as artificial methods (Percolation Tanks).
- Treated Sewage recycled from Mine Office (15m3/day) will be used for green belt development.
- Ground water inflow in the proposed mine shall be used for ground water recharging through dust suppression and plantation in ML area. Remaining water will be used for ground water recharge through designated percolation pond.
- Tanker mounted water sprinkler will be used for dust suppression of mine roads to utilize 225m3/day.
- 275m3/day will be taken to the nearest percolation pond.
- 8 percolation tanks are proposed to be deepened to accommodate major part of the surface runoff available in study area.

- The Project Proponent submitted that cost estimation for CER Budget has been considered on the basis of Slab rate stated in Ministry's O.M. dated 01/05/2018 are as follows:-

CAPEX Range (Rs. In Crs)		CAPEX	CER%#	Total CER Fund
From	To			(Rs. In Crs)
0	100	100	2.0%	2.0
101	500	133	1.5%	2.0
Total CAPEX of Project		233	1.7%	4.0

#As per Slab rate stated in Ministry's O.M. dated 01/05/2018.

- The Project Proponent submitted that R&R plan for Project affected families of Mudhway Limestone Mine, ACL has adopted State Government R&R Policy as its R&R Policy.

- Land for Land: 145 Ha land identified in Village Panandhro (<2Kms from Project Site) or compensation for Land based on LARR, 2013
- Choice of annuity for safeguarding the interest of entire family.
- One-time assistance for house construction.
- Compensation for cattle shed/petty shops.
- One-time resettlement allowance.
- One time grant artisan, small traders and certain other.
- Subsistence allowance @ Rs. 3000 for 12 months/PDF.
- Transportation cost for shifting of family.
- Stamp duty@ 7.5% and registration fee @1% for land & house to the PAFs.
- R&R proposal in line with R&R policy of Government of Gujarat has been submitted to office of District Collector, Kutch for approval. R&R Compensation Cost (Rs. In Lakhs) for Mudhway Limestone Mine Block 'C'

S. No.	Particulars	Nos.	Rate (Rs. in Lac)	Amount (Rs. in Lac)
1	One time assistance for house construction	17	5.76	97.92
2	Choice of annuity or employment	67	5.0	335
3	Subsistence allowance @ Rs. 3000 for 12 months / PDF	17	0.36	6.12
4	Transportation cost for shifting of family	17	0.50	8.5
5	One time resettlement allowance	17	0.50	8.5
6	Compensation for cattle shed / petty shop	17	0.25	4.25
7	One time grant artisan, small traders and certain others	17	0.25	4.25
8	Stamp duty @ 7.5% and registration fee @1% for land & house to the PAFs			8.32
	Total			472.86

- The Project Proponent submitted that time bound action plan with budget for issues raised during public hearing are as follows:-

Issues raised	Commitment of PP	Action plan	Time line	Budget
Training and Skill development, Local Employment	Skill development of people in project impact area. Promotion of self-working groups Traditional & Cultural Support	Industrial & Tech. skill development - 40 Persons from nearby villages Self-employment training - 40 villagers from nearby villages Employment opportunity to the marginal workers of project impact area based on the relevant skills, experience and Merit	In first 3 years	Rs. 40 Lakhs
Education Support	Development of School infrastructure facilities Student welfare programmes	5 additional rooms at Primary Schools in nearby Villages Technical aid to ITI, Panandhro	In first 3 years	Rs. 70 Lakhs
Health Facilities	Organizing Health camps Provision of Public health center and ICU on wheel	Two nos. of mobile ICU	1st Mobile ICU at start of project and 2nd at commissioning	Rs 50 Lakhs on mobile ICU. Rs. 3 Lakhs already spent on Health Camp and Distribution of Wheelchair and Equipment for differently abled person.
Infrastructure Development	Infrastructure development in project impact area	Deepening of Godhtad Dam. Community Hall - Mudhway Village Rain water harvesting System in 28 Villages Drinking Water arrangement	In first 3 years	Rs. 160 Lakhs.
Environment Protection	Installation of Pollution control equipment Mass plantation	Adequate pollution control devices are envisaged for project area. Mass plantation shall be carried out in project impact Villages.	Considered in Project Cost	
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and Awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 years	Rs. 35 Lakhs. (Rs. 5 Lakhs already spent for Fodder Distribution)
Impact on existing Infrastructure	No community structures such as schools, temples or community halls are getting affected.	R & R activities Compensation for reconstruction Equivalent area of land compensation for land losers	In first 3 years	As per

