Deccan Cements Limited

ENVIRONMENT



Bhvanipuram, Palakeedu(Mandal), Suryapet(Dist)

Telangana-508218

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డెక్కన్ సిమెంట్స్ లిమిటెడ్



నాణ్యత, పర్యావరణ, ఆరోగ్య మరియు భద్రత సిద్ధాంతము

మేము మా శ్రేయోభిలాషుల విలువలను పెంచుటకు మరియు స్థిరమైన అభివృద్ధిని ఈ క్రింది విధానములతో సాధించుటకు కట్టుబడి ఉన్నాము;

- మా వినియోగదారుల సంతృప్తి మేరకు స్థిరమైన మరియు నాణ్యత కలిగిన సిమెంటును తయారు చేయుట మరియు సరఫరా చేయుట ;
- కాలుష్యమును నివారించి పర్యావరణమును కాపాడుట ;
- వృత్తిపరమైన అనారోగ్యం మరియు అభద్రతల నివారణకు సురక్షితమైన మరియు ఆరోగ్యకరమైన పని పరిస్థితులను కల్పించుట ;
- ప్రమాదాల నివారణకై వృత్తిపరమైన ఆరోగ్య భద్రత ప్రమాణములను పెంపొందిస్తూ ప్రమాద అవకాశాల పరిమాణాన్ని పూర్తిగా తగ్గించుట ;
- సంస్థ ఉన్నతికై సంస్థ తరపున సలహాలు, సంప్రదింపుల భాగస్వామ్యం పెంపొందించటం ద్వారా సంస్థ అభివృద్ధి ప్రమాణాలను మరింత మెరుగుపర్చడం ;
- పర్యావరణ, ఆరోగ్యం మరియు భద్రతకు సంబంధించిన " చట్టపరమైన" మరియు ఇతర "అవశ్యకతలను" పూర్తి స్థాయిలో నెరవేర్చుట ;
- నాణ్యత, పర్యావరణ, ఆరోగ్యం మరియు భద్రతా యాజమాన్య పద్ధతులను నిరంతరం అభివృద్ధి పరుచుము, తద్వారా సంస్థలో వాటి ప్రమాణాలను మెరుగుపరుచుట ;
- నాణ్యత, పర్యావరణ, ఆరోగ్యం మరియు భద్రత నియమ నిభంధనలను నిరంతరం అమలు పరుస్తూ వాటిని సంస్థ వ్యాపార కార్య కలాపములతో అనుసంధానించుటా అభివృద్ధిని సాధించుట ;
- సంస్థాగత సామాజిక బాధ్యత తో కూడిన అభివృద్ధి కార్యక్రమాల ద్వారా చుట్టు ప్రక్కల సమాజం యొక్క అభివృద్ధి నాణ్యతను అభివృద్ధి పరచుట.

ఈ సిద్ధాంతము సంస్థలో వున్న వారందరికి తెలియచేయటమైనది మరియు సంస్థతో ముడిపడిన వారికి అందులాటులో వుండటమైనది

P. Parvathi

తేది:01.10.2020

మేనేజింగ్ డైరెక్టర్

F. No. J-11011/572/2007-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: sharath.kr@gov.in
Tel: 011- 24695319

Dated: 11th May, 2017

To

M/s Deccan Cements Ltd.
Village Mahankaligudem, Bhavanipuram
Mandal Nereducherla, PO Janphad
District Nalgonda, Telangana

Subject: Increase of Clinker Production (1.0 MTPA to 1.20 MTPA) by modification in Cement Plant and increase in power generation (15 MW to 18 MW) by M/s Deccan Cements Ltd. located at Village Mahankaligudem, Mandal Nereducherla, District Nalgonda, Telangana (under Clause 7 (ii) of EIA Notification, 2006) – Environmental Clearance regarding.

Sir,

This has reference to your online application No. IA/TG/IND/50564/2016 dated 26th February 2016 seeking environmental clearance under clause 7(ii) of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S.No. 3(b), under category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.

2.0 M/s Deccan Cement Limited (DCL) is operating Cement Plant (Units I and II) at Village Mahankaligudem, Mandal Neredcherla, District Nalgonda, Telangana at a capacity of 1.0 MTPA (Clinker) & 1.5 MTPA (Cement). The project was earlier accorded Environment Clearance by the Ministry on 27th December 2007. The present proposal is for expansion of clinker plant from 1.00 MTPA to 1.20 MTPA and power generation from 15 to 18 MW by optimizing process operations.

3.0 The Regional Office has submitted the compliance report vide letter No. 'Nil' dated 25th May, 2016. The PP has complied will all the conditions stipulated in the EC letter No. J-11011/572/2007-IA.II(I) dated 27th December, 2007 except plantation of green belt. It has been mentioned in the report that out of 18 Ha the PP has brought 16.4 Ha under green belt development by planting different types of trees in and around the colony, cement plant

DECCAN CEMENTS LTD., Inward No. 1236 Date 26/05/17 BHAVANIPURAM, NALGONDA DT.

areas. The plantation work and survival rate is good. The PP committed that the remaining area will be planted during the next monsoon.

4.0 The project proponent has conducted a study on impact of clinker production and power generation on the surrounding forest areas. The report mentioned that there is no visible adverse impact on the reserve forest.

5.0 The proposal was earlier considered during the JSI meeting of Expert Appraisal Committee (EAC) (Industry-I) held on 18th to 20th November, 2015; 5th meeting held on 30lh - 3 151 March, 2016; and again in the I lth meeting on 26th to 27th September, 2016 and recommended the project for Environmental Clearance and stipulated Specific Conditions along with other environmental conditions while considering for accord of environmental clearance.

6.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-l) and hereby decided to grant environmental clearance to the above mentioned proposed Increase of Clinker Production (1.0 MTPA to 1.20 MTPA) by modification in Cement Plant and increase in power generation(15MW to 18 MW) by Mis Deccan Cements Ltd., under the provision of ErA Notification dated 14th September. 2006, as amended. subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIO~:

i. All the conditions stipulated *vide* environmental clearance letter No. J-11011/57212007-IA.II(I)dated 27th December, 2007 should be complied with.

ii. The project proponent shall install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office.

iii. The Standards issued by the Ministry vide O.S.R. No. 612 (E) dated 25th August 2014 and subsequent amendment dated 9lh May 2016 and loth May 2016 regarding cement plants with respect to particulate matter, S02 and NO~shall be followed.

iv. Efforts shall be made to achieve power consumption of 70 units/tonne for Portland Pozzolona Cement (PPC) and 95 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.

v. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.

vi. Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.

vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.

viii. Green belt shall be developed in 33% of the project area within plant premises with at least 10 meters wide green belt on all sides along the periphery of the project area, along road sides etc. by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.

ix. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.

x. At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.

xi. The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project. which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.

xii, The project proponent shall provide for solar light system for all common areas, street lights, villages. parking around project area and maintain the same regularly.

xiii. The project proponent shall provide for LED lights in their offices and residential areas.

xiv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS:

i. The project authorities must strictly adhere to the stipulations made by the Telangana Pollution Control Board and the State Government.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PMIO, PM2.5, S02 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chennai and the *SPCB/CPCB* once in six months.

iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, L993 and 31st December 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.

v. The overall noise levels in and around the 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. 'I he ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 7S dBA (daytime) and 70 dBA (nighttime).

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EWEMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.

IX. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chennai. The funds so provided shall not be diverted for any other purpose.

x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.

xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions. including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Chennai. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PMIO,S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as bye-mail) to the Regional Office of MOEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chennai / CPCB / SPCB shall monitor the stipulated conditions.

xiii. The environmental statement for each financial year ending 3)51 March in Form-Vas is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Enviroruneni (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF&CC at Chennai bye-mail.

xiv. The Project Proponent shall inform the public that the project bas been accorded environmental clearance by the Ministry and copies of the clearance letter arc available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at http:/envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers 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 should be forwarded to the Regional office at Chennai.

xv. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

7.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

8.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

9.0 The above conditions shall 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, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

11/5/17

(Sharath Kumar Pallerla)
Scientist 'F' / Director

Copy to:-

1. The Secretary, Department of Environment, Government of Telangana.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110032.
3. The Chairman, A-3, Prayauaraana Bhavan, Industrial Estate Sanath Nagar, Moosapet, Moosapet, Hyderabad, Telangana 500018.
4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 600034.
5. Disctrict Collector, Nalgonda, Telangana State.
6. Guard File / Record File/Monitoring file.
7. MoEF&CC Website

(Sharath Kumar Pallerla)
Scientist 'F' / Director

TELANGANA STATE POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 – 23815631
Grams : Kalushya Nivarana
Website :www.appcb.ap.nic.in

REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT – RED CATEGORY

Lr. No. 11/TSPCB/CFE/RO-NLG/HO/2017 **Dt. 28.08.2017**

Sub: PCB – CFE - **M/s. Deccan Cements Ltd., Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District** – Consent for Establishment for expansion of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - **Issued** - Reg.

Ref: 1) EC order from MoEF&CC, GoI, dt. 11.05.2017.
2) Industry's CFE application applied through TS-iPASS on 02.08.2017
3) R.O's inspection report dt. 11.08.2017.
4) CFE Committee meeting held on 23.08.2017.

***

1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) of the Board for expansion to produce following products with a project cost of Rs. 10.02 Crores, within the existing premises:

Sl. No.	Name of the Products and By-Products	Existing capacity	Proposed capacity	Total after expansion
1.	Cement (Unit-I)	0.3 MTPA	---	0.3 MTPA
2.	Clinker (Unit-I)	0.5 MTPA	---	0.5 MTPA
3.	Cement (Unit-II)	1.5 MTPA	---	1.5 MTPA
4.	Clinker (Unit-II)	1.0 MTPA	0.2 MTPA	1.2 MTPA
5.	Captive power	15 MW	3 MW	18 MW
	The cement production is inclusive of Clinker production.			

2. The above site was inspected by the Environmental Engineer and Asst. Environmental Engineer Regional Office, Nalgonda, T.S. Pollution Control Board on 08.08.2017 and observed that the site is surrounded by

North : Reserve forest (RF)
South : Colony followed by RF
East : Ravipahad RF
West : Captive Mine.

3. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT FOR EXPANSION** to your unit to carry out modification in cement plant and increase in power generation Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to manufacture the products as mentioned at para (1) only.**

4. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

5. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule `B'

Sd/-
MEMBER SECRETARY

To,
M/s. Deccan Cements Ltd.,
Bhavanipuram, Mahankaligudem,
Ravipahad (V), Palakeedu (M),
Suryapet District.

Copy to: 1. The JCEE, Z.O., RC Puram for information and necessary action.
2. The E.E., R.O, Nalgonda for information and necessary action.

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

JOINT CHIEF ENVIRONMENAL ENGINEER
(Unit-II)

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

SCHEDULE - B

Water:

1. The source of water is from River Krishna. The maximum permitted water consumption after expansion is 2420 KLD.

S.No	Purpose	Quantity
A	Cement Plant	
1	Cooling water	345
B	Power plant	
1	Filter back wash	7
2	OM Plant regeneration	7
3	Cooling water makeup	1652
4	Boiler feed	40
5	Service water wash	30
6	Clarifier blow down	12
7	Domestic	287
8	Gardening	40
	Total:	2420 KLD

The maximum Waste Water shall not exceed the following:

S. No	Purpose	Quantity
A	**Cement Plant**	
1	Cooling water	---
B	**Captive Power plant**	
1	Filter back wash	7 KLD
2	DM Plant regeneration	7 KLD
3	Cooling water makeup	342 KLD
4	Boiler feed	20 KLD
5	Service water wash	12 KLD
6	Clarifier blow down	10 KLD
7	Domestic	193.6 KLD
	Total:	**591.6 KLD**

Treatment & Disposal:

Sl.No.	Source of Effluent	Treatment	Mode of Final disposal
1	Filter back wash, DM Plant regeneration, Cooling water makeup, Boiler feed, Service water wash & Clarifier blow down	Neutralization tank and settling cum collection tank.	Treated waste water used for dust suppression & onland for plantation
2	Domestic	STP	After treatment used for onland for plantation.

3. The proponent shall collect effluents from all the streams and adopt treatment as mentioned above.
4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
   A) Domestic purposes.
   c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
   d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

Air Pollution :

5. The industry shall comply with the following for the expansion :

A) Line – I:

Sl. No	Details of Stack	Stack 1	Stack 2	Stack 3	Stack 4
a)	Attached to:	Rotary Kiln & Raw Mill-1&2	Cooler-1	Coal mill-1	Cement mill-1&2
b)	Capacity of Boiler/ Furnace / Kiln/ Incinerator / D.G.Set/	1450 TPD	---	---	---
e)	Stack height:	50 mtrs	31 mtrs.	31 mtrs.	30 mtrs.
f)	Details of Air Pollution Control Equipment:	ESP (Existing) Pulse Jet Bag Filter (Proposed in place of ESP)	ESP	Bag filter	Bag filter

B) Line – II :

Sl. No	Details of Stack	Stack 5	Stack 6	Stack 7	Stack 8	Stack 9	Stack 10
a)	Attached to:	VRM Raw Mill / Kiln	Cooler-2	Coal mill-2	Cement mill -3	Slag Cement Mill	Lime Stone Crusher
b)	Capacity of Boiler/ Furnace / Kiln/ Incinerator / D.G.Set/ Others	3030 TPD (Existing) 3650 TPD (Proposed)	--	--	--	--	1000 TPH
e)	Stack height:	128 mtrs	50 mtrs	58 mtrs	41 mtrs.	35 mtrs	22 mtrs
f)	Details of Air Pollution Control Equipment:	RABH	ESP	Bag filter	Bag filter	Bag filter	Bag filter

C) Captive Power Plant

Sl. No	Details of Stack	Stack 11
a)	Attached to:	Boiler
b)	Capacity of Boiler/ Furnace / Kiln/ Incinerator / D.G.Set/ Others	70 TPH
c)	Fuel form: Solid / Liquid/ gaseous	Coal
e)	Stack height:	75 mtrs.
f)	Diameter / size, in m.	3.5 m
g)	Details of Air Pollution Control Equipment:	ESP

6. **The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.**

Solid Waste:

7. The proponent shall comply with the following :

S. No.	Type of Solid Waste	Quantity	Method of Disposal
1	a) Power plant – Fly ash	280 MTPD	Used for PPC production
	b) Power plant – Bottom ash		
2	Waste lubricating oil	22.5426 KL/Year	Used for lubrication of drag chains & elevators (or) Authorized Reprocessors / Recyclers
3	Waste grease	3750 kg/year	
4	HFO sludge	Nil	

8. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

a) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
c) Fly ash notification S.0.2804 (E), dt. 3.11.2009.
d) Batteries (Management & Handling) Rules, 2010.

Other Conditions:

9. The standards issued by the Ministry vide G.S.R.No. 612 (E) dt. 25th August, 2014 and subsequent amendment dt. 9th May 2016 and 10th May 2016 regarding cement plants with respect to particulate matter, S02 and NOx shall be followed.

