

ISO 9001 : 2015, ISO 14001 : 2015 and

ISO 45001 : 2018 Company

CIN : L26942MH1983PLC265166

Anjani Portland Cement Ltd

(A Subsidiary of Chettinad Cement Corporation Pvt. Ltd.)



APCL/Works/ENV/2020-014

25th November, 2020

Director (SEZ)

Ministry of Environment, Forests and Climate Change

Government of India, Regional Office (SEZ)

1st and IInd Floor, Handloom Export Promotion Council

34, Cathedral Garden Road, Nungambakkam, Chennai – 600 034

Dear Sir,

Sub : Submission of Six Monthly EC Compliance & Environmental Monitoring Reports (Apr'20 – Sep'20)– Anjani Limestone Mine IV (15.0 ha) of Anjani Portland Cement Limited at Chintalapalem Village & Mandal, Suryapet District, Telangana State- Capacity of 0.1 million tons of Limestone per annum

Ref : Environmental Clearance granted by SEIAA , Telangana vide Order No. SEIAA/TS/OL/SRPT-01/2017- 3069 dated 3rd Feb, 2017

We submit herewith the **Six Monthly Environmental Clearance Compliance Report** pertaining to our Anjani Limestone Mine IV (15.0 ha) located at Chintalapalem Village & Mandal, Suryapet District, Telangana State for the period from Apr'20 – Sep'20.

The Consent for Establishment and Consent for Operation have been obtained from Telangana Pollution Control Board. Mining activities commenced.

Yours faithfully

For **Anjani Portland Cement Limited**

N Venkat Raju
Managing Director

Encl: Compliance Reports stated as above

Copy to: Director (Industries), MoEF, New Delhi/Director (Non-Coal Mining), MoEF, New Delhi

Member Secretary, CPCB, New Delhi/Scientist 'E' & In-charge, CPCB, Bangalore

Member Secretary, TSPCB, Hyderabad/ICFE ZO-TSPCB, R C Puram/EE, R O TSPCB, Nellore

Corporate Office : # 6-3-553, Unit No.: E3 & E4,

4th Floor, Quena Square, Off Taj Deccan Road,

Erramanzil, Hyderabad - 500 082. Telangana.

T : +91 40 2335 3096 / 3106

E : info@anjanicement.com

Works : Chintalapalem Village & Mandal,

Suryapet Dist. - 508 246. Telangana.

T : +91 08683 230 158,

+91 08683 230 166, 230 168

F : +91 08683 230 024



Regd. Office : A-610, Kanakia Wall Street, 6th Floor, Andheri Kurla Road, Chakala Junction, Andheri East, Mumbai 400093. Contact - 022 62396051 / 62396070

Email: secretarial@anjanicement.com, www.anjanicement.com

ANJANI PORTLAND CEMENT LIMITED

Chintalapalem Village & Mandal, Suryapet District, Telangana State

Anjani Limestone Mine IV

Environmental Clearance (EC) Compliance Report (Apr-20 - Sep-20)

(Environmental Clearance granted by SEIAA, Telangana vide Order No. SEIAA/TS/OL/SRPT-01/2017- 3069 dated 3rd Feb, 2017 for a Mining Capacity of 0.1 million ton per annum, Mining Lease Area of 15.0 ha)

A. Specific Conditions

S.No	Specific Condition	Compliance Status
a) Air Pollution		
i	Wet drilling shall be adopted to control dust emissions. delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.	Wet drilling is being adopted. Controlled blasting technique using delay detonators / shock tube initiation system will be ensured.
ii	While taking afforestation activity under EMP, the project proponent shall develop greenbelt along the boundary of mining lease area and consider giving priority to indigenous and evergreen species having more foliage / green cover to absorb dust and other particles around mining area.	While taking up afforestation activity under EMP, the greenbelt is being developing along the boundary of Mining Lease Area and priority given to indigenous and evergreen species which will have more foliage / green cover to absorb dust and other particles around Mining Lease Area.
iii	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	<p>Fugitive dust emissions from all the sources are being controlled regularly. Water spraying is being ensured on haul roads, loading and unloading points. The tankers used for water sprinkling will be maintained in good condition.</p> <p>As no conveyor system has been planned for transporting Limestone, there will be not be any transfer point which needs water spraying to suppress dust.</p>
iv	The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GoI on 16.11.2009.	The main pollutant from the mining operation is dust. Water spraying is being ensured on haul roads, loading and unloading points to control dust emission. The controlled blasting, which ensures a heaving effect rather than a blast, will help to reduce the dust emission. The Ground Level Concentration of dust will be controlled effectively to comply with NAAQ norms.
v	<p>The following measures are to be implemented to reduce air pollution during transportation of mineral</p> <ul style="list-style-type: none">Roads shall be graded to mitigate the dust emission.	<p>Following measures are being implemented to reduce air pollution during transportation of mineral.</p> <ul style="list-style-type: none">Grading of roads to mitigate the dust emission.