- After detailed deliberations during 18th EAC meeting held during 22-24 June, 2020, the committee recommended for grant of Environmental Clearance subject to the specific conditions in addition to the standard conditions:

- The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto; and after accepting the recommendation of EAC meeting held during June 22, 23 & 24, 2020, hereby decided to accord the Environmental Clearance (EC) under the provisions thereof to the above mentioned proposal of M/s Adani Cementation Limited for Mudhway Limestone Mine Block 'C' with proposed production capacity of 12 MTPA of Limestone in the mine lease area of 251.9 ha, located at Village: Mudhway, Taluka: Lakhpat, District: Kutch, Gujarat with following additional specific conditions in addition to the standard conditions for this project.

A. Specific Conditions

- As committed by the PP, no road transportation of the limestone shall be allowed from the crusher/Pit-head, to the linked cement plant.
- The PP shall carryout the regular monitoring of the bird movement during the mining operations.
- The PP shall carryout the study on the igress of the sea water upto 110 m through peizo metric well to carry out the mining upto (-) 57 m as proposed or the quarry depth shall restrict to the (-) 50 m.
- The minimum width of terrace of the proposed waste dump shall not be less than 20 m.
- The total excavation shall not exceed 17.08 MTPA, even during the rehanding of the waste dump from the mineralized area for void filling also.
- Plantation shall be carried in 83.50 Ha of lease area at the end of life, interaila, including 5.00 Ha shall be along the boundary of ML area within first two years of commencement of mining operations, species shall be native to the area and selected in consultation with state forest department, and plantation record shall be maintained, gap plantation shall be carried and grassing as per the directions of the Hon'ble SC.
- PP shall implement the recommendation of a need - based assessment study and commitments on the issues raised during public hearing with fund the provision of Rs 4 Crs, as committed under CER. The record for the same shall be maintained and compliance status shall be reported to Regional office periodically along with the compliance report.
- No ground water shall be used for project activities including mining operations.
- No drilling and blasting shall be carried. As per the approved mine plan the mining shall be carried out by using continuous surface miner (CSM) with combination of pay loader and dumpers/tippers.
- All the mitigation measures committed/envisaged in the EIA/EMP report and subsequent submission shall be implemented.

B. Standard conditions

- Statutory compliance
- The EC granted to the project is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/permissions, etc. required to be obtained under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

"IMPORTANT"

Whilst care is taken prior to acceptance of advertising copy, it is not possible to verify its contents. The Indian Express (P) Limited cannot be held responsible for such contents, nor for any loss or damage incurred as a result of transactions with companies, associations or individuals advertising in its newspapers or Publications. We therefore recommend that readers make necessary inquiries before sending any monies or entering into any agreements with advertisers or otherwise acting on an advertisement in any manner whatsoever.



REGIONAL OFFICE : 1st floor, BOB Building, M. G. Road, Rajkot - 360 001. Phone : 0281-2225666, E-mail : recovery.rajkot@bankofbaroda.com

CORRIGENDUM

We are withdrawing the property mentioned/stated as Serial No. 14 to 17 of the E-Auction notice published on 16/07/2020 daily newspaper in "The Indian Express" for E-Auction dated 07/08/2020 under Sarfaesi Act - 2002. The Remaining Terms & Condition, The remaining property which are under E-Auction will be conducted as per published on same condition.

Place : Rajkot,
Date : 05.08.2020

- Authorised Officer,
Bank Of Baroda



GOVERNMENT OF TAMILNADU
HIGHWAYS DEPARTMENT
TIRUNELVELI (CONSTRUCTION AND MAINTENANCE) CIRCLE

TENDER NOTICE

Tender Notice No.08/2020-21/HDO/ dated: 04.08.2020

For and on behalf of the Governor of Tamil Nadu, Percentage tender through online only will be received upto 07.09.2020 at 14.00 hours by the Superintending Engineer (H), C&M, Tirunelveli Circle for CRIDP 2020-21 Works, (Package No.58) pertaining Thoothukudi (H) C&M Division.