10. Efforts shall be made to achieve power consumption of 70 units / tone for Portland Pozzolona Cement (PPC) and 95 units / tone for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 KcallKg of clinker.

11. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by use of conveyors / rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.

12. The existing green belt shall not be disturbed with proposed expansion activity.

13. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.

14. The industry shall comply with all the directions issued by the Board from time to time.

15. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.

16. The Board reserves its right to modify above conditions or stipulate new / additional conditions and to take action including revoke of this order in the interest of environment protection.

17. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution)Act,1974 and Section 31 of 'trie Air (Prevention and Control of Pollution) Act, 1981.

Sd/-
MEMBER SECRETARY

To
Mis. Deccan Cements Ltd.,
Bhavanipuram, Mahankaligudem,
Ravipahad (V), Palakeedu (M),
Suryapet District.

IIT.C.F.B.OII

Po- L,L-A'" ~
JOINT CHIEF~~AL ENGINEER
~ (Unit-II)

TELANGANA POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 – 23815631
Website: tgpcb.cgg.gov.in

CONSENT & HWA ORDER (EXPANSION)
RED CATEGORY

Consent Order No: 20256105169 **Date:26.09.2025**

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016 & Amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to **M/s. Deccan Cements Ltd., (Cement plant & WHRB based Power Plant), Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District** (hereinafter referred to as 'the Applicant / Project') and the project is authorized to operate and to discharge the Effluents and the quantity of Emissions from the chimneys, by operating pollution control equipment, as detailed below.

i) Out lets for discharge of Effluents:

Outlet No.	Description of Outlet	Max Daily Discharge in KLD	Method of Treatment and Disposal
1.	**Captive Power Plant**		Shall be treated in the ETP and the treated water to be used for dust suppression or reuse in cement plant / gardening.
	Filter back wash	21	
	DM Plant regeneration	21	
	Cooling tower bleed off	450	
	Boiler blow down	40	
	Service water wash	45	
	Clarifier blow down	20	
2.	Domestic effluents	260	Shall be treated in the STP of capacity 260 KLD. After treatment, treated water shall be used for onland for plantation duly meeting the standards stipulated at Schedule-B.
	Total	**857.0 KLD**	

ii) Emissions from chimneys:

Chimney No.	Description of Chimney
	Existing unit-I, II & III
1	Stack attached to Rotary Kiln - 1 followed by Raw Mill –1 & 2
2	Stack attached to Cooler - 1
3	Stack attached to Coal Mill - 1
4	Common stack attached to Cement Mill–1 & 2
5	Stack attached to Kiln – 2 followed by VRM Raw Mill
6	Stack attached to Cooler - 2
7	Stack attached to Coal Mill - 2
8	Stack attached to Cement Mill–3
9	Stack attached to Cement Mill–4
10	Stack attached to Slag VRM Cement Mill
11	Stack attached to Boiler(70 TPH) in Captive Power Plant
12	Stack attached to Lime Stone Crusher
13	Attached to 1000 KVA DG set
14	Stack attached to Rotary Kiln - 3, Raw Mill-3

1

15	Stack attached to Rotary Kiln Cooler-3
16	Stack attached to Rotary Kiln Coal Mill-3

iii) HWAuthorisation No. : 20256105169 **Date:26.09.2025**

HAZARDOUS WASTE AUTHORISATION
(FORM – II)
[See Rule 6 (2)]

M/s. Deccan Cements Ltd., (Cement plant & WHRB based Power Plant), Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District (Waste Heat Recovery based power plant) 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 recycle option:**

S. No	Name of the Hazardous waste	Stream	Quantity	Disposal Option.
1.	Waste Lubricating Oil	5.1 of Schedule – I	44.0 KL/Year	Shall be used for lubrication of drag chains & elevators (or) disposed to authorized Re-processors / Recyclers
2.	Waste Grease	5.1 of Schedule - I	7200 Kg/year	
3	Production / Formulation of Drugs / Pharma	28 of Schedule-1	1000TPA	Used for Co- Processing in cement rotary Kiln

- **Non-hazardous wastes with recycling option:**

S. No	Name of the Hazardous waste	Stream	Quantity	Disposal Option.
1.	Power Plant- Flyash Power Plant-Bottom Ash	-	280 TPD	Used for PPC production
2.	Shredded Refused Derived Fuel (ROF)	-	1000 TPA	Used for Co-Processingin cement rotary Kiln
3.	Segrigated Municipal Solid Waste (MSW)	-	1000 TPA	Used for Co-Processing in cement rotary Kiln
4.	Biomass (Rice Husk/Saw Dust/Soya Husk/Other Agriculture Wastes)	-	500 TPA	Used for Co-Processing in cement rotary Kiln
5.	Plastic Waste	-	5000 TPA	Used for Co-Processing in cement rotary Kiln

This consent order is valid to manufacture the following product along with quantities only:

S. No	Products	Capacity/ Quantity (for unit - I, II & III)
1	Cement	4.0 MTPA (13000 TPD)
2	Clinker	3.2 MTPA (9650 TPD)
3	Captive power plant	18 MW
4	Power Generation (Based on Waste Heat Recovery)	15 MW

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

This order of consent & Hazardous Waste Authorisation is valid for a period upto the **31.07.2030.**

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
(Cement plant & WHRB based Power Plant),
Bhavanipuram, Mahankaligudem, Ravipahad (V),
Palakeedu (M), Suryapet District

JOINT CHIEF ENVIRONMENTAL ENGINEER
(CFO – UNIT-III)

SCHEDULE – A

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorisation under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorisation of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: http://tspcb.cgg.gov.in/Pages/Circulars.aspx).

2. This order is issued in line with Board's **CFE order dt. 10.08.2022, CFO (Renewal) order dt: 01.02.2023 & CFO(Expansion) order dt: 22.06.2024**. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts. The industry shall comply with all other conditions **CFE order dt. 10.08.2022, CFO (Renewal) order dt: 01.02.2023 & CFO (Expansion) order dt: 22.06.2024** is stil applicable.

3. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Rules, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

4. The industry may explore the possibility of tapping the solar energy for their energy requirements.

5. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE – B

1. **The existing CFO & HWA orders dt. 22.06.2024 (For unit - I & II) which valid upto 31.12.2029 stands cancelled.**

2. Total Water Consumption shall not exceed 3474 KLD.

S.No	Purpose	Quantity in KLD
A	**Cement plant**	
1	Cooling	645.0
B	**Captive Power Plant**	
1	Filter back wash	21.0
2	DM Plant regeneration	21.0
3	Cooling water make up	2252.0
4	Boiler feed	50.0
5	Service water wash	40.0
6	Clarifier make up	18.0
7	Domestic	387.0
8	Gardening	40.0
9.	Washings	-
	Total	**3474 KLD**

3. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards
1	pH	6.5 – 8.5
	Total Suspended Solids	100 mg/l
	Oil and Grease	10 mg/l
	Biochemical Oxygen Demand (3 days at 27° C)	100 mg/l
	Chemical Oxygen Demand	250 mg/l
	Total Dissolved Solids (TDS)	2100 mg/l

2	pH	6.0 – 9.0
	Oil & Grease	10 mg/l
	Biochemical Oxygen Demand (BOD)	≤10 mg/l
	Chemical Oxygen Demand (COD)	250 mg/l
	Ammonical Nitrogen	50 mg/l
	Arsenic	0.2 mg/l
	Mercury	0.01 mg/l
	Lead	1.0 mg/l
	Cadmium	1.0 mg/l
	Hexavalent Chromium	2.0 mg/l
	Total Chromium	2.0 mg/l
	Zinc	15 mg/l
	Copper	3.0 mg/l
	Turbidity NTU	≤ 2 mg/l
	E.coli (MPN count /100 ml)	None
	Residual chlorine	Preferably in the range of 1 mg/lt – 3 mg/lt

4. **Storm Water:**

   i) Storm-water shall not be allowed to mix with effluent, treated sewage, scrubber water and or floor washings.
   ii) Storm-water within battery limits of industry shall be channelized through separate drain(s).

5. The emissions shall not contain constituents in excess of the prescribed limits mentioned below.

(A)

Chimney Nos.	Parameter	Emission Standards
1 & 14	Sulphur Dioxide (SO_2)	100 mg/Nm³
	Nitrogen Dioxide (NO_2)	800 mg/Nm3
1 to 10, 12 14,15,16	Particulate Matter	30 mg/Nm³
5 & 6	Particulate Matter	30 mg/Nm³
	Sulphur Dioxide (SO_2)	100 mg/Nm³
	Nitrogen Dioxide (NO_2)	800 mg/Nm³
	HCl	10 mg/Nm³
	HF	1 mg/Nm³
	TOC	10 mg/Nm³
	Hg and its compounds	0.05 mg/Nm³
	Cd +Tl and their compounds	0.05 mg/Nm³
	Sb+As+Pb +Co+Cr+ Cu+Mn+Ni+V and their compounds	0.5 mg/Nm³
	Dioxins and Furans	0.1 ngTEQ/Nm³
11	Particulate Matter	50 mg/Nm³
	Sulphur Dioxide (SO_2)	600 mg/Nm³
	Nitrogen Dioxide (NO_2)	300 mg/Nm³
	Mercury (Hg)	0.03 mg/Nm³
13	SPM	115 mg/Nm³

Note: The abbreviations used in the above Table shall mean as under:

SO_2 - Sulphur Dioxide; NOx – Oxides of Nitrogen; HCl – Hydrogen Chloride; HF – Hydrogen Flouride; TOC – Total Organic Carbon; Hg – Mercury; Cd – Cadmium; Tl – Thallium; Sb- Antimony; As – Arsenic; Pb – Lead; Co- Cobalt; Cr- Chromium; Cu- Copper; Mn-Manganese; Ni- Nickel; and V- Vanadium.

(B) The height of each individual stack connected to Kiln, Clinker Cooler, Cement Mill, Coal Mill, Raw Mill, Packaging section, etc. shall be of a minimum of 30 metres or, as per the formula, $H=14\ (Q1)^{0.3}$ and $H= 74\ (Q2)^{0.27}$, whichever is more, where "H" is the height of stack in metres and "Q1" is the maximum quantity of SO_2 expected to be emitted in kg/hr and "Q2" is the maximum quantity of PM expected to be emitted in Tonnes/hr through the stack at 100 percent rated capacity of the plant;

(C) Above norms shall be applicable even if pet coke is mixed with coal for clinker making in the kiln.

(D) The monitored values of SO_2, NOx, HCl, HF, TOC, Metals and Dioxins and Furans at main Kiln stack shall be corrected to 10% Oxygen, on dry basis and the norms for SO_2, NOx, HCl, HF, TOC, Metals and Dioxins and Furans shall be applicable to the main Kiln Stack and the norms for Particulate Matter (PM) shall be applicable to all the stacks in the plant. PM, SO_2, NOx shall be monitored continuously. HCl, HF, TOC, Metals and Dioxins and Furans shall be monitored once in a year.

(E) Scrubber meant for scrubbing emissions shall not be used as quencher and plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be atleast equal to the main stack.

6. The industry shall not manufacture any un-consented products and exceeding capacities without obtaining prior Consent for Establishment (CFE) and Consent for Operation (CFO) of the Board.

7. The industry shall comply with emission limits for DG sets upto 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 under the Environment (Protection) Amendment Rules, 2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Second Amendment Rules, 2004. In case of DG sets more than 800 KW should comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.95, under the Environment (Protection) Act, 1986.

8. The industry shall comply with ambient air quality standards of PM_{10} (Particulate Matter size less than 10μm) - 100 μg/ m^3; $PM_{2.5}$(Particulate Matter size less than 2.5 μm) - 60 μg/ m^3; SO_2 - 80 μg/ m^3; NO_x - 80 μg/m^3, outside the factory premises at the periphery of the industry.

   Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 16.11.2009

   Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)
   Night time - (10 PM to 6 AM) - 70 dB (A).

9. The industry has paid CFO fee of Rs.27,33,800/- for a period upto 31.03.2027.

10. The industry shall pay balance consent fee annually as per rates notified in G.O.Ms.No.22. The payment of annual consent fee shall be made at the concerned RO for every financial year (i.e., April to March) within the stipulated time period i.e., 1st quarter of every financial year (April to June) is mandatory for the industry / project, failing which, the validity of the Consent Order automatically stands cancelled and operation industry / project without valid consent attracts penal action under the provision of Water Act, Air Act & Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

11. The industry either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.

12. The industry shall maintain online AAQM and stack monitoring systems for Kiln and raw mill, Clinker cooler, Coal mill & Cement mills and connect the data to the TGPCB server.

13. The industry shall maintain dust suppression system at all fugitive dust generating points to meet the AAQM standards.

14. The industry shall take up regular cleaning of internal roads by sweeping machines to avoid fugitive dust emissions due to vehicular movement.

15. The industry shall store all the raw materials in closed sheds to avoid fugitive emissions.

16. The industry should provide water sprinklers at various dust generating points.

17. The industry shall completely recycle the cooling waste water and shall operate STP for treatment of domestic effluents and treated effluents shall be used for plantation. Records shall be maintained for STP operation.

18. The industry shall maintain dust collection and extraction system to control fugitive emissions at various transfer points and the dust collected form pollution control equipments should be recycled back into the process.

19. The industry shall maintain interlocking system for Air Pollution Control Equipments provided with raw material feeding system so that the feeding of raw material would be stopped incase of the air pollution control equipments fails.

20. The industry should maintain the records on captive consumption of clinker produced, fly ash utilization & cement production etc., and the consolidated records should be furnished to concerned RO every month.

21. The industry is permitted to use additional Raw material i.e., pet coke – 0.096 MTPA for low grade Lime stone mineral conservation as fuel in the Kiln.

22. The industry shall co-process the Hazardous Waste in the kiln duly following the procedure.

23. The spent solvent / mix solvent generated by chemical industry should be co-processed in cement kiln.

24. As per the Directions issued by the Hon'ble National Green Tribunal (NGT), Principal Bench, New Delhi in Original Application (OA) No. 199 of 2014 vide Judgement dt. 22.12.2016, in the matter of Management of Municipal Solid Waste in Local Bodies, the industry shall buy and use Refused Derived Fuel (RDF) as fuel in the Cement Plant, generated from the RDF Plants located within a 100 Km radius of the Cement Plant."

25. The Hon'ble NGT order dt.18.11.2026 in OA No.33 of 2016 directed to monitor the industry regularly.

26. The industry shall comply with load of Mass based standard for Particulate Matter i.e., SPM emissions from Raw Mill, Kiln and Pre-Calciner system put together - 0.125 kg/tone of Clinker.

27. The industry shall operate the Air Pollution Control Equipments regularly and maintain the log registers.

28. The industry shall provide water meters for recording the water consumption for recording category-wise water consumption.

29. The industry shall not discharge any wastewater outside the plant premises.

30. The industry shall maintain separate energy meters for recording energy consumption for air pollution control equipments and maintain record for daily energy consumption.