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	<ul style="list-style-type: none"> Crusher platform will be covered with GI sheets to arrest any dust emission. Over filling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin. Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress dust. 	<ul style="list-style-type: none"> Avoiding over loading in terms of weight and volume Covering the materials to be transported in trucks with tarpaulin Sprinkling of water regular interval on the main haul road and other service roads using tankers to suppress dust <p>As there was no crusher at the Mine IV, the need for providing GI sheet to arrest any dust emission is not envisaged.</p>
vi	<p>The following measures are to be implemented to reduce Noise pollution.</p> <ul style="list-style-type: none"> ➤ Proper and regular maintenance of vehicles and other equipment ➤ Limiting time exposure of workers to excessive noise. ➤ The workers employed shall be provided with protection equipment and earmuffs etc. ➤ Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks. 	<p>Following control measures are being implemented to reduce Noise pollution.</p> <ul style="list-style-type: none"> Ensuring proper and regular maintenance of vehicles and other equipment Limiting time exposure of workers to excessive noise Providing personal protective equipment (earmuffs/ ear-plugs) to the employees Limiting the speed of trucks entering or leaving the mine to a moderate speed of 25 kmph to prevent undue noise from empty trucks
vii	<p>Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010 dated 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.</p>	<p>Noise control measures like ensuring silencers for the vehicles and mining machinery, regular maintenance of vehicles and mining machinery, limiting speed of vehicles within the ML Area, developing greenbelt along the boundary of ML Area is being implemented to comply with the norms prescribed for noise level.</p> <p>The employees will be provided with earmuff/ear-plugs .</p>
viii	<p>Fencing shall be provided all around the working mine area.</p>	<p>Fencing provided around mine working area</p>
b) Water Pollution		
i	<p>The source of water is Anjani Limestone Mine-pit water. Total water requirement is 30.0 KLD. Out of that, 10 KLD is used for Dust Suppression; 19.5 KLD is used for development of greenbelt; 0.5 KLD is used for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.</p>	<p>The total water requirement will be limited to 30 KLD. The same is being sourced from Mine I Pit .</p> <p>As Mine IV is situated adjacent to Mine I, the toilet facilities of Mine I are being utilised by the employees of Mine IV.</p> <p>The toilet at Mine I, is provided with septic tank followed by soak pit.</p>

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ii	Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly.	Garland drain/catch drain and of appropriate size will be constructed for the working pit to arrest flow of silt and sediment. The rainwater collected is being utilized for watering the mine area, roads, green belt development etc. The drains are being regularly de-silted, particularly after monsoon and will be maintained properly.
iii	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern, Region, Hyderabad.	Regular monitoring of ground water level and quality is being carried out by establishing a network of existing wells in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected is being submitting at regular interval to MoEFCC, CGWA and CGWB, Southern, Region, Hyderabad & SGWB
iv	Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting.	Suitable conservation measures like garland drains/catch drains to divert and harvest rainwater and the collect the same in the Mine Pit will be provided to augment groundwater resources in the area in consultation with Regional Director, CGWB, Southern Region, Hyderabad.
v	Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.	Not required as Mine IV is adjacent to Mine-I, all the requirements is being fulfilled with Mine-I water requirement.
c) Solid Waste		
vi	Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.	No top soil present in this Mine, hence this condition is not applicable
vii	Separate area shall be demarcated for overburden and refilling.	No overburden is present in this Mine, hence this condition is not applicable
viii	The following measures are to be adopted to control erosion of dumps:- ➤ Retention/toe walls shall be provided at the foot of the dumps. ➤ Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.	As there is no top soil and over burden, the need to store the same in dumps is not envisaged. Hence, this condition is not applicable.
ix	Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments	As the maintenance of the vehicles and the mining machinery used in the Mine is being maintained in the workshop, located outside the Mining Lease Area at Chintalapalem Village, there will not be any water oil generation. Hence, this condition is not applicable.

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S.No	Specific Condition	Compliance Status
	thereof to the recyclers authorized by TSPCB.	