Details of works, approximate value of works, EMD, availability of tender documents and all other details are available from 10.08.2020 onwards in the Government website <https://tntenders.gov.in>. If any Changes/Corrections in the tender, it will be published in the above Government website only.

**SUPERINTENDING ENGINEER(H),
C&M, TIRUNELVELI CIRCLE**

DIPR/2928/TENDER/2020



GOVERNMENT OF TAMILNADU
HIGHWAYS DEPARTMENT
COIMBATORE (CONSTRUCTION AND MAINTENANCE) CIRCLE

TENDER NOTICE

TENDER NOTICE NO.11/2020-21/HDO, DT.31.07.2020

For and on behalf of the Governor of Tamilnadu, Percentage tender through online only will be received upto 24.08.2020, 15.00 hours by the Superintending Engineer (H), C&M, Coimbatore Circle for CRIDP 2020-21 Works, (Package No.25, 26, 27) pertaining Udhagal (H) C&M Division.

Details of works, approximate value of works, EMD, availability of tender documents and all other details are available in the Government website <https://tntenders.gov.in> from 07.08.2020. If any Changes/Corrections in the tender, it will be published in the above Government website only.

**SUPERINTENDING ENGINEER (H),
C&M, COIMBATORE CIRCLE**

DIPR/2927/TENDER/2020

**PUNE METROPOLITAN REGION
DEVELOPMENT AUTHORITY, PUNE**

Short EOI Notice No. 4 for FY 2020-21

PMRDA invites short term Emergency Expression of Interest through offline tendering for Procurement of Medical Equipments for 800 Bedded Covid Hospital (600 Oxygenated beds+ 200 ICU beds) at COEP ground, Shivajinagar, Pune

The Expression of Interest (EOI) document can be downloaded from the website: www.pmrda.gov.in from 05 August 2020 at 15.00 Hrs. onwards.

Last date for offline submission of the proposal is 10 August, 2020 upto 11.00 Hrs. Prebid meeting by VC link (<https://meet.google.com/prp-shfr-mhm>) on 07 August, 2020, at 15.00 Hrs.

Opening of Technical bid on 10 August 2020 at 12.00 Hrs. Opening of Financial bid on 10 August 2020 at 15.00 Hrs. Detail information and Changes if any shall be available on www.pmrda.gov.in

(Sd/-) **Vivek Kharwadkar**, Chief Engineer

Pune Metropolitan Region Development, Authority, Pune



ALL INDIA INSTITUTE OF MEDICAL SCIENCES NEW DELHI
Nursing Officer Recruitment Common Eligibility Test (NORCET) 2020

Notice No. 106/2020 Date: 05.08.2020

Online Application is invited for the Nursing Officer Recruitment Common Eligibility Test (NORCET) 2020 for the recruitment of Nursing Officer posts at Level 07 in the Pay Matrix pre-revised Pay Band-2 of Rs. 9300-34800 with Grade Pay of Rs.4600/-, Group-B for AIIMS New Delhi and all new AIIMS, as per available vacancies in the respective AIIMS. Tentative notified vacancies are mentioned in this advertisement as on date of advertisement and are liable to change. (See detailed advertisement on AIIMS website www.aiimsexams.org).

Essential Qualification

- a. B.Sc. (Hons.) Nursing / B.Sc. Nursing from an Indian Nursing Council/state Nursing council recognized Institute or University OR
b. Registered as Nurses & Midwife with State / Indian Nursing Council
- OR
- a. Diploma in General Nursing/Midwifery from an Indian Nursing Council/State Nursing council recognized Institute / Board or Council b. Registered as Nurses & Midwife in State / Indian Nursing Council.

Age Limit: Between 18-30 Years. (As per detail on Age relaxation given in General Conditions subject to age Relaxation as per Recruitment rules of respective AIIMS.) All age shall be counted on the last date of closing of application form.

Number of Vacancies: See detailed advertisement on AIIMS website www.aiimsexams.org

APPLICATION FEES:

- A) General/OBC Candidates - Rs.1500/- (Rupees Fifteen Hundred only)
B) SC/ST Candidates/EWS - Rs.1200/- (Rupees Twelve Hundred only)
C) Persons with Disabilities - Exempted

The On-line applications can be done through AIIMS web site www.aiimsexams.org from 05.08.2020 up to 10.00 P.M.

