

Deccan Cements Limited, Bhavanipuram Lime stone Mine -2, Mahankaligudam
Palakeedu, Suryapet(Dist). Telangana-508218
MoEF No: J-11015/497/2007-IA II (M) dated 18.10.2007

DECCAN CEMENTS LIMITED



WORKS : BHAVANIPURAM,
JANPAHAD (Post), PIN : 508 218
PALAKAVEEDU (Mandal),
SURYAPET Dist. (T.S.)
Phones : 08683 - 229503, 229504
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CIN : L26942TG1979PLC002500
Website : www.deccancements.com

DCL: PQC: MOEF: SVP/ CHE/ML 2:2018

Date:29.11.2018

To

Additional Director,
Government of India,
Ministry Of Environment, Forests & Climate Change
Regional Office (Southeastern zone),
1st & 2nd Floor, HEPC Building, No.34,
Catherdral Road, Nungambakkam, Chennai-600034
Tel No 044-28222325,roefccc@gmail.com

Dear Sir,

Sub: Submission of status of compliance for the period April -2018 to September- 2018
Ref: MoEF No.J-11015/497/2007-IA II(M) dated 18.10.2007

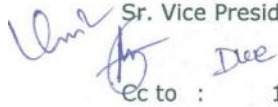
We are herewith enclosing the Status of Compliance to Environmental Clearance accorded by Ministry of Environment and Forest & Climate Change, vide MoEF No.J-11015/497/2007-IA II(M) dated 18.10.2007 to Deccan Cements Limited for Bhavanipuram Limestone Mine - 2 (73.93 Ha) as per the "B General conditions vide No (V)" along with enclosures.

We will be pleased furnished any other information as desired by you

Thanking you,

Yours faithfully
For Deccan Cements Limited


S Venkateswarlu
Sr. Vice President (Works)


Cc to : 1. HO.TSPCB,
2. ZO, CPCB

Regd Office: "Deccan Chambers", 6-3-666/B, Somajiguda, Hyderabad - 500 082.
Phones : 23310168, 23310552, 23310561, 23310599, Fax : +91(40) 23318366 Grams : SETVEL

Status of Environmental Clearances received from MOEF vide MoEF No.J-11015/497/2007-IA II(M) dated 18.10.2007-Bhavanipuram Limestone Mine – 2 (73.93.11 Ha), as on September 2018

1. Compliance reports are enclosed herewith for all the conditions stipulated by MOEF.
2. Next report will be sent in the month June 2019 enhanced mining operations.

A. Specific Conditions

Conditions	Compliance Status
(i) Forest clearance for diversion of forest land under the Forests (Conservation) Act, 1980, shall be obtained	Complied Necessary clearances from Forest department have been obtained.
(ii) Action plan for abatement and compensation for damages to agricultural land/ common property land (if any) due to mining activity shall be submitted to the Ministry within six months.	Not applicable as the total mining area is under reserve forest and covered by the conditions of the Forests (Conservation) Act 1980.
(iii) Water quality both for surface as well as ground water in the core zone shall be regularly monitored and records maintained. In case contamination is observed, measures for control and action taken shall be reported to the state government as well as the Ministry.	Water quality is monitored by external agency on quarterly basis and the data is available. If any contamination is found, it will be reported to the State Government and the Ministry without fail. Water analysis reports enclosed
(iv) Water bodies shall be developed and utilized to develop pisciculture by organizing Fishermen co-operative society with the land losers(if any) and specially the poorer section as members of such society with initial financial assistance in the form of share money and managerial assistance so that the members themselves can run the affairs of the society in due course. The project proponent shall arrange marketing tie up so that the society gets fair price of their product and the profits are equitably shared by the members of the society as regular source of income.	Not applicable as the mining operations are still in progress.
(v) Action taken report on issues raised during public hearing shall be submitted to the Ministry and the State Govt., within six months	Complied Issues covered under public hearing and the remedies addressed have been implemented.
(vi) Occupational health and safety measures for the workers including training on malaria eradication, HIV, health effects on exposure to mineral dust etc., shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational	Under a qualified Doctor's supervision full time occupational health centre in operation. The doctor who is trained in occupational health surveillance carries out the training program and safety workshops to the