31. The industry shall maintain greenbelt around the plant premises, as per the norms.

32. The industry shall submit quarterly report on usage of domestic petcoke / imported petcoke to the RO, Nalgonda and to the Board Office.

33. All the roads in the plant area shall be asphalted / concreted and water should be sprayed to reduce fugitive dust emissions.

34. The industry shall not store dry Gypsum in open area.

35. The industry shall renew the Bank Guarantee Rs. 25 lakhs (BG No. 0910324BG0000185, dt. 13.03.2024) after expiry i.e., 01.03.2027. The Bank Guarantee amount will be forfeited, if the industry fails to comply with standards / conditions / directions of the Board. The industry shall renew the Bank Guarantee till further orders of the Board.

36. The industry shall comply with the Task Force directions issued from time to time.

37. The industry shall carryout co-processing of Hazardous waste and comply the stipulated emission standards therein.

38. The industry shall maintain bag filters for de-dusting of additional blending silo, cement silos, fly ash silo & packing plants and other transfer points to control fugitive emissions.

39. The industry shall submit consolidated statement of Production details, effluent generated & effluent treated, Hazardous/ solid waste generated & disposed, Hazardous/ solid waste received from various industries/ outside sources & co-processed, records of operation of pollution control equipment on monthly basis to the Concerned Regional Officer and daily records (RG-I records, Central Excise Returns etc) shall also be made available to the Board Officials during the inspection.

40. The applicant shall submit Environment Statement in Form V to the Regional office before 30th September of every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.

41. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991, should be followed.

42. The conditions stipulated in this Order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

SCHEDULE – C

[see rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. The industry shall give top priority for waste minimization and cleaner production practices.

2. The industry shall not store hazardous waste for more than 180 days as per the Hazardous and other Wastes (Management, Handling and Transboundary Movement) Rules, 2016 and amendments thereof. The industry shall maintain 6 copy manifest system for transportation of waste generated and copies of receipt of Consignee shall be submitted to the Concerned Regional office. The industry shall maintain proper records for Hazardous Wastes stated in Authorisation in FORM-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 20(2) of the Hazardous and other Wastes (Management, Handling & Transboundary Movement) Rules, 2016 and amendments thereof.

3. The industry shall dispose /sell the Hazardous Waste to only industries/agencies authorized by the State Pollution Control Boards. The industry shall verify the authorization of the Board given to the Party before disposing its waste to the External Party.

4. The industry shall maintain proper records for Hazardous Wastes disposal and its concurrence with authorization. In case of variation in generation, industry shall submit explanation and obtain amendment in Environmental Clearance/ CFE/CFO in this regard.

5. The industry shall store Used / Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal. Waste oils shall be disposed to the authorized Reprocessors/ Recyclers and Used Lead Acid Batteries shall be disposed to the manufacturers / dealers on buyback basis. The industry shall take necessary practical steps for prevention of oil spillages and carryover of oil from the premises. The industry shall check the Certificate/ Authorisation/order of MoEF issued to the Re-user/Recycle units while disposing the waste oil.

8

6. The industry shall dispose of e-waste to the authorised recyclers only.

7. The industry shall maintain good house keeping.

8. The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule B & C of this Order on half yearly basis to Board Office, Hyderabad and concerned Regional Office.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
(Cement plant & WHRB based Power Plant)
Bhavanipuram, Mahankaligudem, Ravipahad (V),
Palakeedu (M), Suryapet District

JOINT CHIEF ENVIRONMENTAL ENGINEER
(CFO –UNIT-III)

J-11015/497'2007- IA. II (M)
Government of India
Ministry of Environment & Forests

Telefax: 011-24367257
Paryavaran Btreven, C. G. O. Complex,
Lod! Road, New Delhi-110G03.
Dated: October 18, 2007

To
MIs Deccan Cements Ltd.
6-3-666/8 'Deccan Chambers'
Somajiguda,
Hyderabad-500082

Sub: Expansion of Bhavanipuram Limestone Mine-2 (ML area 73.93 hal at village MahankaJigudem, Neredcherla Manda', Huzur Nagar Ta/uk, Nalgonda Distt, in Andhra Pradesh - reg. Environmental Clearance.

Sir,

The undersigned is directed to refer to your letter dated 22.052007, on the above rnenuoned subject. The Ministry of Envuonment and Forests has examined the application.

2. It has been noted that the proposal is for increase in production from 0.80 MTPA to 2.0 MTPA of your Bhavanipuram Limestone Mine-2 located at village Mahankaligudem, Neredcherla Mandal, Huzur Nagar Taluk, Nalgonda Dlstt., in Andhra Pradesh. The method of mining will be mechanised open cast. The mining lease area is 73.93 ha, which lies in the Saidulnama Reserved Forest. The mineable reserve is 13.88 MT. life of the mine at proposed production will be 7 years. The ore is outcropped. Ultimate depth of mining will be about 29 m below ground rever, Water table depth is 60 m below ground level. Hence no interference of ground water due to mining activity. The limestone are will be transported to the crusher plant located at its cement plant 0.5 -1.0 km away from the working pits. LOIN grade limestone generated from the mine will be blended with oement grade limestone. At the end of mine life, the mined out area will be converted into water reservoir where pisciculture will be taken up. Krishna River flows at a distance of about 0.9 in the south and Musi river at 3.2km in the West. No Wildlife sanctuary/National park and herita~e sites are located within 10 km of mine lease area. Water requirement will be about 110m /day, which will be met from the river Krishna. Domestic wastewater generated will be about 2.4 m3/day, which will be treated in septic tank followed by Soak pit. No solid waste which need disposal will be generated Public hearing of the project was held on 28.04.2006. Approval for Mining scheme including progressive mine closure plan from IBM was obtained on 25.04.2007. Cost of the project is Rs. 23.0 crores.

3. The project has been considered in accordance with the provrsrona of the EIA notifjcatlon issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14,2006 and its interim operational guidelines issued on October 13,2006.

4. Based on the information suomitted by you, the- Ministry of Environment and Forests hereby accords environmental clearance to the above project under the proviSions of EIA Notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions:

A. SpeCific conditions

(i) Forestry clearance for diversion of forest land under the Forests (Conservation) Act, 1980, shall be obtained.

Cont'd .....

(ii) Action plan for abatement and compensation for damages to agricultural land / common propeny land (if any) due to mining activlty shall be submitted to the Ministry within six months.

(iii) Water quality both for surface as well as ground water in the core zone shall be regularly monitored and records maintained. In case contamlnatron is observed. measures for control and action taken shall be reported to the state government as welJas the Ministry.

(iv) Water oodres shall be developed and utilized to develop plsciculture 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 rhet the members tnernselves 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 proflts are equitably shared by the members of the society as regular source of income.

(v) Action taken report on issues raised during public hearing shall be submitted to the Ministry and the State Govt. within six months.

(vi) Occupational health and safety measures for the workers including training on malaria eradication. HIV. heallh 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 health surveillance. Records of the health of the workers shall be maintained.

(vii) Top soill 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.

(viii) Over burden (if any) shall be slacked 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 preferably be of 10m and overall slope of the dump shall not exceed 28°. The 08 dump shall be backfilled. The 08 dumps shall be scientifically vegetated with suLtable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegp.tatlon becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests on six munthly basis.

(ix) Garland drains shall be constructed to arrest silt and sediment flows from 5011. 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 rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.

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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.

(xi) Drilling and blasting (if any) shall be conducted by using dust extractors/wet drilling.

(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 23.0 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.

(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.

(xiv) Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing 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.

(xv) Prior permission from the competent authority shall be obtained for extraction of ground water, if any.

(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 a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No 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, 5 years in advance of final mine closure for approval.

B. General conditions

(i) No change in mining technology and scope of working shall be made without prior

(iv) Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, 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 should be undertaken in consultation with the State Pollution Control Board.

(v) Data on ambient air quality (RSPM, SPM, $S0_2$, 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.

(vi) Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.

(vii) Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.

(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 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.

(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.

(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.

(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.

(xii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bangalore.

(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.

(xiv) The Regional Office of the Ministry, Bangalore shall monitor compliance 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.

(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.

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(xvi) 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.

(xvii) The project authorities shall 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 also at web site of the Ministry of Environment and Forests at ***http://envfor.nic.in*** and a copy of the same shall be forwarded to the Regional Office of the Ministry located Bangalore.

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

6. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

7. 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.

Yours faithfully,

(W. Bharat Singh)
Deputy Director

Copy to:

1. Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
2. Secretary, Department of Environment, Government of Andhra Pradesh, Hyderabad.
3. Secretary, Department of Mines and Geology, Government of Andhra Pradesh, Hyderabad.
4. Secretary, Department of Forests, Government of Andhra Pradesh, Hyderabad.
5. Chief Wildlife Warden, Government of Andhra Pradesh, Hyderabad.
6. Chief Conservator of Forests, Regional Office (SZ), Kendriya Sadan, 4th Floor E&F, Wings 17th Main Road, 1 Block, Koranmangala, Bangalore-560 034.
7. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
8. Chairman, Andhra Pradesh State Pollution Control Board, Paryavaran Bhawan, A-3 Industrial Estate, Sanath Nagar, Hyderabad – 500 018
9. Member Secretary, Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
10. Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.
11. District Collector, Nalgonda, Government of Andhra Pradesh.
12. EI Division, Ministry of Environment & Forests, Paryavaran Bhawan, New Delhi.
13. Monitoring File.
14. Guard File.
15. Record File.

(W. Bharat Singh)
Deputy Director

ANDHRA PRADESH POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 – 23815631
Grams : Kalushya Nivarana
Website :www.appcb.org

REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No.204/PCB/CFE/RO-NLG/HO/2007-2446 **Dt.07.02.2008**

Sub: PCB – CFE - **M/s. Deccan Cements Ltd., (Mines) Bhavanipuram, Janpahad (V), Nereducherla (M), Nalgonda district** - Consent for Establishment (Expansion) of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.

Ref:
1) Public hearing conducted on 28.4.2007 at Gram Panchayat Office, Ravipahad, Nereducherla (M), Nalgonda district.
2) Environmental Clearance issued by MOE&F, GOI on 6.9.2007
3) Industry's application received on 20.11.2007
4) R.O's inspection report dt. 18.12.2007
5) CFE Clearance Committee meeting held on 25.01.2008

1. In the reference 3rd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion of limestone mining in ML-2 of 73.93 Ha with installed capacities as mentioned below, with an additional investment of Rs.23 crores.

Sl. No.	Products	Consented capacity as per CFO dt. 01.07.2007	Proposed capacity	Total capacity
1	Limestone	2700 TPD (or) 800000 TPA	4000 TPD (or) 1200000 TPA	6700 TPD (or) 2000000 TPA

2. As per the application, the above activity is located at Bhavanipuram, Janpahad (V), Nereducherla (M), Nalgonda district

3. The above site was inspected by the Environmental Engineer, Regional office, Nalgonda, A.P Pollution Control Board on 29.11.2007 and found that the site is surrounded by

North : RF, Ravi Pahad followed by RF.

South : Approach road to factory followed by old ML, RF, Mahankaligudem (V).

East : M/s. Deccan Cements Ltd., Factory, Colony, followed by agricultural lands

West : Mahankaligudem – Nereducherla Road, RF, Chaanakya Cements Ltd.

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT (Expansion) to your activity Under Section 25 of Water (Prevention & Control of Pollution) Act

5. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule `B'

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,(Mines)
6-3-666/B, Deccan Chambers,
Somajiguda, Hyderabad – 500 082.

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

for **JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)**

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office, Nalonga, A.P. Pollution Control Board once in six months.

2. The proponent shall obtain Consents for operation from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.

3. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.

4. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.

5. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.

6. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.

7. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public liability insurance Act, 1991 shall be followed.

8. This order is valid for period of 5 years from the date of issue.

SCHEDULE – B

Water:

1. The source of water is Ground / River and the maximum permitted water consumption after expansion is 11.5 KLD.

2. The maximum Waste Water Generation (KLD) shall not exceed the following:

Sl. No.	Purpose	After Expansion (KLD)	Disposal
1	Domestic	0.5	Septic tank followed by soak pit

3. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

   a) Spraying in mine pits.
   b) Domestic purposes.
   c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.

AIR:

4. The proponent shall comply with the following for controlling air pollution.

   i. Wet drilling to suppress the dust emission from the drill machines at its source by inbuilt water injection system.

   ii. Fixed continuous water spraying system on the haul road.

   iii. Regular water sprinkling on blasted heaps and haul roads with water tankers.

   iv. Use of sharp drill bits for drilling holes and arrangements for bit regrinding. Charging the holes by using optimum charge and using time delay detonator.

   v. Avoiding blasting during high windy periods, night times and temperature inversion periods.

   vi. Regular grading of haul roads and service roads to clear accumulation of loose material.

   vii. Excavation operations shall be suspended during periods of very strong winds.

   viii. Avoiding over filling of dumpers and consequent spillage on the roads.

   ix. The vehicles and machinery shall be kept in well –maintained condition so that emissions are minimized.

   x. Afforestation for control of dust. To arrest the amount of airborne dust extensive plantation shall be carried out within the mines and outside the mining lease area.

   xi. Plantation of wide leaf trees, creepers, tall grass along approach roads, and on barrier zones to help in suppressing the dust.

5. The proponent shall comply with the following for controlling noise pollution.

   i. Proper and regular maintenance of vehicles, machinery and other equipment.

   ii. Limiting time exposure of workers to excessive noise.

   iii. The noise generated by the machinery shall be reduced by proper lubrication of the machinery and equipment.

   iv. The workers employed shall be provided with protection equipment, earmuffs and ear-plugs, as a protection from the high noise level generated at the plant site wherever required.

   v. Noise levels shall be controlled by using optimum explosive charge, proper delay detonators and proper stemming to prevent blow out of holes.

   vi. Speed of trucks entering or leaving the mine shall be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.

6. The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.

Solid Waste:

7. The Hazardous waste (Management and Handling), Rules,1989 and regulations notified by the MOE&F, GOI shall be implemented.

Other Conditions:

8. Green belt of width 10 m shall be developed along the boundary of the mine lease area. Green belt development shall be started along with the mining activity.
9. Top soil shall be utilized for development of greenbelt.
10. The recommendations / commitments made during the Public Hearing held on 28.4.2007 at Gram Panchayat Office, Ravipahad, Nereducherla (M), Nalgonda district shall explicitly be followed from pollution control point of view.
11. The proponent shall construct check dams with intermediate sedimentation traps in the flow path to arrest silt.
12. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.
13. Fencing shall be provided around mining area to avoid accidents.
14. The proponent shall obtain license from Chief Controller of Explosives for magazine building at mine.
15. The proponent shall obtain clearance from Central Ground Water Authority to draw ground water.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,(Mines)
6-3-666/B, Deccan Chambers,
Somajiguda, Hyderabad – 500 082.