For essential eligibility criteria, detailed terms & conditions and applying online, please visit the AIIMS website www.aiimsexams.org.

dayp 17112/11/0010/2021

Sd/-
Assistant Controller (Exams)



Aspire Home Finance Corporation Limited

Motial Oswal Tower, Rahimtullah Sayani Road, Opposite ST Depot, Prabhadevi, Mumbai-400025.
Email :- info@ahfcd.com CIN :- U65923MH2013PLC248741

POSSESSION NOTICE (FOR IMMOVABLE PROPERTY/IES)

Whereas the undersigned being the Authorised Officer of the Aspire Home Finance Corporation Ltd. under the Securitisation and Reconstruction of Financial Assets & in compliance of Rule 8(1) of Enforcement of Security Interest Act, 2002, and in exercise of powers conferred under section 13(12) read with Rule 3 of the Security Interest (Enforcement) Rules 2002, issued demand notice/s on the date mentioned against each account calling upon the respective borrower/s to repay the amount as mentioned against each account within 60 days from the date of notice(s)/date of receipt of the said notice/s.

The borrower/s having failed to repay the amount, notice is hereby given to the borrower/s and the public in general that the undersigned has taken possession of the property/ies described herein below in exercise powers conferred on him/her under Section 13(4) of the said Act read with Rule 8 of the said Rules on the dates mentioned against each account.

The borrower/s in particular and the public in general is hereby cautioned not to deal with the property/ies and any dealing with the property/ies will be subject to the charge of Aspire Home Finance Corporation Ltd., for the amount and interest thereon as per loan agreement. The borrower's attention is invited to provisions of Sub-section (8) of Section13 of the Act, in respect of time available, to redeem the secured assets.

Sr. No.	Loan Agreement No./Name of the Borrower/Co Borrower/Guarantor	Demand Notice date & Amount	Date of possession Taken	Description of the Property/ies mortgaged
1.	LXMEH00216-170025317 Mukeshkumar Chelabhai Parmar & Kamalaben Mukeshkumar Parmar	28-05-2018 for Rs.322801/-	31-07-2020	Mikat No.422, Parmar Vas, Nr Gram Panchayat At Tokariya Ta Palanpur, Dist Banaskantha Gram Panchayat 385520 Banas Kantha Gujarat

Place : GUJARAT

Dated: 05-08-2020

Sd/-
Authorized Officer,
(Aspire Home Finance Corporation Ltd.)

Continue from earlier page

- The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
 - The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
 - A copy of EC letter will be marked to concerned Panchayat/local NGO etc. if any, from whom suggestion/representation has been received while processing the proposal.
 - State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
 - The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
 - The Project Proponent shall inform the MoEF & CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
 - Air quality monitoring and preservation
 - The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO_x, CO and SO_x, etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PC/II, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
 - Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metaled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/machinery and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board.
 - Water quality monitoring and preservation
 - In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
 - Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.
 - Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.
 - The Project Proponent shall undertake regular monitoring of natural water course/water resources/springs and perennial nallahs existing/flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
 - Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), dissolved-Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
 - Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
 - Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
 - The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.
- Noise and vibration monitoring and prevention
 - The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
 - The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.
 - The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.
- Mining plan
 - The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP). Query license or any other name.
 - The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
 - Land reclamation
 - The Overburden (O.B.) and waste generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
 - The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
 - The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/compactors thereby ensuring proper filling/leveling of dump mass. In critical areas, use of geo textiles/gee-membranes/clay liners/Bentonite etc. shall be undertaken for stabilization of the dump.
 - Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/River/Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.
 - Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and

above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/silt material. The sedimentation pits/sumps shall be constructed at the corners of the garland drains.

- The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purpose.

VII. Transportation

- The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

VIII. Green Belt

- The Project Proponent shall carryout plantation/afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/Rural development department/Tribal Welfare Department/Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/protected against felling and plantation of such trees should be promoted.
- The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.

