

M/s Deccan Cements Limited, Bhavanipuram,Janaphad,
Palakeedu, Suryapet. Telangana-508218
MoEF No: J-11011/572/2007-IA II(I) Dated 27.12.2007

DECCAN CEMENTS LIMITED



WORKS BHAVANIPURAM,
JANPAHAD P.O., PIN: 508 218,
Suryapet, DIST. (TS)
Phones : 08683 - 229503, 229504
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CIN : L26942TG1979PLC002900
Website : www.deccancements.com

DCL: PQC: MOEF: SVP/ CHE/ML 2:2017

Date: 29.05.2017

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 Sept 2016 to March 2017
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 for Bhavanipuram Limestone Mine - 2 (73.93 Ha) as per the condition B General conditions vide No (V) along with enclosures.

This is for your kind information and records

Thanking you,

Yours faithfully
For M/s Deccan Cements Limited

S Venkateswarlu
Sr. Vice President (Works)

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-1101/572/2007-IA II(I) dated 27.12.2007- Cement Plant and CPP, April - 2017.

- i) Compliance report is enclosed herewith for all the conditions stipulated by MoEF &CC.
- ii) Next report will be submitted in the Month of December-2017

A. Specific Conditions:

<u>Conditions:</u>	<u>Compliance:</u>
(i) Electrostatic precipitators(ESPs) to clinker cooler, AFBC boiler, cyclones to preheaters and reverse air bag house to raw mill/kiln and bag filters to lime stone crusher, coal mill, cement mills places shall be provided to control air emissions from various sources. No _x burners shall be installed to reduce No _x emissions. Continuous monitoring system to monitor gaseous emissions shall be provided and limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Monitoring data shall be submitted to Ministry's Regional Office at Bangalore, APPCB and CPCB regularly.	Complied Electrostatic precipitator is provided to clinker cooler and AFBC boiler. RABH is provided to Raw Mill/Kiln and bag filters are provided at Coal Mill, Cement mill and Crusher areas. Multichannel burner and low No _x burners are provided in the kiln to minimize No _x emissions. Online Continuous monitoring systems are provided in the Stacks and the real time data is uploaded to the TSPCB server & CPCB. Apart from this, periodically third party monitors emission level in stacks and ambient air quality. The Stack emissions are within the 50 mg/Nm ³ and up-gradation is under progress to 30.mg/Nm ³ . The monitoring data is submitted to MoEF, RO, TSPCB and CPCB regularly.
(ii) Total water requirement from the Krishna River shall not exceed 355 M ³ /day. All the treated waste water shall be recycled and reused in the process and/or for dust suppression, green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic effluent treated in septic tank followed by soak pit and used for green belt development within the plant and	Complied We are drawing water from Krishna River. And there is no treated effluent. Domestic waste water i.e. Colony and Canteen water is treated in the STP (Sewage Treatment Plant) and treated water is used for green belt development.