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

for **JOINT CHIEF ENVIRONMENTAL ENGINEER(CFE)**

TELANGANA STATE POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 – 23815831
Website: tspcb.cgg.gov.in

CONSENT & HWA ORDER (RENEWAL)
RED CATEGORY

Consent Order No : 220523376407 **Date :07.03.2022**

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof, Operation of the plant under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorisation / Renewal of Authorisation under Rule 6 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules 2016 & Amendments thereof)

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof, and Authorisation under the provisions of HW (MH & TM) Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') and amendments thereof and the rules and orders made there under to **M/s. Deccan Cements Ltd., (Bhavanipuram Lime Stone Mine-II) Mahankaligudem (V), Palakeedu (M), Suryapet District** (hereinafter referred to as 'the Applicant /Industry') and the industry is authorized to operate the industrial plant to discharge the Effluents from the outlets and the quantity of Emissions per hour from the chimneys, by operating pollution control equipment, as detailed below.

i) Out lets for discharge of Effluents:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1	Domestic	1.0	Septic tank followed by soak pit

ii) Emissions from chimneys: Nil

This consent order is valid for Mining of Limestone in an area of 73.93 ha. as per IBM approval only.

Sl. No.	Line of activity	Capacity
1	Lime Stone	20,00,000 TPA

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

This order of Consent is valid for a period upto 31st December,2026.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
(Bhavanipuram Lime Stone Mine-II),
Mahankaligudem (V), Palakeedu (M),
Suryapet District

AT.C.F.B.O/W

SENIOR ENVIRONMENTAL ENGINEER (FAC)

1

SCHEDULE–A

1. The applicant shall make applications through online for renewal of Consent (under Water & Air Acts) and Authorisation under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW Authorisation of the Board. The applicant can also apply for Auto Renewal of the CFO atleast 30 days before the expiry of this order as per the procedure and eligibility stipulated in the Board Circular dt.19.11.2015 & 08.12.2015 (available in Board's Website: http://tspcb.cgg.gov.in/Pages/Circulars.aspx).

2. This order is issued in line with Board's CFO & HWA order dated 15.12.2014 & Auto Renewal CFO order dt. 05.12.2016. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts. The industry shall comply with all other conditions of CFO & HWA order dated 15.12.2014 & Auto Renewal CFO order dt. 05.12.2016still applicable.

3. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

4. The industry may explore the possibility of tapping the solar energy for their energy requirements.

5. The industry shall comply with the all the directions issued by the Board from time to time.

6. The Board reserves its right to modify above conditions or stipulate any further conditions and to take action including revoke of this order in the interest of protection of public health and environment.

SCHEDULE–B

1. Total Water Consumption shall not exceed 6.0 KLD

S. No	Purpose	Quantity (KLD)
1	Dust Suppression	5.0 KLD
2	Domestic	1.0 KLD
	Total	**6.0 KLD**

2. The industry shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining prior CFE & CFO of the Board.

3. The industry shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10um) - 100 ug/ m3; PM2.5(Particulate Matter size less than 2.5 um) - 60 ug/ m3; SO2 - 80 ug/ m3; NOx – 80 ug/m3, outside the factory premises at the periphery of the industry.

   Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

   Noise Levels: Day time - (6 AM to 10 PM) - 75 dB (A)
   Night time - (10 PM to 6 AM) - 70 dB (A).

4. The industry has paid consent fee of Rs. 4,68,209/- for a period upto 31.12.2026.

5. The industry either paying annual fee or total fee for Consented period, shall pay the balance fee as per the revised rates as applicable from time to time.

6. The industry shall provide and maintain water meters for recording water consumption for dust suppression and domestic purposes.

7. The industry shall install carryout water sprinkling along the haulage road from mine to cement plant to control of fugitive emissions due to vehicle movement.

8. The industry shall treat the vehicle washings and utilize the treated wastewater for plantation and maintain records.

9. The industry shall maintain greenbelt as per norms.

10. The industry should implement the EMP submitted to the Board /MoEF while obtaining CFE/EC.

11. The industry should under take only wet drilling as informed to the Board & should ensure maintenance of adequate measures to mitigate dust generation from drilling operations.

12. The industry should adopt blasting technique using shock tube and delay detonators. Dust collectors are to be provided for the drilling equipment.

13. The industry should adopt latest blasting techniques to minimize the vibrations and dust emissions. The industry should provide mechanical water sprinklers in the mining area to control fugitive emissions.

14. The industry should maintain dust control systems at the transfer points in crushing area to control the dust emission and provide bunkers to collect the crushed lime stone to control fugitive emissions while loading the material.

15. The industry should avoid blasting during high windy periods, night times and temperature inversion periods.

16. The industry should construct check dams with intermediate sedimentation traps in the flow path to arrest silt.

17. Vehicles should be well maintained and engine idling should be minimized. Vehicle cabins should be made dust-proof.

18. The industry should adopt eco-friendly mining practices. The maximum charges used for blasting should be limited to ensure vibrations created in the neighborhood area are within acceptable limits.

19. All waste material should be accommodated within the Mining Lease Area.

20. Soil binding and nitrogen fixing plants should plant in the Mining Lease Area. Biological reclamation should be done in two phases, the first phase should be plant appropriate quick growing and shrubs and the second phase should grow slower growing native shrubs and trees.

21. 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.

22. An environmental policy statement which spells out the overall environmental management philosophy and the thrust programs for the next two years should be prepared and submitted to the Board and circulated to the people in habitats in a 10 km radius around the plant and mines.

23. Plantation should be raised along the roads, dump sites etc., includes a wide greenbelt all around the ML area by planting the native species in consultation with local DFO / Agriculture department.

24. The industry should undertake suitable artificial recharge measures in the project area for augmentation of ground water resources.

25. Ground water table levels should be monitored every season. Any lowering of the ground water table in comparison to the previous season should be reported to the Board immediately. Discarded pits should be allowed to fill with water.

26. The industry should comply with notifications / guidelines issued by the MOEF, GOI from time to time under E (P) Act, 1986.

27. Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops should be compacted, levelled and be properly drained.

28. The natural drainage of water should be maintained. Dump sites should not cross any streams, water flow from the Mining Lease Area, even during the monsoon, should be free of suspended matter and conform to prescribed water quality standards.

29. The applicant should submit Environment statement in Form V before 30th September of every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.

30. The industry shall comply with Task Force directions issued by Board from time to time.

31. The conditions stipulated in this order are without any prejudice to rights and contentions of this Board in any Hon'ble court of Law.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
[Bhavanipuram Lime Stone Mine-II],
Mahankaligudem (V), Palakeedu (M),
Suryapet District

/VT.C.F.B.O/V

SENIOR ENVIRONMENTAL ENGINEER (FAC)

By SPeed Post/Onnne

No. J~21015/3"5/2015-1A.:r1 (M)
Government of India
Ministry of Envilionment, Forest and ClimICiiteCban'goe
Impact Assessment Division
*..>k..

Indira Parya'VaranBltlavan,
Vayu Wing, 3rd floor,
A.lig;;mj, Inrh ...gh Rnnd,
New Delhi-i10 003

Dated: 5th January, 2017

To,

MIs Deccan Cement Umited
Sri S.Venkateswarlu
Vice President (works)
Mahankaligudem
Neredcherla mandai, Nalagonda District
Telangana

Tel. No. 040-23310168
Ernei': venkot.s@deccencements.co",

Sub.: Enhancement of Bhavanipuram Limestone Mime with production capacity from 0.3 million TPA 'tn 2_3 million TPA of limestone by MIs. Deccan Cement Ltd., located at villag|e(s)- Ravipahad Mandal-
Nereducerfa, District Nalagonda, Telalngana (MLA: 183.11 hal - Enviro nmental Clearance - regardi|na.

Reference: Online Proposal no. IA/TGIMIN/31400/2'01!5

Sir,

This has reference to your online apptlcatton for the above mentloned proposal for Enhancement of Limestone Mine with productton capacity from 0.3 million TPI\ to 2.3 million TPI\. of limestone In the mine lease area of 183.11 ha. The mine lease area is located at village Ralvlpahad Mandal- Nereducerla, District Nalagonda, Telangana. The Coordinates of the four corners of the 100 ha mining lease area are: 16042'27.00" N - 16043.'17.00" N Latitude and 79042'37.00" E 79044'13.00" E. 56P/9, S6P/13, S6P/IO & S6 P/14. The lease area Fallisin Seismic Zone II.

2. The proposal of Terms of Reference (ToR) was considered by the EAC in its l~l Meeting held durlf'1g December 21st -22"d, 2015 to determine the TOR for undertaking detailed ElA study. The ToR were issued by MoEFCC, vide letter No J-llOlS/375/2013-I.A.II(M), dated Bv' January, 2016. The Proposal fs to enhance Lime stone production of Bhavanipuram Lime stone Mine-3 from 0.3 to 2.3 MTPAto meet ~he Lime stone r-equirement of cement: plant due to exhaust or reserves at Ohtlve...i.pl,Jr·t3mUme stone mine-2. The Proponent submitted the E:INEMlr>n.cport online to Ministry portal for seeking environmental clearance after condluctlng the Public Hearing.

3. The proposal is for enha ncement of Deacan Cement ILtd Lilrnes'toneMine with production capacity from 0.3 million TPA to 2.3 million TPA of limestone. The mine lease area is 183.11 ha. Out of total mine lease 151. 17ha, Is forest land and 2.94

ha is agricultural land. The lease was issued in the name of Deccan Cement Ltd. and is valid up to 27.12.2033. It was further extended by State Govt. up to 27.12.2043 as per Section 8 A of the MMDR Amended Act, 2015 and a letter is issued by the Asst. Director of Mines and Geology, Nalagonda-II Miryalaguda, vide letter no 484/M2/2007, dated 28.12.2013. The Mining Scheme with Progressive Mine Closure Plan for 183.11 ha area was approved by the Regional Controller of Mines, Indian Bureau of Mines, vide letter no. AP/NLG/MP/Mn- 73/HYD, dated 09th February, 2015.

4. Project Proponent reported that limestone mining is being carried out by fully semi mechanized opencast method using Heavy Earth Moving Machines and deep hole drilling and blasting with large dia holes. At the conceptual stage, out of the total mining lease area (i.e. 183.11 ha), 151.17total mined-out area will be developed in to water reservoir out of which about 5.35 Ha along the mine lease boundary will be afforested under green belt development, 3.37 ha will be developed under work shop, mine office, crusher, road etc and remaining 23.22ha area (Blocked under Public Road & Electrical line. Total water requirement is 300 KLD. Project Proponent reported that mining will not intersect ground water table at the conceptual stage. Top soil generation for life of mine is 183110 cu.m. This will be disposed to the barrier zone of 7.5 m and the safety zone of road and is used for green belt development.

5. The Project Proponent reported that there is no National Parks/Wildlife Sanctuaries/Biosphere Reserves/Wildlife Corridors/Tiger/Elephant Reserves are located within the 10 km study area of the mine lease. The authenticated location map has been submitted by the Principal Conservator of Forests, Hyderabad, vide letter no 31015/2007/F2, dated 13.08.2013 Project Proponent reported that there is no Schedule species reported in the buffer area.

6. The Baseline data was collected for the period Winter Season i.e. December 2015 to February 2016. The analytical results of samples collected for all parameters were found within permissible limits. The Committee deliberated the baseline data presented by the Project Proponent.

7. Public Hearing was conducted on 15 July, 2016 at Project Site of JK Lakshmi Cement Ltd. village(s)- Ravipahad Mandal- Nereducerla, District-Nalagonda, Telangana. The Public Hearing was presided over by Shri Ravi Nayak, Revenue Divisional Officer & ADM, Nalagonda. The representatives of the Telangana State Pollution Control Board, Nalagonda were also present. The issues raised during Public Hearing were also considered and discussed during the meeting, which inter-alia, included source of Drinking water, impact on Gaucher land, impact of blasting, benefit of expansion project & providing assistance for employment. Action plan with budgetary allocation has been given against Points raised in Public hearing.

8. Total cost of the Project is Rs. 120 Crores. Capital Cost for environmental protection measures is Rs. 95 Lakhs and Recurring cost is Rs. 40 Lakhs per annum and Rs. 25 Lakhs for mine closure plan. Project Proponent has earmarked Rs.637.78 Lakhs towards CSR activities for next ten years w.r.t. sustainable livelihood, education & capacity building, health care, social reforms and community development. Project Proponent reported that there is no court case/litigation pending against the project.

9. 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 hereby accords the environmental

clearance under the provisions thereof to the above mentioned proposal of **M/s Deccan Cement Ltd for Enhancement of Limestone Mine with production capacity from 0.3 million TPA to 2.3 million TPA of limestone, located at village(s)- Ravipahad Mandal- Nereducerla, District Nalagonda, Telangana** subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:

A. Specific conditions

1) **The Project Proponent may ensure the finalization of surface rights of agriculture land and change of Land Use Certificate from the Competent Authority, before starting the mining operations as required under law.**

2) The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Himachal Pradesh and effectively implement all the conditions stipulated therein.

3) Cumulative impact assessment for air quality shall be carried out and report shall be submitted along with implementation plan of the suggested mitigation measures to Regional Office of MoEF within one year.

4) Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted; All the old age people of the surrounding villages may be provided medical facilities.

5) Transport of minerals shall be done either by dedicated road or it should be ensured that the trucks/dumpers carrying the mineral should not be allowed to pass through the villages. The Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.

6) Implementation of Action Plan on the issues raised during the Public Hearing. The Proponent shall complete all the tasks as per the Action Plan submitted with the budgetary provisions during the Public Hearing.

7) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUCC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centre.

8) Project Proponent shall ensure the safeguard and wellbeing of villagers and school, regular health monitoring of all residents in the area and the compliance Report shall be submitted to the Regional office of the Ministry.

B. Standard conditions

1). A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.

2). No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.

3). No change in the calendar plan including excavation, quantum of mineral and waste should be made.

4). The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.

5). Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM)/State Mines and Geology Department as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).

6). The lands which are not owned by Proponent, mining will be carried out only after obtaining the conserts from all the concerned land owners as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.

7). Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office.

8). The critical parameters as per the Notification 2009 such as PM_{10}, $PM_{2.5}$, NO_x, and SOx etc. in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

9). The Proponent shall install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at three locations as per wind direction. Online provisions of pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project Proponent should display the result digitally in front of the main Gate of the mine site.

10). Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM_{10} and $PM_{2.5}$ such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.

11). Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. 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 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.

12). 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.

13). Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.

14). Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that

the impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.

15). 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 light/night hours.

16). Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.

17). Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt-conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.

18). Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of pH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.

19). There shall be planning, develcping and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.

20). The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/leveling with the help of dozer/compactors.

21). The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows

only species adopted to that micro climate.

22). The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45^0. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.

23). Catch drains and siltation ponds of appropriate size shall be constructed around the mine working,mineral and OB dumps toprevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.

24). Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB Guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.

25). Project Proponent shall follow the mitigation measures provided in 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".

26). The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any. In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling and plantation of such trees should be promoted.

27). The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.