IX. Public hearing and human health issues

- The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
 - The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
 - The Proponent shall carry out Occupational health surveillance which is a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17x14 inches and of good quality).
 - The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities, (c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1), Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
 - The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
 - Project Proponent shall make provision for the housing for workers/laborers or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
 - The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.
- Miscellaneous
 - The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
 - The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
 - The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
 - A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.
 - The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data/information/monitoring reports.
 - The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
- The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
 - 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 attracts action under the provisions of Environment (Protection) Act, 1986.
 - 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 Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court of State and any other Court of Law relating to the subject matter.
 - 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.
 - This issues with the approval of Competent Authority.

Yours faithfully,

(Sharath Kumay Palleria) Director/Scientist 'F'

Copy to:

- The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi - 110 001.
- The Secretary, Department of Mines & Geology, Government of Gujarat, Secretariat, Gandhinagar.
- The Secretary, Department of Environment, Government of Gujarat, Secretariat, Gandhinagar.
- The Secretary, Department of Forests, Government of Gujarat, Secretariat, Gandhinagar.
- The Chief Wildlife Warden, Government of Gujarat, Dr. Jivaji Mehta Bhavan, Block No. 14, 1st Floor, Old Sachivalaya, Gandhinagar - 382 010.
- The Additional Principal Chief Conservator of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016, Madhya Pradesh.
- The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum Office Complex, East Arjun Nagar, Delhi - 110032.
- The Member Secretary, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi - 110011.
- The Chairman, Gujarat State Pollution Control Board, Sector 10-A, Gandhi Nagar - 382043, Gujarat.
- The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur - 440 001.
- The District Collector, Devbhoomi Dwarka, District, Government of Gujarat.
- Guard File.
- MoEF&CC Website.

Yours faithfully,

(Sharath Kumay Palleria) Director/Scientist 'F'

"This is a copy of Environment Clearance issued in English and the original copy of the same is available on MOEFCC website. This is in line with directive issued therein and is for information purposes only. In case of a discrepancy, the original Environment Clearance in English will prevail and ACL shall not be liable for any ambiguity arises"

Annexure - 5

No. WLP/T.32/C/ 486 /2019-20
Office of the Principal Conservator of
Forests (Wildlife)
B/1, Aranya Bhavan, Sector - 10/A,
Gujarat State, Gandhinagar,
Phone No. 079-23254125,
Email: - cwlwguj@gmail.com
Date: 29 /01/2020

To,
Shree Umesh Nayak,
Vice President, Corporate affairs,
M/s Adani Cementation Ltd.
Adani House,
56 Srimali Society, Navarngpura,
Ahmedabad-380 009

Sub: - Request for approval of Wildlife Conservation plan for integrated cement plant and Limestone mining of Adani Cementation Limited at village Mudhvay, Maldo, Koriyani and Kapurasin in Tehsil Lakhpat, District Kutch, Gujarat.

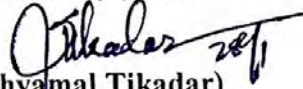
Ref: - Your letter no. ACL/NOC-CWLW-Gandhinagar/LCW/12-19/05, dt. 11.12.2019 and no. ACL/NOC-CWLW-Gandhinagar/LCW/12-19/11, dt. 18.12.2019

Dear Sir,

Vide letter under reference, we have received "Conservation Plan" for integrated cement plant and limestone mining at Lakhpat Kutch, Gujarat through CCF, Kutch for final approval. The said plan is approved in-principally and is under consideration for finalizing the modalities of execution in consultation with local field officers and user agency. Principally we agree with the mitigation measures and activities for conservation of flora and fauna suggested in the plan. The final approval to the conservation plan will be issued as early as possible.

Thanking you,

Sincerely yours,


(Shyamal Tikadar)

PCCF, WL &

Chief Wildlife Warden
Gujarat State, Gandinagar

Annexure – 6

Public hearing concerns related to mining activity to be identified and addressed properly with budget allocation

Public Notice for Public Hearing was advertised in Gujarati daily newspaper, "Kutchmitra" and English daily "The Indian Express" on 22/04/2019.

- The public hearing was conducted by Dr. S.N Agravat, I/c Regional Officer, Gujarat Pollution Control Board, Regional office Kutch-west and representative of Member Secretary, Gujarat Pollution Control Board on 28/05/2019 at 11:00 am at Village-Koriyani, Taluka – Lakhpatt, District - Kutch.
- The public hearing was headed by Smt. Remya Mohan (I.A.S.), District Magistrate and District Collector Bhuj, Kutch and was attended by public and Gram Pradhan of the nearby villages.