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<p>health surveillance. Records of the health of the workers shall be maintained.</p>	<p>employees to prevent and eradicate the diseases like. HIV, Malaria and health effects on exposure to mineral dust etc... Periodical medical checkup of the all workers are conducted and health records are maintained.</p>
<p>(vii) Top soil/solid waste (if any) shall be stacked properly with proper slope with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.</p>	<p>No top soil is available in the mining area, since limestone is out cropped. Small pockets soil is available which preserved for plantation purpose. No waste is generated or stored in mines.</p>
<p>(viii) Over burden (if any) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferable be of 10 m and overall slope of the dump shall not exceed 28°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests on six monthly basis.</p>	<p>Not Applicable “There is no overburden in the mines, Mineral is outcropped”.</p>
<p>(ix) Garland drains shall be constructed to arrest silt and sediment flows from soil, and mineral dumps. The water so collected shall be utilized for watering the mine area roads, green belt development etc. The drains shall be regularly de-silted particularly after monsoon and maintained properly. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rain fall (based on 50 years data) and maximum discharge in the adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of slit material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.</p>	<p>Complied Garland drain of appropriate size, gradient and length is constructed for mine pit. It is regularly de-silted particularly after monsoon and maintained properly. The water is being harvested in the mine pit and used for watering the mine roads and green belt development.</p>

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(x) Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.	As per IBM approved mining plant mining activities are carried out validity of mining plan is up to 2020.
(xi) Drilling and blasting (if any) shall be conducted by using dust extractors/wet drilling.	Wet drilling is being carried out and blasting is carried out by using in hole delay initiation system (Excel/Nonel).
(xii) Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Plantation shall be raised in 27.32 ha around the ML area, haul roads, OB dump sites etc., the density of the trees shall be around 2500 plants per ha. The company shall involve local people with the help of self help group for plantation programme.	Development of green belt is being carried out as per the approved plan of IBM, and also in consultation with Pollution Control Board & Forest Department. Total Green belt development is 21.95 Ha and Total sapling planted 25,230
(xiii) The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	We have interacted with officials of the Regional Director's Office, Central Ground Water Board and following their advice.
(xiv) Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and construction new piezo meters during the mining operation. The monitoring shall be carried out four times in a year – pre monsoon(April-May), monsoon (August), post –monsoon (November) and winter (January) and the data thus collected shall be regularly sent to MOEF, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Ground water Monitoring is carried enclosed reports. Annexure-1
(xv) Prior permission from the competent authority shall be obtained for extraction of ground water, if any.	Not applicable as Water is drawn from Krishna river we have permission from Krishna River Board & Irrigation department
(xvi) Vehicles used for transportation of ores and other mining operations shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of ores. Transporting of ores shall be done covered with tarpaulin or other suitable enclosures so that no dust particles/fine matters escape during the course of transportation. No	All vehicles deployed in mining operation are having valid permit as per Central Motor Vehicle Rules, 1989 and its amendments. All these vehicles are plying under proper supervision.

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overloading of ores for transportation shall be undertaken.	
(xvii) A final mine closure plan, along with details of Corpus fund, shall be submitted to the Ministry of Environment & Forests, 5years in advance of final mine closure for approval.	Note and will be implemented at appropriate time.

B.GENERAL CONDITIONS:

Conditions	Compliance Status
(i) No change of mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	No change in mining technology and scope of working will be made without prior permission.
(ii) No change in the calendar plan including excavation, quantum of mineral, limestone and waste shall be made	No change in mining technology and scope of working will be made without prior permission.
(iii) Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	Protection of flora and fauna is done as per advice of forest department. See Annexure
(iv) Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ , NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring of monitoring should be undertaken in consultation with the State Pollution Control Board.	Ambient air quality is monitoring stations are established in the core zone and buffer zone as per the recommendation of the PCB. M/S Lawn Enviro, Hyderabad is monitoring ambient air quality on regular basis. Data is submitted once in three months to PCB, Nalgonda.
(v) Data on ambient air quality (RSPM, SPM, SO ₂ , NO _x) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/Central Pollution Control Board once in six months.	These reports are being submitted regularly to Regional Office, Chennai and to the state & central pollution control boards.
(vi) Fugitive dust emissions from all the sources shall be	Dedicated water tanker is provided to spray