28). **At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Chandigarh. Implementation of such program shall be ensured accordingly in a time bound manner.**

29). Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

30). Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

31). 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 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.

32). 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.

33). 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.

34). The funds earmarked for environmental protection measures 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.

35). 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.

36). The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.

37). The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the recuisite data / information / monitoring reports.

38). 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.

39). State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.

40). 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 also at web site of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.

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

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

12. 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 Environmert (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 and any other Court of Law relating to the subject matter.

13. 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.

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

13. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

14. 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 Meghalaya and any other Court of Law relating to the subject matter.

15. 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.

(Surendra Kumar)
Director (S)

Copy to:-

i. **The Secretary,** Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
ii. **The Secretary,** Department of Environment, Government of Andhra Pradesh, Hyderabad.
iii. **The Secretary,** Department of Forests, Government of Andhra Pradesh, Hyderabad.
iv. **The Secretary,** Department of Mines and Geology, Government of Andhra Pradesh, Hyderabad.
v. **The Secretary,** Department of Industries and Commerce (M-III), Govt of Andhra Pradesh, Hyderabad.
vi. **The Additional Principal Chief Conservator of Forests (C),** Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 600034
vii. **The Chairman,** Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
viii. **The Chairman,** Andhra Pradesh State Pollution Control Board, Paryavaran Bhawan, A-3 Industrial Estate, Sanath Nagar, Hyderabad - 500 018
ix. **The Member Secretary,** Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
x. The Chief Wildlife Warden, Govt. of Andhra Pradesh, Aranya Bhawan , Saifabad, Hyderabad-500004
xi. **The Controller General,** Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.
xii. **The District Collector,** Nalgonda District, Government of Andhra Pradesh.
xiii. Guard File.

(Surendra Kumar)
Director (S)

TELANGANA STATE POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 – 23815631
Grams : Kalushya Nivarana
Website :www.TSPCB.ap.nic.i

REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT – RED CATEGORY

Lr.No.277/PCB/CFE/RO-NLG/HO/2017 - 3681 **Dt.30.03.2017**

Sub: PCB – CFE - **M/s. Deccan Cements Ltd, (Bhavanipuram Lime Stone Mine - 3), Ravipahad (V), Palakeedu (M), Suryapet District** – Consent for Establishment for exparsion of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - **Issued** - Reg.

Ref: 1) Industry's CFE application received through TS-iPASS on 10.03.2017.
2) R.O's inspection report dt. 15.03.2017.
3) CFE Committee meeting held on 27.03.2017.

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1. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) of the Board for expansion to produce following products with a project cost of Rs. 2.0 Crores, within the existing premises:

Sl. No.	Name of the Products	Existing capacity as per CFO order dt.17.10.2015	Proposed capacity after expansion
1	Lime stone mining	0.3 Million TPA (910 TPD) in an area of 183 Ha.	2.3 Million TPA in an area of 183.11 Ha.

2. The above site was inspected by the Environmental Engineer and Asst. Environmental Engineer Regional Office, Nalgonda, T.S. Pollution Control Board on 13.03.2017 and observed that the site is surrounded

North : Forest land followed by Ravipahad Village road;
South : M/s.Deccan Cements Ltd;
East : Forest land followed by Ravipahad Village;
West : Forest land followed by Mahankaligudem – Nereducharla Road.

3. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT FOR EXPANSION** to your unit Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to manufacture the products as mentioned at para (1) only.**

4. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

5. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule `B'

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd,
(Bhavanipuram Lime Stone Mine - 3),
Ravipahad (V), Palakeedu (M),
Suryapet District

**\\ T.C.F.B.O. **

Joint Chief Environmental Engineer (FAC)

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months.

2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.

3. The proponent shall obtain Consents for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.

4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.

5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.

6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability

7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.

8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water harvesting structure.

9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.

10. **This order is valid for period of 5 years from the date of issue.**

SCHEDULE – B

Water:

1. The source of water is from Bore well. The maximum permitted water consumption is 130.0 KLD.

Sl.No.	Purpose	Quantity
a)	Water Sprinkling & Spraying in mine pits (dust suppression)	110 KLD
b)	Green Belt	15.0 KLD
c)	Domestic	5.0 KLD
	Total	**130.0 KLD**

2. The maximum Waste Water shall not exceed the following:

Sl.No.	Waste Water Generation	Total
1	Domestic	0.5
	Total	**0.5 KLD**

Treatment & Disposal:

Source of Effluent	Treatment	Mode of final disposal
Sanitary effluents	---	Septic tank followed by soak pit.

3. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.

4. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.

5. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

6. Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the proponent in and around project area in consultation with the Regional Office, TSPCB. The frequency of monitoring shall be four times a year pre-monsoon (April/May), monsoon (August), Post–monsoon (November), and winter (January). The trend analysis of ground water quality monitoring shall be compared with base line data and requisite preventive measures shall be implemented to avoid depletion / deterioration of the ground water sources. Data thus collected shall be sent at regular intervals to the Regional Office, TSPCB.

7. The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.

8. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

   a) Spraying in mine pits.
   b) Domestic purposes.
   c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
   d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

Air:

9. The proponent shall comply with the following for controlling fugitive emissions.

   - Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
   - To control dust from drilling operations, drilling with dust collectors/wet drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.
   - Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
   - Overloading of transport equipment shall be prevented in order to stop spillage.

10. The proponent shall comply with the following for controlling noise emissions.

    - Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
    - Surface drilling and blasting operations shall not be carried out at night.
    - The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
    - Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
    - Hydraulic rock breaker shall be used in lieu of secondary blasting.
    - Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits.
    - Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.

11. **The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.**

12. Fixed ambient air quality monitoring stations shall be provided in core and buffer zone in down windward direction in consultation with concerned Regional Officer of TSPCB for monitoring of $PM_{2.5}$, PM_{10}, SO_2, NOx. The consolidated monthly report of the same shall be submitted.

13. Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.

14. Periodical monitoring of blasting vibrations shall be carried out with seismograph and maintain records.

Solid Waste:

15. The proponent shall comply with the following:

Sl.No.	Type of Waste	Quantity	Method of disposal
1	Top soil	--	Top soil shall be used for plantation

16. Top Soil, if any, shall be stacked with adequate measures with proper slope at earmarked site (s) only and shall be used for reclamation / plantation and rehabilitation of mined out areas.

17. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

    a) Hazardous waste and other wastes (Management and Transboundary Movement), Rules, 2016.
    b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
    c) Batteries (Management & Handling) Rules, 2010.
    d) E-Waste (Management) Rules, 2016.

Other Conditions:

18. The proponent shall develop green belt all along the boundary of the mine lease area. Green belt development shall be started along with the mining activity.

19. The proponent shall obtain necessary mining approvals from the Department of Mines & Geology, Govt. of T.S / Indian Bureau of Mines(IBM) and shall also obtain Consent For Operation from the TSPCB before the commencement of mining activity. This shall be strictly adhered to without fail.

20. In any case, the proponent shall not exceed its limestone mining more than the capacity approved by IBM / MOE&F, GOI.

21. The proponent shall obtain license from Chief Controller of Explosives for handling of magazine for mining operation.

22. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages.

23. The proponent shall carryout studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department.

24. The proponent shall adopt incline hole drilling to reduce the noise and ground vibration and not more than 15 -20 holes shall be drilled in one round of blast.

25. Muffle blasting shall be done towards the villages side.

26. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.

27. The proponent shall comply with all the directions issued by the Board from time to time.

28. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attracts action under the provisions of relevant pollution control Acts.

29. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.

30. The above order is issued subject to the final orders of the Hon'ble NGT, Chennai in M.A No. 33 of 2016.

31. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd,
(Bhavanipuram Lime Stone Mine - 3),
Ravipahad (V), Palakeedu (M),
Suryapet District.

**\\ T.C.F.B.O. **

Joint Chief Environmental Engineer (FAC)

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The VICE PRESIDENT(WORKS)
DECCAN CEMENTS LIMITED
6-3-666/B
SOMAJIGUDA
HYDERABAD-500 082,,Hyderabad,Telangana-500082

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/TG/IND/266850/2016 dated 11 May 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	EC22A009TG150254
2.	**File No.**	J-11011/572/2007-IA II (I)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity Including Schedule No.**	3(b) Cement plants
6.	**Name of Project**	Expansion of Cement Plant with clinker production capacity from 1.7 to 3.2 MTPA and cement (OPC/PPC) production from 1.8 to 4.0 MTPA by install a new unit Along with Install 15 MW (7MW + 8MW) Waste He
7.	**Name of Company/Organization**	DECCAN CEMENTS LIMITED
8.	**Location of Project**	Telangana
9.	**TOR Date**	25 Feb 2016

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 06/07/2022

(e-signed)
Dr. R. B. Lal
Scientist E
IA - (Industrial Projects - 1 sector)

Note: A valid environmental clearance shall be one that has EC Identification number & E-Sign generated from PARIVESH.Please quote Identification number in all future correspondence.

This is a computer generated cover page.

F. No. IA- J-11011/572/2007 -IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)
***

Indira Paryavaran Bhawan
Vayu Wing 3rd Floor, Jor Bagh Road,
Aliganj, New Delhi – 110003

Dated: 6th July, 2022

To,

M/s Deccan Cements Limited
Khairatabad, Hyderabad, Telangana- 500082
Email: venkat.s@deccancements.com

Subject: Expansion of Cement Plant with increase of production of clinker from 1.7 to 3.2 MTPA, cement from 1.8 to 4.0 MTPA (by installation of new unit (Unit III) & power from 18 to 33 MW (by installation of WHRB Power Plant) by M/s Deccan Cements Ltd., located at Mahankaligudem Village, Palakeedu Mandal, Suryapet District, Telangana- Grant of Environmental Clearance regarding.

Sir,

This refers to your proposal no. **IA/TG/IND/266850/2016, dated 11/05/2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category **'A'** of item **3(b) Cement Plants and 1(d) Thermal Power Plants of the EIA Notification, 2006 and appraised at Central Level.**

3. Accordingly, the above-mentioned proposal has been considered in **6th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 30-31st May, 2022**. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at https://parivesh.nic.in

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

S. No.	Particulars	Details		
a.	Terms of Reference for undertaking EIA study	10.11.2020 and amendment 03.05.2021		
b.	Period of baseline data collection	01 Dec 2020 To 28 Feb 2021		
c.	Date of Public Consultation	09.12.2021		
d.	Action plan to address the PH issues	An amount of Rs. 282 Lakhs have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as **Annexure 1.**		
e.	Location of the project	Mahankaligudem Village, Palakeedu Mandal, Suryapet District, Telangana		
f.	Latitude and Longitude of the project site	S.No	Latitude N°	Longitude E°
		1.	16°42'26.82"N	79°43'13.60"E
		2.	16°42'23.63"N	79°43'13.91"E

S. No.	Particulars	Details		
		3.	16°42'30.56"N	79°43'9.23"E
		4.	16°42'31.32"N	79°42'56.99"E
		5.	16°42'29.09"N	79°42'56.48"E
		6.	16°42'29.30"N	79°42'55.80"E
		7.	16°42'19.69"N	79°42'53.64"E
		8.	16°42'23.97"N	79°42'45.20"E
		9.	16°42'24.05"N	79°42'45.32"E
		10.	16°42'30.53"N	79°42'32.80"E
		11.	16°42'32.07"N	79°42'32.85"E
		12.	16°42'37.97"N	79°42'31.51"E
		13.	16°42'47.93"N	79°42'24.02"E
		14.	16°42'57.02"N	79°42'29.46"E
		15.	16°42'53.78"N	79°42'36.41"E
		16.	16°42'50.21"N	79°42'43.14"E
		17.	16°42'45.14"N	79°42'54.36"E
		18.	16°42'44.42"N	79°42'56.42"E
		19.	16°42'41.07"N	79°43'1.93"E
		20.	16°42'38.69"N	79°43'4.16"E
g.	Total land	74.5 Ha.		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Present DCL cement plant is located in an area of 53.80 Ha, which has Forest land of 8.02 Ha. Additional land of 20.7 Ha owned by DCL will be used for expansion.		
i.	Existence of habitation & involvement of R&R, if any	There is no habitation and no involvement of R&R.		
j.	Elevation of the project site	87 m above msl		
k.	Involvement of Forest land if any.	Forest land of 8.02 Ha. Stage – I Forest clearance was approved Vide MoEF&CC letter no F. No. 4-TSC182/2021-HYD/116 dated 30th July, 2021		
l.	Water body exists within the project site as well as study area	**Project Site:** No water Bodies exists in project area **Study area** 1. Krishna River – 1.14 km – SE 2. Naguleru Vagu – 3.93 km - S 3. Musi River – 3.39 km – WNW 4. Bugga Vagu -4.46 km – W 5. Wazirabad Minor – 7.32 km – W		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nearest Reserved Forests: 1. Ravipahad RF – Adjacent – N; 2. Saidulnam RF – Adjacent - W 3. Wazirabad RF – 3.7 km – W 4. Pasupulabodu RF – 1.0 km – WNW 5. Nirchinta Vagu RF – 2.3km - ENE 6. Mangalabodu RF–3.5km–N; 7. Madinapadu–RF–2.3km–SE 8. Madinapadu – Extension RF – 2.4 km – SSE 9. Gamalapadu RF – 2.6 km – S		
n.	Project cost	Proposed – Rs. 600 Crores INR		
o.	EMP cost	**Type**	**Capital (Rs. in Crores)**	**Recurring (Rs. in Crores)**
		Proposed	60.0	1.14
p.	Employment opportunity	170 person		
q.	Water and Power requirement	(Existing + proposed)Water –2617 m³/day, Power – 24 MW		

Unit configuration and capacity:

Cement Plant	Present approved Capacity as per MoEF EC (MTPA)			Capacity after proposed enhancement (MTPA)		
	Clinker	Cement	Power (MW)	Clinker	Cement	Power (MW)
Unit – I	0.5	0.3	18	0.5	0.3	33MW • 18 MW Coal based power plant • 15 MW Waste Heat Recovery Power Plant
Unit – II	1.2	1.5		1.2	1.5	
Unit – III	-	-		1.5	2.2	
Total	**1.7**	**1.8**		**3.2**	**4.0**	

5. The EAC, in its 6th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 30-31st May, 2022, based on information and clarifications/information provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

6. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 and further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby **decided to grant Environment Clearance for instant proposal of M/s. Deccan Cement Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. **Specific Conditions:**

(i) **This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.**

(ii) The water bodies passing adjacent to project site within the study area shall not be disturbed. Detailed mitigation measures to prevent any impacts on the water bodies needs to be prepared and implemented.

(iii) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(iv) The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.

(v) The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.

(vi) Particulate matter emissions from all the stacks shall be less than 30 mg/Nm^3.

(vii) Three tier Green Belt shall be developed in a time frame of one year covering 33% of the total land area with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years.

(viii) 3474 m^3/day KLD of water requirement after the proposed expansion shall be met from recycling of treated wastewater from the existing and proposed power plant's ETP and Krishna River after obtaining requisite permission from the Competent Authority. No ground water abstraction is permitted.