Total 28 representative raised issues during Public Hearing, summarized as below:

Issues Discussed	Speaker																												Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
Skill Development/ Employment/ Education	X		X	X	X		X			X	X				X	X			X			X	X	X		X			14	
Health/ Medical	X		X	X	X	X				X			X									X							X	9
Cattle Grazing/ Fodder			X			X						X		X		X	X			X					X				8	
Drinking Water/ Godhatad Dam			X								X	X		X	X		X								X				7	
Infrastructure/ Hospital/ School/ Road		X				X																		X					3	
Pollution			X						X		X																		3	
Green Belt/ Plantation							X				X																		2	
Agriculture Support			X							X																			2	
Revenue for Panchayat			X																										1	

Out of 28 representatives, only one person (Nurmamad Taiyab) from Mudhvay Village has turned out to present the following issues:

- Issue Raised: "They represented that I have got enough fodder the fodder worth 30 thousand has been obtained. 20 cows' dies after that Adani Sir came and they provided fodder, I won't lie to you."
- Fodder required for Mudhvay Village : Around 50 TPA

- Estimated Budget of Fodder (@Rs. 10000/Tonne) : Rs. 5,00,000/- Per Year
- Total Budget for 3 Years : Rs. 15,00,000/-

A need – based assessment study has been conducted and issues raised during public hearing have been addressed to identify the development activities required in the area. Budget allocation for addressing issues raised during Public Hearing:

Activities	Spent Till Today	Year - 1	Year - 2	Year - 3	Total
					(In crores)
Infrastructure development	0.05	0.08	0.48	0.09	0.7
Healthcare development	0.03	0.0	0.22	0.25	0.5
School infrastructure, facilities and support, library, science lab etc.)		0	0.29	0.41	0.7
Skill development		0.1	0.15	0.15	0.4
Water supply		0.3	0.3	0.3	0.9
Contribution to various Govt. Schemes (Swachh Bharat, Skill development etc.)	0.05	0.1	0.1	0.1	0.35
Plantation & Providing Seeds in Community Area		0.15	0.15	0.15	0.45
Total	0.13	0.73	1.69	1.45	4.0

CER Calculation based on Project Cost

Capex Range (Rs. In Crs)		CAPEX	CER% #	Total CER Fund (Rs. In Crs)
From	To			
0	100	100	2.0%	2.0
101	500	133	1.5%	2.0
Total CAPEX of Project		233	1.7%	4.0

As per Slab rate stated in Ministry's O.M. dated 01/05/2018.

Time Bound Action Plan with Budget

Issues raised	Commitment of PP	Action plan	Timeline	Budget
Training and Skill development, Local Employment,	Skill development of people in project impact area. Promotion of self-working groups Traditional & Cultural Support	Industrial & Tech. skill development – 40 Persons from nearby villages Self-employment training – 40 villagers from nearby villages Employment opportunity to the marginal workers of project impact area based on the relevant skills, experience and Merit	In first 3 Years	Rs.40 Lakhs
Education Support	Development of School infrastructure facilities Student welfare programmes	5 additional rooms at Primary Schools in nearby Villages Technical aid to ITI, Panadhro	In first 3 years	Rs. 70 Lakhs
Health Facilities	Organizing Health camps Provision of Public health center and ICU on wheel	Two nos. of mobile ICU	1 st Mobile ICU at start of project and 2 nd at commissioning	Rs 50 Lakhs on mobile ICU. Rs. 3 Lakhs already spent on Health Camp and Distribution of Wheelchair and Equipment for differently abled person.
Infrastructure Development	Infrastructure development in project impact area	Deepening of Godthad Dam. Community Hall – Mudhvay Village Rain water harvesting System in 28 Villages Drinking Water arrangement	In first 3 Years	Rs. 160 Lakhs.
Environment Protection	Installation of Pollution control equipment	Adequate pollution control devices are envisaged for project area.	Considered in Project Cost	