colony area.	
(iii) All the dust collected from the pollution control equipments shall be recycled back into the process. All the fly ash and bottom ash generated from the CPP shall be used in production of Pozzolona Portland Cement (PPC). Bottom ash shall be used as bed material in the boiler. Hazardous waste viz. spent oil from gear boxes and automotive batteries etc. shall be properly stored in designated area and sold to authorized recyclers / reprocesses.	Complied All the dust collected from the Pollution control equipments is reused in the process. The fly ash from CPP is pneumatically transported to the fly ash silo through closed pneumatic circuit and used in production of Portland pozzolona Cement.. All lead acids batteries and lubricants are procured from suppliers under the buyback scheme only. Hazardous waste viz. spent oil from gear boxes and automotive batteries etc. are properly stored in designated area and sold to authorized recyclers / reprocesses.
(iv) An effort shall be made to use high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly. Efforts shall also be made to use low grade lime, more fly ash and solid waste in the cement manufacturing	Complied Deccan Cement Limited is modern dry process plant designed by M/S KHD Humboldt with all requirements as such to incinerate the hazardous waste in the kiln as the burning zone temperature is maintained above 1400 ⁰ C. Adequate hazardous waste is not available for continuous operation.
(v) Green belt shall be developed in at least 18 ha (33%) out of total 53.8 ha land in consultation with the local DFO as per the CPCB guidelines.	Complied Deccan Cements is required to maintain green belt over an area 18. Ha out of 53.8 Ha land for the project consisting of plant area & colony. Already developed Green belt. Additional plantation taken up as a part of Haritha Haram in 2016-17 . 8000 saplings are planted in this year.
(vi) Permission and recommendation of the State Forest Department shall be obtained regarding impact of proposed plant on surrounding reserve forests viz.Ravipahad RF(adjacent), Saidulnama RF(adjacent), Wazirabad RF(4.4.km), Pasupula bodu RF(4.2 km), Madinapadu RF(2.3 km) and Gamalapadu RF(2.3km).	Complied Clearance under Forest conservation Act, 1980 was obtained and all the recommendations are implemented to minimize the impact on surrounding RF areas.

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B. General Conditions:

Conditions:

Compliance:

(i) The project authority shall adhere to the stipulations made by T.S. Pollution Control Board (TSPCB) and State Government.

Complied
CFO from TSPCB has been obtained and valid up to 31st December 2017. The conditions stipulated are being implemented.

(ii) No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.

We have applied for the expansion Clinker from 1.0 MTPA to 1.20 MTPA and CPP from 15 MW to 18 MW waiting for the approval from the Ministry.
We have received Environmental Clearance from Ministry vide No J-11011/572/2007- IA.II(I) dated 11th May2017.

(iii) The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the T.S. Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed TSPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.

TSPCB standards are being maintained. Interlocking facility is provided to all pollution control equipment in the process so that in the event of the pollution control not working, the respective unit(s) will be down automatically.

(iv) One ambient air quality monitoring station installed in downwind direction, one in the upwind direction and one shall be installed in other direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the state authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with TSPCB and report submitted to the TSPCB quarterly and to the Ministry's Regional Office at Chennai half yearly.

Ambient air quality is monitored up wind, downwind directions and middle stream is also installed continuous monitoring of ambient air quality is monitored. Third party monitoring is carried out on regular basis. The monitored data are submitted once in three months to TSPCB, Nalgonda and MoEF, RO once in six months

Three AAQM stations and online continuous monitoring systems are in operation with all stacks and real time data is uploaded to TSPCB and CPCB.

<p>(v) The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas shall be carried out to control fugitive emissions. Storage of raw material shall be in closed roof sheds. A closed clinker stockpile system shall be provided. Limestone shall be transported from Captive mine to the plant site by the belt conveyors to control spillage of dust and fugitive emissions.</p>	<p>Complied Measures implemented to control fugitive emissions are:</p> <ul style="list-style-type: none"> a) <i>All the transfer points are provided with dedicated dust collectors.</i> b) <i>A closed silo is available for clinker storage.</i> c) <i>All connecting internal roads are concreted and vacant areas in the machinery and open areas are concreted</i> d) <i>Mobile water tankers are available to spray water on internal roads, loading and unloading areas and coal yard.</i> e) <i>Covered shed for raw materials are provided for Iron Ore, Gypsum, Laterite and coal for 30 days stock. However it is proposed to extend the covered sheds to provide for excess arrivals.</i> f) <i>ML-2 Pit is Adjacent to the plant because of this conveyer belt is cannot be used and water tanker are used to suppress the fugitive emissions.</i>
<p>(vi) All the recommendations of the Corporate Responsibility for Environment Protection (CREP) shall be strictly followed.</p>	<p>CREP recommendations are implemented strictly and also followed the modifications time to time.</p>
<p>(vii) The company must harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve water.</p>	<p>The area is known to be draught prone Rain water is harvested by collecting from the nalas provided and stored in abandoned mine pits for usage for dust suppression and green belt development.</p>
<p>(viii) The company shall undertake eco-development measures and community welfare measures in the project area.</p>	<p>DCL is providing schooling & medical facilities to the surrounding villages. Free medical camps are conducted from time to time.</p>
<p>(ix) The overall noise levels in an around the</p>	<p>As prescribed in the Environmental (Protection)</p>