(ix) All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.

(x) Slip roads shall be provided at the gates and along crossings on main roads.

(xi) All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.

(xii) Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.

(xiii) Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.

(xiv) Project proponent shall develop separate drainage system for storm water and industrial waste water and effectively prevent the pollution of natural waterbody.

(xv) Rain water harvesting shall be carried out as per the action plan submitted in the EIA report.

(xvi) All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six monthly compliance report.

(xvii) A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

(xviii) The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

B. General conditions:

I. Statutory compliance:

i. **The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.**

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.

iii. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

iv. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;

v. The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;

vi. Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.

III. Water quality monitoring and preservation

i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement)as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.

iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.

iv. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off

v. Water meters shall be provided at the inlet to all unit processes in the cement plant.

vi. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

i. Waste heat recovery system shall be provided for kiln and cooler.

ii. The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.

iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.

iv. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

VII. Green Belt

i. PP shall undertake the backlog and gap filling of greenbelt work@ 2500 plants/hectare in the 2022 monsoon season itself and shall accordingly increase the budget for green belt purpose.

ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.

iii. Project proponent shall submit a study report within six months on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage after offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.

VIII. Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.

iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt six villages namely Ravipahad, Mahankaligudem, Janpahad Darga, Janpahad, Kalmetthanda and Sunyapahad based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

X. Miscellaneous

i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.

v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

ix. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.

x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

xv. Any appeal against this EC 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.

7. This issues with the approval of the Competent Authority.

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in

Encl. as above at Annexure –I

Copy to: -

1. The Secretary, Department of Environment, Government of Telangana, Hyderabad.
2. The Secretary, Department of Forests, Government of Telangana, Hyderabad.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. The Principal Chief Conservator of Forests, Telangana, Aranya Bhavan, Saifabad, Hyderabad-500004.
5. Inspector General of Forests, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Vijayawada Green House Complex, Vijayawada, Andhra Pradesh 520010
6. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
7. Chairman,Telangana State Pollution Control Board, NH65, MRF Colony, RC Reddy Colony, Ramachandra Puram, Hyderabad – 502032.
8. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. District Collector, Suryapet District, Government of Telangana.
10. Guard File/Record File/Monitoring File/Parivesh Portal

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar,
Hyderabad-500 018
Phone : 040-23887500

CONSENT ORDER FOR ESTABLISHMENT (EXPANSION) – RED CATEGORY

Order No.11/TSPCB/CFE/SPT/RO-NLG/HO/2022 **Dt:10.08.2022**

Sub:	TSPCB – CFE - M/s. Deccan Cements Ltd., Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District – Application for CFE for expansion - Consent for Establishment (Expansion) of the Board under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21 of Air (Prevention and Control of Pollution) Act, 1981 - Issued - Reg.
Ref:	1. CFO Order dt. 07.12.2017. 2. CFO Order dt. 29.04.2020 (for 7 MW WHRB). 3. EC Expansion Order dt. 06.07.2022. 4. CFE expansion application dt. 11.07.2022 (Application No. 3928997). 5. RO's verification report dt. 30.07.2022. 6. CFE-CFO Committee meeting held on 01.08.2022.

***

1. M/s. Deccan Cements Ltd., Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District, obtained CFO order vide reference 1st cited for manufacture of Clinker, Cement manufacturing and obtained CFO order vide reference 2nd cited for waste heat recovery captive power plant of 7 MW.

2. The industry has obtained EC (Expansion) vide reference 3rd cited for expansion by installation of new Unit-III and Power generation to 33 MW (by installation of additional WHRB).

3. The industry, vide reference 4th cited, submitted an application to the Board seeking Consent for Establishment (CFE) for expansion with the following products and capacities, as mentioned below:

S. No.	Name of the products	Existing capacity as per CFO Order dt.07.12.2017 & 29.04.2020.	Proposed capacity	Total Capacity after expansion
	Unit – I (Existing)			
1	Cement*	0.3 MTPA.	---	0.3 MTPA.
2	Clinker	0.5 MTPA.	---	0.5 MTPA.
**The Cement production of 0.3 MTPA is produced from permitted Clinker production of 0.50 MTPA.*				
	Unit – II (Existing)			
1	Cement**	1.5 MTPA.	---	1.5 MTPA.
2	Clinker	1.2 MTPA.	---	1.2 MTPA.
3	Power generation	18 MW	---	18 MW
*** The Cement production of 1.5 MTPA is inclusive of 1.2 MTPA of Clinker production.*				
	Power generation (Based on Waste Heat Recovery)	7 MW	--	7 MW
	Unit – III (Proposed)			
1	Cement #	---	2.2 MTPA	2.2 MTPA
2	Clinker	---	1.5 MTPA	1.5 MTPA
3	Power generation (Based on Waste Heat Recovery)	---	8 MW	8 MW
# The Cement production of 2.2 MTPA is inclusive of 1.5 MTPA of Clinker production.				

4. As per the application, the above expansion is to be carried out within the existing plant premises located at Bhavanipuram, Mahankaligudem, Ravipahad (V), Palakeedu (M), Suryapet District in an area of 74.5 Ha.

5. The above site was inspected by the Environmental Engineer, Regional Office, T.S. Pollution Control Board, Nalgonda on 30.07.2022 and found that the site is surrounded by:

   North – Reserve forest (RF);
   South – Colony followed by RF;
   East – Ravipahad RF;
   West – Captive Mine.

6. The Board, after careful scrutiny of the application, verification report of Regional Officer, EC expansion order dt. 06.07.2022 and after examining in the CFE-CFO Committee meeting held on 01.08.2022, hereby issue CONSENT FOR ESTABLISHMENT for Expansion to your industry under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued to manufacture the products as mentioned at para (3) only.

7. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

8. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
Bhavanipuram, Mahankaligudem, Ravipahad (V),
Palakeedu (M), Suryapet District.

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

V.V.Reddy
Joint Chief Environmental Engineer

Page 1 of 6

SCHEDULE - A

1. This order is valid for a period of 5 years from the date of issue. Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for information of the inspecting officers.
2. The proponent shall obtain Consent for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under sec. 21/22 of the Air (Prevention and Control of Pollution) Act, 1981, before commencement of the activity.
3. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.
4. The industry is liable to pay compensation for any environmental damage caused by it as fixed by the Hon'ble Courts, Collector and District Magistrate as Civil liability.
5. The rules and regulations notified under Environmental Acts by the MOEF&CC and by the Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
6. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
7. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, to review any and/or all the conditions imposed herein, to modify conditions or stipulate any further conditions and to take action including revocation of this order in the interest of public health and environment.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per the State Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE – B

Water:

1. The source of water is River Krishna and Mine pit and the maximum permitted water consumption shall not exceed 3474 KLD after expansion. Industry shall comply with the following:

S.N	Purpose	Quantity (KLD)
	A. Cement Plant	
1	Cooling	645
	B. Captive Power Plant	
1.	Filter back wash	21
2.	DM Plant regeneration	21
3.	Cooling water make up	2252
4.	Boiler feed	50
5.	Service water wash	40
6.	Clarifier blow down	18
7.	Domestic	387
8.	Gardening	40
	Total	**3474 KLD**

Page 3 of 6

2. The maximum Waste Water Generation after expansion shall not exceed the following:

S. No.	Source	Quantity (KLD)
Captive Power Plant		
1.	Filter back wash	21
2.	DM Plant regeneration	21
3.	Cooling water make up	450
4.	Boiler feed	40
5.	Service water wash	45
6.	Clarifier blow down	20
7.	Domestic	260
	Total	857 KLD

3. The industry shall comply with the following:

Source of Effluent	Mode of final disposal
Filter back wash, DM plant regeneration, Cooling water system make up, Boiler feed, Service water wash & Clarifier blow down	After treatment, shall be used for dust suppression, Cement plant and gardening.
Domestic	Shall be treated in STP and treated waste water shall be used for onland irrigation.

4. The domestic waste water from the plant shall be treated in STP. The treated waste water shall be used for onland irrigation.

5. The effluents shall be treated to the on land for irrigation standards, stipulated under Environment (Protection) Rules, 1986, notified and published by Ministry of Environment and Forests, Government of India as specified in Schedule VI vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof, and additional standards / conditions stipulated by TSPCB.

6. Separate energy meters shall be provided for Sewage Treatment Plant (STP) to record energy consumed.

7. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below:

a) Industrial cooling, boiler feed.
b) Domestic purposes.
c) Processing, whereby water gets polluted and pollutants are easily bio-degradable.
d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

Air:

8. The proponent shall comply with the following for controlling air pollution :

S. No	Description of source	Capacity	Air pollution control equipment
1	Vertical Raw mill -1	50 TPH	Pulse Jet Bag Filter
	Vertical Raw mill -2	50 TPH	
	Kiln-1	1450 TPD	
2	Cooler-I	1450 TPD	ESP
3	Coal Mill-I	12 TPH	Bag filter
4	Cement Mill-I&II	16 TPH	Bag filter

Page 4 of 6

5	VRM Raw Mill	250 TPH	RABH
	Kiln-2	3650 TPD	
6	Cooler-II	3650 TPD	ESP
7	Coal Mill-II	30 TPH	Bag filter
8	Cement Mill-III	160 TPH	Bag filter
9	Slag Cement Mill	--	Bag filter
10	Limestone crusher	1000 TPH	Bag filter
11	Boiler	70 TPH	ESP
12	DG set	1000 KVA	Silencer
13	Raw Mill -3 (proposed)	350 TPH	RABH & Dust
	Kiln-3 (proposed)	4550 TPD	Collector
14	Cooler-3 (proposed)	4550 TPD	Bag filter
15	Coal Mill-3 (proposed)	50 TPH	Bag filter
16	Cement Mill-4 (proposed)	270 TPH	Bag filter

9. A sampling port with removable dummy of not less than 15 cm diameter shall be provided in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. A platform with suitable ladder shall be provided below 1 meter of sampling port to accommodate three persons with instruments. A 15 AMP 250 V plug point shall be provided on the platform.

10. The ESP and Bag filters shall be designed such that 25% of additional capacity is available as spare to meet the emergency requirements. Industry shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

11. Separate energy meters shall be provided for Air pollution Control equipments to record energy consumed.

12. The industry shall maintain the concreted haulage roads provided in the plant to avoid the fugitive dust emissions. Vacuum / pneumatic dust collection system shall be used for cleaning the internal roads.

13. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MOE&F, GOI vide notification No. GSR 826(E), dated. 16.11.2009, during construction and regular operational phase of the project.

14. The proponent shall maintain the interlocking system provide for air pollution control equipments provided with raw material feeding system so that the feeding of raw material would be stopped in case the air pollution control equipments fails.

15. The SPM Concentration in emissions from the Kiln and other air pollution sources shall not exceed 30 mg/Nm^3.

16. The industry shall operate and maintain the Continuous Online Stack Emission Monitoring System provided to Stacks of the existing units and also maintain the 3 Nos. of CAAQM stations and connect to the Board Server. The industry shall install Continuous Online Stack Emission Monitoring System to the new unit.

17. Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report as stipulated in the EC expansion order.

18. All the raw material shall be stored in covered sheds. All stockyards shall be provided with impervious flooring and shall be equipped with water sprinkling system for dust suppression. The stock yards shall be provided with garland drains to trap the run off material.

19. Coal shall be conveyed to the new coal handling plant through closed conveyor system. All transfer points shall be provided with bag filters as proposed in EMP.

20. Encasement of noise generating sources shall be done to control noise levels. Steam turbine and generator shall be provided with acoustic enclosures and located in closed building to reduce ambient noise levels.

Solid Waste:

21. The industry shall comply with the following after expansion:

S. No	Name of the Hazardous waste	Quantity	Disposal Option.
1	a) Fly ash	280 TPD	Shall be used in PPC Cement.
	b) Bottom Ash/ Bed Ash		
2	Waste oil	44 KLPA	1. Part of it used in the lubrication of drag chains and elevators. 2. Sold to Board's authorized oil re-processors
3	Waste Grease	7.2 TPA	

22. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

a) Hazardous waste and other wastes (Management and Transboundary movement), Rules, 2016.
b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
c) Batteries (Management & Handling) Rules, 2001 and its Amendment Rules, 2010.
d) E-Waste (Management) Rules, 2016 and its Amendment Rules, 2018.
e) The Plastic Waste Management Rules, 2016.
f) Bio-Medical Waste Management Rules, 2016 and its Amendment Rules, 2018.
g) Solid Waste Management Rules, 2016.
h) Construction and Demolition Waste Management Rules, 2016.

Other Conditions:

23. The industry shall buy and use Refused Derived Fuel (RDF) as fuel in the Cement Plant, generated from the RDF Plants located within a 100 Km radius of the Cement Plant and provide necessary facilities for the same.
24. Existing Green belt shall not be disturbed in the proposed activity. Industry shall develop greenbelt in a time frame of one year covering 33% of total land area, along the periphery, as stipulated in EC expansion order.
25. The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc., on all sources of noise generation.
26. Industry shall comply with the orders of the Hon'ble High Court in WP (PIL) No. 26 of 2022.
27. The proponent shall comply with all the directions issued by the Board from time to time.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd.,
Bhavanipuram, Mahankaligudem, Ravipahad (V),
Palakeedu (M), Suryapet District.

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

V Reddy
Joint Chief Environmental Engineer

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad-500 018
Phone : 040-23887500

REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT (EXPANSION) – RED CATEGORY

Lr.No. 277/PCB/CFE/SRPT/RO-NLG/HO/2023 **Dt.27.10.2023**

Sub:	PCB – CFE - M/s. Deccan Cements Ltd, (Bhavanipuram Lime Stone Mine - 3), Ravipahad (V), Palakeedu (M), Suryapet District – Application for CFE Expansion - Consent for Establishment of the Board for expansion under Sec.25 of Water (Prevention and Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention and Control of Pollution) Act, 1981 – Issued – Reg..
Ref:	1. EC Order dt. 05.01.2017. 2. CFO order dt:02.07.2022 valid upto 30.07.2027. 3. EC Order dt. 19/06/2023 4. Industry's CFE application dt. 08.08.2023. 5. RO report dt. 19.10.2023. 6. CFE Committee meeting held on 20.10.2023.