	Mass plantation	Mass plantation shall be carried out in project impact Villages.	In first 3 Years	Rs. 45 Lakhs (For mass plantation)
Agriculture & Animal Husbandry Support.	Contribution in various govt. schemes Scientific support and awareness to local farmers	Fodder distribution during stress period Seed and Fertilizers distribution Financial support to ongoing Govt. schemes	In first 3 Years	Rs. 35 Lakhs. (Rs. 5 Lakhs already spent for Fodder Distribution)
Impact on existing Infrastructure	No community structures such as schools, temples or community halls are getting affected.	R & R activities Compensation for reconstruction Equivalent area of land Land compensation for land losers	In first 3 Years	As per the requirement

Distributed Fodder in draught hit Lakhpat District during August 2018 till upcoming Monsoon Period of 2019 at **total spend of Rs. 5 Lakhs.**

Initiatives already taken by ACL to address concern:

To address **healthcare concern** ACL has -

- Organized **17 health checkup** camps at 15 nearby villages benefiting **2187 persons.**
- **Distributed Equipment, Tricycle & Wheel chair** to differently able people benefitting **18 persons.**
- Arranged **weekly visit of Doctors at PHC,** Dayapar and providing **free medical checkup, medicines.**
- Organized Ayushman Bharat Scheme Golden Card Enrollment Camp in Lakhpat Taluka benefitting 153 persons.
- ACL will continue to arrange for medical camps and other activities to improve health and medical facilities in surrounding area.

Fodder distribution by M/s Adani Cementation Limited



કચ્છમાં અદાણી સિમેન્ટ કંપનીએ કર્બુ ઘાસ વિતરણ



લખપત તાલુકાના ગામડાઓમાં અદાણી સિમેન્ટ કંપની દ્વારા ઘાસનું વિતરણ : ૧૨ ગામડાઓને આપશે ઘાસ

લુજ તા. ૧૨
લખપત તાલુકામાં વરસાદ ન પડતાં તાલુકામાં ઘાસ અને પાણીની વધી રહી તકલીફના કારણે તાલુકામાં પશુપનને બચાવવા માટે તાલુકામાં ઠાંત્તાઓ તેમજ સંસ્થા અને કંપની

જીલ્લા નોંધ

માંડવી સારસ્વત બ્રાહ્મણ મહાસ્થાનની જનરલ મીટીંગ તા. ૧૩-૧૨-૧૯, ૨વીવારે બપોરે ૪ કલાકે સારસ્વત વાડી માંડવી મધ્યે માંડવી-કચ્છ.

દ્વારા ઘાસનું વિતરણ કરવામાં આવ્યું હતું. જેમાં હાલમાં અદાણી સિમેન્ટ કંપની દ્વારા છેલ્લા છ મહિનાથી તાલુકાના કપુરાશી, કોરીયાણી, જુની મુખવાય, મુખવાય નવી, કેયારી, જેવા ૧૨ ગામડાઓમાં અવારનવાર જરૂરત પ્રમાણે ઘાસની ગાંસડીઓ મોકલીને અદાણી સિમેન્ટ કંપની દ્વારા વિતરણ કરાય છે જેમાં જનરલ મેનેજર અલોક ચતુર્વેદીએ જણાવ્યું હતું કે, અહીં હાલમાં અમારી કંપની દ્વારા કોઈ ઉત્પાદન ચાલુ થયું નથી પણ અહીંના સ્થાનિક આગેવાનો અને માલધારીઓ દ્વારા અદાણી કંપની

ઘાસ વિતરણ કરીને ગોવંશને બચાવવા રજૂઆત કરતાં આ કાર્યો જેમાં હાલમાં જેવાજયાં સુધી વરસાદ નહીં થાય ત્યાં સુધી આજીબાજુના ૧૨ ગામડાઓને ઘાસની વ્યવસ્થા અદાણી સિમેન્ટ કંપની દ્વારા કરવામાં આવશે. જનરલ મેનેજર અલોક ચતુર્વેદી જુની મુખવાય ગામની મુલાકાતની સાથે ગાય પાલકોને મળીને ખાત્રી આપી હતી. સામાજિક સેવાના ભાગરૂપે કંપની ઘાસનું વિતરણ કરી રહી છે. કામગીરી માટે કેતન મ્યાગ્રા, સંદિપ ગાયકવાડને જવાબદારી સંભાળી રહ્યા છે.