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controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	water on haul roads to control fugitive emissions and also water spray is provided at unloading hopper and various transfer points at crusher. Dust collectors have been proved at transfer points to control the emission.
(vii) Measures shall be taken for control of noise levels below 85 dBA in the working environment. Workers engaged in operations of HEMM, etc. Shall be provided with ear plugs/muffs.	Noise level is under control and the workmen are provided with ear plugs/muffs all them are equipped with PPE gear.
(viii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	No industrial waste water is encountered in the mining area. The waste oil and grease trap is installed in the work shop.
(ix) Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.	Personal Protective Equipment Gear is provided to all workmen and adequately trained under mines vocational and training rules, 1966 provided periodically
(x) A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	A separate cell is constituted to manage the environmental activities, which is enclosed herewith.
(xi) The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied.
(xii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purposes. Year wise expenditure shall be reported to Ministry and its Regional Office at Bangalore.	Separate fund is earmarked for environmental protection activities. Expenditure incurred will be intimated at the closure of financial year.
(xiii) The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted and will be followed
(xiv) The Regional Office of the Ministry, Bangalore	All data will be furnished during the

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shall monitor compliances of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	monitoring of mine by the Regional Office.
(xv) A copy of clearance letter will be marked to concerned Panchayat /local NGO, if any, from whom suggestion/representation has been received while processing the proposal	Complied.
vi) State Pollution Control Board shall display a copy of the clearance letter at the Regional Office. District Industry Centre and Collector's office/ Tehsildar's office for 30 days.	Complied.
(xvii) The project authorities shall advertise 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 copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of same shall be forwarded to the Regional Office of the Ministry located Bangalore.	Complied

Environment Management Cell- As on: 01.04.2018.

1. S.Venkateswarlu, Sr.Vice President (works) : Chairman
2. D. Kalyan Chakravarthy, Chief.Manager (Mines) : Coordinator
3. V Gopal Krishna, Manager (CPP) : Member
4. M Suresh Kumar, Manager (PQC) : Member
5. A Ram Babu, Geologist : Member

Annexure-1

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Pre Monsoon

Sl No	Borewell Indentify	Location	GW Levels in Mt	Water Quality			
				P ^H	EC	TDS	TH
1	GWMW-1	Northern Direction	51.45	7.70	330	208.5	110
2	GWMW-2	Eastern Direction	51.90	7.63	470	293.0	120
3	GWMW-3	Southern Direction	53.30	7.61	370	238.0	126
4	GWMW-4	Western Direction	51.62	7.90	340	207.5	160

Monsoon

Sl No	Borewell Indentify	Location	GW Levels in Mt	Water Quality	Sl No	Borewell Indentify	Location
				P ^H			
1	GWMW-1	Northern Direction	53.73	7.22	400	260.5	116
2	GWMW-2	Eastern Direction	53.70	6.94	720	255.0	108
3	GWMW-3	Southern Direction	57.90	7.04	390	250.0	128
4	GWMW-4	Western Direction	52.32	7.90	340	217.5	160

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Post Monsoon

Sl No	Borewell Indentify	Location	GW Levels in Mt	Water Quality	Sl No	Borewell Indentify	Location
				P ^H			
1	GWMW-1	Northern Direction	55.00	7.84	351	228.2	117
2	GWMW-2	Eastern Direction	54.74	7.78	482	312.0	116
3	GWMW-3	Southern Direction	57.25	7.84	392	256.0	132
4	GWMW-4	Western Direction	53.02	7.89	352	227.6	163

Winter

Sl No	Borewell Indentify	Location	GW Levels in Mt	Water Quality	Sl No	Borewell Indentify	Location
				P ^H			
1	GWMW-1	Northern Direction	52.95	7.86	341	225.0	115
2	GWMW-2	Eastern Direction	53.00	7.76	483	210.0	116
3	GWMW-3	Southern Direction	55.50	7.90	392	252.3	132
4	GWMW-4	Western Direction	51.32	7.90	351	227.0	163