B General Conditions

S.No	General Condition	Compliance Status
i	This order is valid for a period of 20 years or the expiry date of mine lease period issued by the Government of Telangana, whichever is earlier. It was reported that the life of the mine is estimated as 52 years.	Noted.
ii	"Consent for Establishment" & "Consent for Operation" shall be obtained from Telangana State Pollution Control Board under Air and Water Act to carry on mining.	Consent for Establishment has been obtained from Telangana State Pollution Control Board vide Order No. 06/TSPCB/CFE/RO-NLG/HO/2017-381 dated. 25 th Apr, 2017. Consent for Operation has been obtained from Telangana State Pollution Control Board vide Order No.. TSPCB/RCP/NLG/HO/CFO/2017-1898 Dated. 26 th Sep, 2017, valid upto 31 st Aug 2022.
iii	The environment safeguards contained in the EMP Report should be implemented in letter and spirit. The responsibility of implementation of environmental safeguards rests fully with the proponent i.e., M/s. Anjani Portland Cement Limited.	The Air Pollution Control Measures like wet drilling, controlled blasting, water sprinkling, development of greenbelt along the boundary, the water pollution control measures like garland drains/catch drains and sedimentation sumps to ensure removal of solid particles from the rainwater flow, the noise control measures like ensuring silencers for the vehicles and the mining machinery, controlled blasting. greenbelt along the boundary will be ensured as per EMP.
iv	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	Noted.
v	The proponent shall comply with any other conditions stipulated by the Department of Mines & Geology, Government of Telangana and other concerned statutory Authority / Department.	The conditions stipulated by the Department of Mines & Geology, Government of Telangana and other concerned statutory Authority / Department will be complied with.
vi	No change in mining technology and scope of working should be made without prior approval of the SEIAA, T.S. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, Telangana /	No change in mining technology and scope of working will be made without prior approval of the SEIAA, Telangana State. No further expansion or modifications in the mine

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S.No	General Condition	Compliance Status
	MoE&F, GoI, New Delhi, as applicable.	will be carried out without prior approval of the SEIAA, Telangana / MoE&F, GoI, New Delhi, as applicable.
vii	The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoEF&CC, GoI, Chennai on 1 st June and 1 st December of each calendar year.	Half-yearly EC Compliance Report in respect of the terms and conditions stipulated in this order in hard and soft copies is being submitted to the SEIAA, Telangana and CCF, Regional office of MoEF&CC, GoI, Chennai by 1 st June and 1 st December of each calendar year.
viii	Officials from the Regional Office of MoEF&CC, GoI, Chennai who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoEF&CC, GoI, Chennai.	Full cooperation, facilities and the required documents/data Officials will be provided to the Officials from the Regional Office of MoEF&CC, GoI, Chennai during their inspection.
ix	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Four ambient air quality-monitoring stations established in the core zone as well as in the buffer zone. Location of the stations decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets.
x	Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Ambient air quality is being regularly submitted to the Ministry including its Regional Office located at Chennai and the Telangana State Pollution Control Board/ Central Pollution Control Board once in six months.
xi	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.	Personnel working industry areas is being provided protective respiratory devices and the usage of the same is being ensured. They are given adequate training and information on safety and health aspects.
xii	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	No natural watercourse and/or water resources will be obstructed due to any mining operations. No first order stream is originating from the Mining Lease Area.
xiii	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to	Occupational health surveillance program of the workers will be undertaken periodically to find out whether any contraction due to

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S.No	General Condition	Compliance Status
	dust and take corrective measures, if needed	exposure to dust is there. Corrective measures, if needed, will be taken.
xiv	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate environmental management cell with suitable qualified personnel set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
xv	The funds earmarked for environmental protection measures (Capital cost of Rs 4.58 lakhs & Recurring cost of Rs. 2.65 lakhs/annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai.	The funds earmarked for environmental protection measures will be kept in separate account and will not be diverted for any other purpose. Year wise expenditure incurred towards environmental protection measures will be reported to the Ministry and its Regional Office located at Chennai.
xvi	The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copy of the Environmental Clearance has been submitted along with a request to display the same for 30 days from the date of receipt to a. District Collector, Suryapet b. RDO, Kodad c. Chintalapalem Panchyat d. District Industry Centre, Suryapet
xvii	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, Telangana.	Advertisement published in two local newspapers widely circulated viz., Eenadu dated 24 th Feb, 2017 in Telugu and The Hindu dated 24 th Feb, 2017 in English informing the public that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Telangana State Pollution Control Board and SEIAA, Telangana. The copies of advertisement published have been submitted to Telangana State Pollution Control Board and SEIAA, Telangana on 28.02.2017.
xviii	The proponent shall obtain all other mandatory clearances from respective departments.	All other mandatory clearances from respective departments will also be obtained.
xix	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Noted.
xx	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
xxi	Concealing the factual data or failure to comply	Noted.

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S.No	General Condition	Compliance Status
	with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	
xxii	The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
xxiii	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.	Noted.

for Anjani Portland Cement Limited



N Venkat Raju
Managing Director