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<p>plant area shall be kept well within the standards(85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz 75 dBA(daytime) and 70 dBA(night time).</p>	<p>Act rule 1986 and 1989 the norms are maintained strictly.</p>
<p>(x) Proper housekeeping shall be taken up. Regular annual medical examination of all the employees shall be carried out from the occupational health point of view and records maintained.</p>	<p>Complied and enclosed consolidated medical examination reports of all the employees.</p>
<p>(xi) A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.</p>	<p>Complied A separate cell is constituted to manage the environmental activities.</p>
<p>(xii) As proposed in EIA/EMP, Rs.40.00 Crores earmarked towards environmental pollution control measures for the cement plant shall suitably used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.</p>	<p>The allocated fund will be spent only to implement environmental condition and improve the pollution control measures. Rupees 29,34,201/-</p>
<p>(xiii) The Regional Office of this Ministry at Bangalore/CPCB/APPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly</p>	<p>Complied Six monthly compliance reports and the monitoring data along with statistical interpretation is being submitted on regular basis.</p>
<p>(xiv) The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the A.P. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the</p>	<p>Complied.</p>

Regional office at Bangalore.

Deccan Cements Ltd.,

Environment Management Cell - As on 01.04.2017.

- | | |
|--|---------------|
| 1. S.Venkateswarlu 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. P.Narashimha Rao, Sr.Engineer (Process) | : Member |



TELANGANA STATE POLLUTION CONTROL BOARD
 Paryavarana Bhavan, A-3, Industrial Estate,
 Sanathnagar, Hyderabad - 500018

Ph: 040-23887500
 Fax: 040- 23815631
 Website: tscpb.cgg.gov.in

CONSENT & AUTHORISATION ORDER

//BY REGISTERED POST WITH ACKNOWLEDGMENT DUE//

Consent Order No : TSPCB/RCP/NLG/CEO&HWA/HO/2016-2168 Date: 29.02.2016

[Consent Order for operation of the plant for the Existing discharge of sewage and/or trade effluents under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and amendments thereof for discharge of air emissions under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and Amendments thereof and Renewal of Authorization under Rule 5(4) of the Hazardous Wastes (Management, Handling and Transboundary movement) Rules, 2008 and Amendment Rules, 2009).

CONSENT is hereby renewed under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974, under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and rules made thereunder. Authorization under Rule 5(4) of the Hazardous Wastes (Management, Handling and Transboundary movement) Rules, 2008 and Amendment Rules, 2009 is renewed.

M/s Deccan Cements Ltd.,
 Bhavanipuram, Janapahad (V),
 Nereducherla (M),
 Nalgonda District.
 E-Mail: venkat.s@deccancements.com

(hereinafter referred to as 'the Applicant') authorized to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

1) Out lets for discharge of effluents:

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Method of Treatment and Disposal
1.	Power Plant		Into ETP and the treated water to be used for dust suppression or reuse in cement plant / gardening.
	Filter back wash	5	
	DM Plant regeneration	5	
	Cooling water system makeup	312	
	Boiler feed	15	
	Service water wash	10	
	Clarifier blow down	8	
2.	Domestic effluents after treatment in the STP (Plant) - 164 KLD + Domestic (Slag Cement Division) - 29.6 KLD	193.6	Treatment in the Sewage Treatment Plant (STP) followed by onland for gardening /plantation within the plant premises.
TOTAL		548.6 KLD	

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ii) Emissions from Chimneys:

Unit-1

Plant Division:

Chimney No	Description of chimney	Quantity of emissions at peak flow nm ³ /hr
1	Attached to Rotary Kiln & Raw Mill - I	232000
2	Attached to Raw Mil. - II	70000
3	Attached to Cooler	171000
4	Attached to Coal Mill	18000
5	Attached to Cement Mill-1 & 2	45000
6	Attached to packing plant	27000
7	Attached to 4 x 1000 KVA + 515 KVA DG sets	--

Unit-II

Slag Cement Division:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow Nm ³ /hr
1.	Attached to Clinker Gypsum & Slag Hopper tops	11,000
2.	Attached to Conveyor, Bulk Elevator Feeder	11,000
3.	Attached to Air slider & Screw Samples	8,000
4.	Attached to Bag filter for Vertical Roller Mills (VRM)	2,00,000
5.	Attached to Raw mill/kiln - 3030 TPD	620000
6.	Attached to Cooler - 3030TPD	500000
7.	Attached to Cement mill - 150 TPH	252000
8.	Attached to Coal mill - 30 TPH	120000
9.	Attached to Boiler - 70 TPH (Power Plant)	133200
10.	Attached to DG Set - 400 KVA	-

HAZARDOUS WASTE AUTHORISATION (FORM - II) [See Rule 5 (4)]

- Number of Authorization and date of issue - TSPCB/RCP/NLG/CFO&HWA/HO/2016-
Date: 29.02.2016.
- M/s Deccan Cements Ltd., Janpahad (V), Nereducherla (M), Nalgonda District is hereby granted an authorisation to operate a facility for collection, reception, storage, transport and disposal of the following wastes with quantities as below:

• HAZARDOUS WASTES WITH RECYCLING OPTION:

S.No	Name of the Hazardous waste	Stream	Quantity of Hazardous waste	Disposal Option.
1.	Waste Lubricating Oil	5.1 of Schedule - I	2379.2 lt/year	Authorized Reprocessors / Recyclers.
2.	Waste Grease	5.1 of Schedule - I	550 Kgs / year	Sent to authorized Reprocessors / Recyclers.
3.	HFO sludge	5.2 of Schedule - I	50 kg/year	
4.	a. Power Plant -Fly ash	----	90 TPD	Used for PPC production
	b. Power Plant - Bottom Ash		22 TPD	Used for PPC production.

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This consent order is valid for manufacture of the following products along with capacities only.

Unit-1
Cement Division

S.No.	Products	Capacity in CFO	Quantity
1.	Cement*	900 TPD	0.30 MTPA
2.	Clinker	1450 TPD	0.50 MTPA

*-The Cement production of 0.3 MTPA is produced from permitted Clinker production of 0.50 MTPA.

Unit-2
Slag Cement Division

S.No.	Products	Capacity in CFO	Quantity
1.	Cement**	5450 TPD	1.50 MTPA
2.	Clinker	3030 TPD	1.00 MTPA
3.	Power generation	15 MW	15 MW

** - The Cement production of 1.5 MTPA is inclusive of 1.00 MTPA of Clinker production.

This order is subject to the provisions of 'the Acts' and the Rules' and amendments made there under and further subject to the terms and conditions incorporated in the schedule A, B and C enclosed to this order.

This combined order of Consents and Authorization is valid for a period ending with the 31st day of December, 2017.

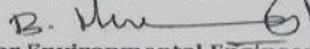
Sd/-
MEMBER SECRETARY

To
M/s Deccan Cements Ltd.,
Bhavanipuram, Janpahad (V),
Nereducherla (M),
Nalgonda District.

Copy to :

1. The JCEE, Zonal Office, RC Puram for information and necessary action.
2. The EE, Regional Office, Nalgonda for information and necessary action.
3. The SEE (Cess), TSPCB, Hyderabad for information.

//T.C.F.B.O//

B. 
Senior Environmental Engineer