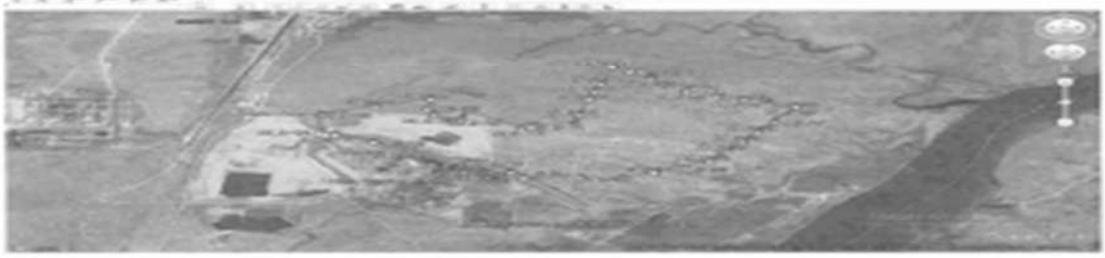
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1. M/s. Deccan Cements Ltd, (Bhavanipuram Lime Stone Mine - 3), Ravipahad (V), Palakeedu (M), Suryapet District obtained CFO of the Board vide ref. 2nd cited valid up to 30.04.2027 and EC order vide ref. 3 cited for expansion in Limestone production from 2.3 Million TPA to 4.6 Million TPA with total excavation of 4.736 MTPA (Limestone: 4.6 MTPA + top soil: 0.136 MTPA) in the mine lease area of 183.11 Ha.

2. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) of the Board for expansion to produce following products with total Project cost of Rs. 10.0 Crores :

S. No.	Name of the Products	Existing CFO order dt: 07.06.2022	Proposed Expansion quantity	Total after expansion
1	Lime Stone Mining	2.3 Million TPA	2.3 Million TPA	4.6 Million TPA
2	Top Soil	...	0.136 Million TPA	0.136 Million TPA

3. As per the application, the above activity is to be located at Ravipahad (V), Palakeedu (M), Suryapet District, in an area lease area of 183.11 Ha. and the GPS Coordinates are Latitude- N:16° 42' 38" and E: 79° 43' 59".



Page 1 of 8

4. The above site was inspected by the Environmental Engineer and Asst. Environmental Engineer Regional Office, Nalgonda, T.S. Pollution Control Board on 26.09.2023 and observed that the site is surrounded

North	:	Saidulanama Reserve Forest
South	:	M/s.Deccan Cements Ltd Plant
East	:	Forest land followed by/ Ravipahad Village
West	:	Forest land followed by/ Mahankaligudem – Nereducherla Road

5. The Board, after careful scrutiny of the application, verification report of the Regional Officer and after examining in the CFE Committee meeting held on 20.10.2023 hereby issues CONSENT FOR ESTABLISHMENT expansion to the industry under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under. This Order is issued to manufacture the products as mentioned at Para (1) only.

4. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

5. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule `B'

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd,
(Bhavanipuram Lime Stone Mine - 3),
Ravipahad (V), Palakeedu (M), Suryapet District.

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

SENIOR ENVIRONMENTAL ENGINEER

SCHEDULE – A

1. **This order is valid for a period of 5 years from the date of issue.** Progress on implementation of the project shall be reported to the concerned Regional Office, T.S. Pollution Control Board once in six months. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for information of the inspecting officers.

2. The proponent shall obtain Consent for Operation (CFO) from TSPCB, as required Under Sec.25/26 of the Water (Prevention and Control of Pollution) Act, 1974 and under sec. 21/22 of the Air (Prevention and Control of Pollution) Act, 1981, before commencement of the activity.

3. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.

4. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Hon'ble Courts, Collector and District Magistrate as Civil liability.

5. The rules and regulations notified under Environmental Acts by the MOEF&CC and by the Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.

6. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.

7. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, to review any and/or all the conditions imposed herein, to modify conditions or stipulate any further conditions and to take action including revocation of this order in the interest of public health and environment.

8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per the State Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution) Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

SCHEDULE – B

Water:

1. The source of water is from Mine seepage water. The maximum permitted water consumption after expansion is 250.0 KLD.

S. No.	Purpose	Quantity
1	Water Sprinkling & Spraying in mine pits (dust suppression)	170KLD
2	Green Belt	65 KLD
3	Domestic	15 KLD
	Total	**250 KLD**

2. The maximum Waste Water Generation after expansion shall not exceed the following:

Sl.No.	Waste Water Generation	Total
1	Domestic	3.0
	Total	**8.0 KLD**

Effluent Treatment & Disposal: Industry shall comply with the following:

Source of Effluent	Treatment	Mode of final disposal
Domestic effluents	---	STP followed by ETP(wetlands)

3. The industry shall ensure that no natural water course shall be obstructed due to any mining operations.

4. Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development, etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.

5. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.

6. Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the proponent in and around project area in consultation with the Regional Office, TSPCB. The frequency of monitoring shall be four times a year pre-monsoon (April/May), monsoon (August), Post-monsoon (November), and winter (January). The trend analysis of ground water quality monitoring shall be compared with base line data and requisite preventive measures shall be implemented to avoid depletion / deterioration of the ground water sources. Data thus collected shall be sent at regular intervals to the Regional Office, TSPCB.

7. The proponent has to provide a trench for storm water draining from the mine lease area to aid in preventing the sedimentation of silt and avoid siltation at the discharge end of check dams.

8. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.

   a) Spraying in mine pits.
   b) Domestic purposes.
   c) Processing, whereby water gets polluted and pollutants are easily bio degradable.
   d) Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

9. The industry shall install separate water meters for the mine for recording the water consumption in the mine, with necessary pipeline for assessing the quantity of water used for each of the purposes mentioned below and shall maintain records of the same:

a. Spraying in mine pits (b) Domestic purposes (c) Processing, whereby water gets polluted and pollutants are easily biodegradable.

10. The proponent shall construct a bund all along the mine lease boundary to avoid mine inundation to back waters of River Krishna.

11. The proponent shall obtain from CGW/SGWA before drawing ground water for the project activities.

12. The proponent shall use the converted mine pit water for recreational activities such as fish culture and fencing shall be provided.

13. The proponent shall provide and maintain rain water harvesting measures on long term basis augment ground water resources in the area.

Air:

1. The proponent shall comply with the following for controlling fugitive emissions.

   - The industry has proposed to adopt wet drilling method and controlled blasting techniques as per DGMS norms to control dust emissions.
   - The industry has provided 2 Nos. of mobile water tankers (5KL & 20 KL capacities) to sprinkle water on haul roads to control fugitive dust emissions during the vehicular movement. During inspection observed that they are carrying road wetting.
   - They informed that they will regularly maintain the vehicles to avoid noise nuisance from the vehicles.
   - Water spraying shall be done on the blasted muck pile before loading by excavator to suppress the dust.
   - To control dust from drilling operations, drilling with dust collectors/wet drilling shall be practiced. Also drill speeds shall be regulated as per manufacturer's guidelines.
   - Regular Water spraying shall be done on haul roads and during unloading at crusher hopper to suppress the dust effectively.
   - Overloading of transport equipment shall be prevented in order to stop spillage.

2. The proponent shall comply with the following for controlling noise emissions.

   - Machineries shall be properly maintained to prevent undesirable noise. Attention shall be paid towards rigorous maintenance of the silencers of diesel engines.
   - Surface drilling and blasting operations shall not be carried out at night.
   - The drilling shall be done with sharp drill bits to reduce generation of noise during drilling.
   - Controlled blasting with optimum charge per hole shall be practiced to reduce generation of noise.
   - Hydraulic rock breaker shall be used in lieu of secondary blasting.
   - Drill machine operators and dumper drivers shall be equipped with earplugs and earmuffs. The duty hours of operators working near the machinery shall be regulated to keep their noise exposure levels within limits.
   - Periodical monitoring of noise level of mining machines and at some locations in the mining site shall be done with the help of noise level meter.

3. The propcnent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, Gol vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.

4. The proponent shall install 3 online ambient air quality monitoring stations in core and buffer zone in down windward direction in consultation with concerned Regional Officer of TSPCB for monitoring of $PM_{2.5}$, PM_{10}, SO_2, NOx. The consolidated monthly report of the same shall be submitted.

5. The proponent shall provide permanent water sprinklers along the roads as per EC Expansion order dated: 19.06.2023.

6. The proponent shall peridically monitor peak particle velicity at 500 m distance with the nearest habitation which is closer as per EC Expansion order dated: 19.06.2023

7. Sequential blasting and use of non-electric delay detonators shall be adopted to reduce ground vibrations.

8. Periodical monitoring of blasting vibrations shall be carried out with seismograph and maintain records.

9. The proponent shall adopt effective dust suppression system at transportation area and other parts of the mining lease to arrest fugitive dust emissions.

Solid Waste:

10. The proponent shall comply with the following,

S. No	Description Waste	Total after expansion	Method of disposa
1	Waste oil	16.0 KL/Year	• Part of it used for lubrication of drag chains and elevators. • Sold to authorized Re-processors.
2	Waste Grease	0.5 MT/Year	

11. Top Soil, if any, shall be stacked with adequate measures with proper slope at earmarked site (s) only and shall be used for reclamation / plantation and rehabilitation of mined out areas.

12. The following rules and regulations notified by the MoEF&CC, Gol shall be implemented.

    a) Solid Waste Management Rules, 2016.
    b) Construction and Demolition Waste Management Rules, 2016.
    c) Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
    d) The Plastic Waste Management Rules, 2016.
    e) Battery Waste Management Rules, 2022.
    f) E-Waste (Management) Rules, 2022.
    g) Bio-Medical Waste Management Rules, 2016 and its Amendment Rules, 2018.

13. The proponent shall periodical monitor and maintain the health records of the mine works digitally prior to mining operation.

14. The proponent shall start over burden waste and top soil generated during the mining operation shall be stopped at earmarked OB dump sites only and should not be kept for a long period of time.

15. The proponent shall develop slopes of dumps vegetated in scientific manner which suitable native species to maintain the slope stability, prevent erosion and surface run off.

16. The proponent shall explore the possibility of using atleast 20% of electrical vehicles instead of diesel vehicle.

17. The proponent shall develop green belt of 7.5 m wide safety zone all along the mine lease boundary. The industry shall carryout plantation / afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas as per EC Order.

18. The proponent shall obtain necessary mining approvals from the Department of Mines & Geology, Govt. of T.S / Indian Bureau of Mines(IBM) and shall also obtain Consent For Operation from the TSPCB before the commencement of mining activity. This shall be strictly adhered to without fail In any case, the proponent shall not exceed its limestone mining more than the capacity approved by IBM / MOE&F, GOI.

19. The proponent shall obtain license from Chief Controller of Explosives for handling of magazine for mining operation.

20. The proponent shall explore the possibility to convert mined area into a reservoir by plugging the leakages

21. The proponent shall carryout studies on ground vibrations due to blasting activities. Based on the reports of every blast, the blasting parameters shall be modified if necessary with approval of concerned department

22. The proponent shall adopt incline hole drilling to reduce the noise and ground vibration and not more than 15 -20 holes shall be drilled in one round of blast. Muffle blasting shall be done towards the villages side.

23. The proponent shall ensure that there shall not be any change in the process technology and scope of working without prior approval from the Board.

24. The proponent shall comply with all the directions issued by the Board from time to time.

25. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attracts action under the provisions of relevant pollution control Acts.

26. The Board reserves its right to modify above conditions or stipulate any additional conditions in the interest of environment protection.

27. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

Sd/-
MEMBER SECRETARY

To
M/s. Deccan Cements Ltd,
(Bhavanipuram Lime Stone Mine - 3),
Ravipahad (V), Palakeedu (M), Suryapet District.

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

SENIOR ENVIRONMENTAL ENGINEER

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director/Works
DECCAN CEMENTS LIMITED
M/S DECCAN CEMENTS LIMITED,M/S DECCAN CEMENTS LIMITED,Hyderabad,Telangana-500082

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/TG/MIN/403846/2022 dated 21 Oct 2022. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC23A001TG110260**
2.	**File No.**	J-11015/375/2015-IA.II(M)
3.	**Project Type**	Expansion
4.	**Category**	A
5.	**Project/Activity Including Schedule No.**	1(a) Mining of minerals
6.	**Name of Project**	Expansion of Bhavanipuram Limestone Mine-3 for increase of Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.736 MTPA (Limestone: 4.6 MTPA + Top Soil : 0.136 MTPA) by M/s. Deccan Cements Limited
7.	**Name of Company/Organization**	DECCAN CEMENTS LIMITED
8.	**Location of Project**	Telangana
9.	**TOR Date**	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 19/06/2023

(e-signed)
Pankaj Verma
Scientist E
IA - (Non-Coal Mining sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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F. No. J-11015/375/2015-IA. II(M)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division
***

3rd Floor, Vayu Wing,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj,
New Delhi-110 003

Dated 16th June, 2023

To,

M/s. Deccan Cements Limited,
Deccan Chambers, 6-3-666/B,
Somajiguda, Hyderabad – 500082.

Subject: - Bhavanipuram Limestone Mine-3 of M/s. Deccan Cements Limited (DCL) for expansion in Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.736 MTPA (Limestone: 4.6 MTPA + Top Soil: 0.136 MTPA) in the mine lease area of 183.11 Ha, located at Compartment No. 26 & 27, Saidulnama Reserved Forest, Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana - Environmental Clearance (EC) regarding

Sir,

This has reference to the online proposal no. IA/TG/MIN/403846/2022 for grant of Environmental Clearance (EC) for mining of Limestone in Bhavanipuram Limestone Mine-3 of M/s. Deccan Cements Limited (DCL) for expansion in Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.736 MTPA (Limestone : 4.6 MTPA + Top Soil : 0.136 MTPA) in the mine lease area of 183.11 Ha, located at Compartment No. 26 & 27, Saidulnama Reserved Forest, Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana.

2. The details of the project as ascertained from the documents submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

i. The mine lease area is located between Latitude 16°42'38.70"N - 16°43'26.00"N and Longitude 79°42'26.40"E - 79°43'53.90"E. The mine lease area falls under the Survey of India Toposheet No: 56P/10 and falls in Seismic Zone-II.

ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the Interstate Boundary of Telangana - Andhra Pradesh is located at a distance of 1.0 km, SE from the mine lease area and appraised at the Central level.

iii. The proposal was earlier considered in the 6th EAC (Non-Coal Mining) meeting held during 8th - 11th November, 2022 wherein the EAC after detailed deliberations deferred the proposal. Then, the Project Proponent submitted the information on 15.02.2023 in Parivesh portal and accordingly the proposal was reconsidered in the 11th EAC (Non-Coal Mining) held during 1-2 March, 2023.

iv. The details of the previous Environmental Clearance (EC) are furnished as below:

Date of application	File. No/ Proposal No	Consideration	Details	Date of accord
23.06.2007	IA/TG/MIN/ 31399/2007 J-11015/ 642/ 2007-IA.II(M)	-	Environmental Clearance for Bhavanipuram Limestone Mine-3 (ML Area:183.11 Ha) with production capacity of 0.3 million TPA located at village Ravipahad Mandal-Nereducerla, District-Nalagonda, Andhra Pradesh	18.10.2007
25.08.2016	J-11015/ 375/2015-IA.II(M) IA/TG/MIN/ 31400/2015	October 24-25, 2016	Environmental Clearance for Bhavanipuram Limestone Mine with enhancement of production capacity from 0.3 million TPA to 2.3 million TPA of limestone by M/s. Deccan Cement Ltd., located at village(s)- Ravipahad Mandal- Nereducerla, District-Nalagonda, Telangana (MLA: 183.11 ha)	05.01.2017

v. The details of the previous Terms of Reference (ToR) are furnished as below:

Date of application	File. No/ Proposal No	Consideration	Details	Date of accord
30.11.2019	J-11015/ 375/2015-IA.II(M) IA/TG/MIN/ 128383/2019	19-20 December, 2019	Terms of Reference for expansion in Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.6 MTPA (Limestone : 4.6 MTPA + Waste/Reject/ IB/OB/Top Soil: Nil) of Bhavanipuram Limestone Mine-3 in the mine lease area of 183.11 Ha, located at Saidulnama Reserved Forest [Compartment No. 26 & 27], Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana by M/s Deccan Cements Limited	12.02.2020
09.08.2021	J-11015/ 375/2015-IA.II(M)	16th – 19th August, 2021	Amendment in ToR dated 12.02.2020 for M/s Deccan Cement Limited for change in Total Excavation from	20.09.2021

	IA/TG/MIN/ 221180/2021		4.6 MTPA to 4.7368 MTPA (Limestone : 4.6 MTPA + Top Soil : 0.136 MTPA) of Bhavanipuram Limestone Mine-3 in the mine lease area of 183.11 Ha, located at, Ravipahad Village, PalakeeduMandal, Suryapet District, Telangana.	

vi. Details of Mine lease:

a) The Project Proponent submitted that the initially the Govt. of Andhra Pradesh vide G.O Ms. No. 182 dated 16.12.2013 have granted the mining lease for Limestone over an extent of Acres 452.43 gts. (183.11 Ha) for a period of 20 years in favour of M/s Deccan Cements Limited.

b) Then, the Govt. of Telangana vide G.O Ms. No. 9 dated 12.09.2014 issued amendment in grant of mining lease stating that The words "a period of 20 years" occurred in the Abstract and in Para 4of the G.O.Ms.No.182, Industries and Commerce (M.I) Department, dated 16.12.2013 shall be substituted with the words "a period of 30 years".

c) Thereafter, the Govt. of Telangana vide G.O Ms. No. 12 dated 21.02.2017 have extended the lease period upto 50 years from the date of original grant of Mining lease i.e. from 28.12.2013 to 27.12.2063 for the Mining Lease held by M/s.Deccan Cements Limited for Limestone over an extent of Acres 452.43 Gts (183.11 Hectares).

d) The Project Proponent submitted that the Supplementary Lease dead made on 09.05.2017 between Govt. of Telangana and M/s Deccan Cements Limited for a period of 50 years over an area of 183.11 Ha.

vii. Land Use/Land Cover of the Mine Lease Area:

Private land	Nil
Forest Land	183.11 Ha
Total Mining lease area (MLA)	183.11 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil
Additional information (if any)	Stage-II Forest Clearance was obtained vide letter No. 8-85/2010-FC, vide dated 13.09.2013 under Section-2 of the Forest (Conservation) Act,1980 for diversion of 183.11 ha. forest land in favour of M/s. Deccan Cement Ltd., Hyderabad for their limestone mining project located in compartments No. 26 & 27 of Saidulhama Reserved Forest of Nalgonda Forest Division in Nalgonda district of Andhra Pradesh.

viii. Details of Mining Plan: -

Approval of Modification in the approved Mining Plan (including	Letter No.	AP/NLG/MP/Lst-73/Hyd
	Date	12.07.2021

Progressive Mine Closure Plan) approved by Indian Bureau of Mines (IBM)	Mineral	Limestone
	Mine lease area	183.11 Ha
	Validity	2021-22 to 2022-23
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting	
Mineable Reserve	76.026 Million Tonnes	
Life of mine	17 years @4.60 MTPA (Mining Lease period is valid up to 27.12.2083)	
Bench Height	8m	
Bench Width	20m	
Individual bench slope	70°	
Overall pit slope	45°	
Drilling/Blasting	Drilling is being carried out by wagon drills Blast holes having 115mm diameter are drilled at 5° inclination in a pattern of 4 m Burden and 6 m spacing.	
RoM output size	50 mm	
Transportation details	Limestone will be transported by dumpers and unloaded in the crusher (900 tonnes per hour) - at cement plant by a road length of 1.5 km	
Dumpers capacity	35 tonnes Tippers	
Solid waste Generation at end of mine life.	No waste is envisaged from the mine. 0.1 million cu.m soil will be generated during life of mine and will be utilised for afforestation with in the mine site.	
Depth of mineral deposit and Mining Depth	Mineral depth: 18 - 20 m bgl. Presently Working Depth: 16 m bgl Ultimate Depth of Mining for the life of mine is 25 m bgl	
Details of intersecting water level	Water table 60 m bgl, Mining operations will not intersect ground water table	

ix. Water requirement:

Total water requirement	250m³/day	Fresh water	250m³/day
		Treated water	0
Source	River Krishna /existing adjacent Mine pit		
Permission	Renewal of Permission obtained from Irrigation & CAD Department, Government of Telangana, G.O.Ms.No. 13 Dated: 30-03-2022 for drawl of 5,00,000 gallons per day from Krishna river to M/s Deccan Cements Limited Ravipahad near Mahankaligudem(V), Palakeedu (M), Suryapet District for a period of 5 years (i.e 25.06.2021 to 24.06.2026).		
Water management plan for an area of 162.42 ha which will be converted into water reservoir and its utilization for benefit of the agriculture and local people and also the schedule of environment monitoring to check the quality of water.	The Project Proponent has submitted that the water body will be formed after reaching the pit limits and void will be filled up with water. An area of 162.48 ha will be converted into permanent water body and will act as a source of surface water to the farmers and nearby villages with water storage depth of maximum of 25 m. Based on the present planning of 4.6 MTPA limestone production, the life of mine will be 17 years. Two mine pits will be formed during the course of mining. The availability of water pits to the farmers are given		

	below: i. PIT-1: 97.4 Ha – Available as water reservoir by the end of year 2033. ii. PIT-2: 65.08 Ha - Available as water reservoir by the end of 2038. PP also submitted that on exhaustion of the limestone, fencing will be made around the mine pits to ensure safety of animals and human before surrendering the mining lease area to Forest Department. Since the mining lease area is a Forest Land, permitting use of water by the farmers will be the decision of Forest Department once it is surrendered. Further, PP submitted that the water pumping arrangement will be provided at a cost of Rs.10 Lakh, for pumping out water from the mine pit for agriculture activities in the nearby area. During the final closure plan, pump house set-up will be handed over to the Forest Department. Monitoring of water quality after surrendering the land will be in the scope of Forest Department as PP will not have lease with them once it is surrendered.

x. Nearest village / town/ highway/railway station / water bodies/monument:

Particulars	Particular's Name	Distance &Direction
Nearest village	Ravipahad	0.6 km, SE
Town	Nalgonda	60.3 km, NW
Highway	State Highway (SH - 36) - Hyderabad - Guntur	6.0 km, W
Interstate boundary	Telangana - Andhra Pradesh	1.0 km, SE
Railway station	Janpahad RS	1.0 km, W
Water bodies	Krishna River Musi River Vemuleru River	0.9 km, SE 3.4 km, W 5.9 km, ENE
	The Project Proponent has submitted that a detailed study on Hydraulic, Hydrological and Environmental study of Bhavanipuram Limestone mine was carried out by Department of Civil Engineering, University College of Engineering (A), Jawaharlal Nehru Technological University, Kakinada - Andhra Pradesh. PP has submitted that the study has indicated that "Considering the peak flood discharge in the river Krishna and the corresponding water level as +53.34m which is the HFL in Krishna river, through the present study it is noted that when the HFL behind the dam at Pulichintal is at +53.34 m, the expected water level in the river near the mining area is + 61.15 which is lower than the mine boundary towards the river side (+ 68.02). This establishes that the mining area has no threat of flooding due to backwater from the river Krishna during peak floods".Another possibility for flooding is due to surface runoff resulting from the rainfall within the mining area. Three first order seasonal streams which are having catchment areas within the mining lease are existing. The peak runoff is estimated to be about 1.168 m^3/s.	

	PP also submitted the recommendations made towards better management and production are given below: - i. The Garland drains are to be formed as per the alignment. The drains should start at a level of + 70 (Drain A-B) and + 63.00 (Drain C-D). Both the drains are to end at + 60.00 near the pond. The cross-section of the drains should be 1.75 m X 1.0 m and the same should be along the SE boundary of the mining area. The slope of the drains are to be 0.0091 and 0.0.0075 respectively for A-B and C-D. ii. In view of the possible erosion of the bed as found through the bed load computations, it is recommended that both the drains are to be lined using suitable lining material. iii. A settling pond / pit of size 20m X 20 m X 1.0 m is to be provided for collecting the surface runoff from the leased area of the mine and its upland area. The water collected in the pond during the period of rains is to be dewatered through mobile water tankers. iv. Since the same pond will accommodate any sediment that enters, from time to time the quantity of silt may be observed and to be removed as per the contingency. v. The filling of the pit with sediment to different capacities as guideline for silt removal. The sediment being of fine particle size can be used as a manure and for clinkering purpose in the cement plant. vi. The water that gets accumulated in the pond is to be pumped out from time to time at regular intervals and the same can be used for wetting of the roads, dust suppression and for gardening in the plant premises. Further, PP submitted that the quality of settling tank outlet will be checked for turbidity once in a week during the monsoon season.	
Monument	None	-

xi. Presence of Environmentally Sensitive areas in the study area:

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	The entire mine lease area (183.11 Ha) is part of Saidulnama Reserved Forest (Compartment No. 26 & 27). Stage-II Forest Clearance was obtained vide letter No. 8-85/2010-FC, vide dated 13.09.2013 under Section-2 of the Forest (Conservation) Act,1980 for diversion of 183.11 ha. forest land in favour of Deccan Cement Ltd., Hyderabad for their limestone mining project located in

		compartments No. 26 & 27 of Saidulnama Reserved Forest of Nalgonda Forest Division in Nalgonda district of Andhra Pradesh.
National Park	No	Nil
Wildlife Sanctuary	No	Nil
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	Nil
Schedule-I species	No	The Project Proponent has submitted the letter from the Office of the District Forest Officer, Suryapet vide Rc.No. 2106/2017/S5 dated 05.12.2022 and it is informed that the Forest Range Officer, Huzurnagar has reported that he has inspected the mining lease area on 21.11.2022 along with Forest Section Officer and reported on status of mining lease area (183.11 Ha). DFO have also inspected the mining lease area of M/s Deccan Cements Limited on 26.11.2022 along with Forest Range Officer, Huzurnagar. The mining lease is falling under Comp. No. 26&27 of Saidulnama RF, Janpahad Section, Huzurnagar Range, Suryapet District. The details of Flora and fauna existing in the mining lease area was provided. No adverse effect is reported / observed in the Reserve Forest from any sources due to mining operation.
Status of Wildlife Conservation Plan	-	The Project Proponent has submitted the letter from the Forest Dept. issued by the Principal Chief Conservator of Forests vide Rc.No 5344/2021/FCA-4 dated 18.02.2022 stating that the PCCF (HoFF) & CWLW has submitted the mitigation plan for an amount of Rs.80.00 Lakhs to be spent over for a period of 5 years commencing from 2022-23 and requested to deposit the amount in Biosot account (BioDiversity Conservation Society of Telangana as per the condition no: 10 of Stage-I approval. PP also submitted the receipt of deposit of Rs.80.00 Lakhs towards Conservation plan. Further, PP has submitted the Wildlife Mitigation Plan for the diversion of 8.02 ha of Saidulnama Reserve Forest prepared by Dr V. Vasudeva Rao Principal Scientist &Head, All India Network Project on Vertebrate Pest Management, PJTS Agricultural University.
Measures to protect and development of Forests & Wildlife.	The Project Proponent has submitted that they have approached the Forest Dept. for taking necessary measures in order to protect and development of Forests &Wildlife. The Project Proponent has submitted the letter from the	

	Office of the District Forest Officer, Suryapet vide Rc.No. 2106/2017/S5 dated 05.12.2022 and it is informed that the Forest Range Officer, Huzurnagar has reported that he has inspected the mining lease area on 21.11.2022 along with Forest Section Officer and reported on status of mining lease area (183.11 Ha). DFO have also inspected the mining lease area of M/s Deccan Cements Limited on 26.11.2022 along with Forest Range Officer, Huzurnagar. The mining lease is falling under Comp. No. 26&27 of Saidulnama RF, 'Janpahad Section, Huzurnagar Range, Suryapet District. The details of Flora and fauna existing in the mining lease area was provided. No adverse effect is reported / observed in the Reserve Forest from any sources due to mining operation. DFO have suggested the following conservation measures: i. Formation of Garland Drains, ii. Construction of Check dams and formation of Mini Percolation tanks / Percolation tanks etc., iii. Digging of Contour trench for Greenbelt, iv. Water sprinting to be continuous during movement of vehicles, v. Wet drilling to be continued, vi. Follow MoEF and TSPCB norms for maintaining the dust levels, vii. Avenue plantations and block plantations are to be raised in the existing vacant lands available in the premises of the industrial areas, viii. Blasting should not be done during night times, ix. Strictly follow the Wildlife Protection Act, 1972 Rules better Wildlife protection, x. Strictly follow the Environmental Protection Act Rules, 1986 and xi. Strictly follow the T.S. Forest Act, 1967

xii. Green belt/plantation details:

Proposed area for green belt/plantation	Existing: 3.0 Ha Proposed: 17.63 Ha Total:20.63 Ha.
Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.112 Lakhs Recurring Cost: Rs. 69 Lakhs
Budget for nursery	Nil
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier	5.30
50 m safety zone of nallah, roads, electric linas	Safe Zone of Road and Power line - 11.63 Ha. Safety Zone – Magazine - 3.70 Ha
500 m safety zones of nearest habitation villages	Nil
Action plan for carrying out gap plantation and for undertaking bench plantation along with timeline and	The Project Proponent has submitted that the plantation all along the mining lease boundary in the safety zone of 7.5m was carried out and

costing.	about 19,310 no. of trees are planted so far over an area of 7.74 Ha. It is proposed to take up greenbelt over an area of 2.28 Ha as per approved mining plan by planting 8,100 no. of trees by incurring an amount of Rs 8.1 Lakhs. PP also submitted that in addition to the above, an amount of Rs. 45,11, 617/- to implement the scheme of plantation all along the Janpahad-Ravipahad road on both the sides with 50 m width was paid into the CAMPA account (SB A/C No. 344902010105407, Union Bank of India, Sunder Nagar, New Delhi – 110 003) vide UTR No. SBINH13190303450 dated 09.07.2013. Bench Plantation scheme as approved by the Telangana State Forest Department will be implemented by the Forest Department. Further, PP submitted that an amount of Rs. 24,29, 116/- was already paid into the CAMPA account to implement the scheme of bench plantation (SB A/C No. 344902010105407, Union Bank of India, Sunder Nagar, New Delhi – 110 003) vide UTR No. SBINH13190303 468 dated 09.07.2013.

xiii. Baseline Data: The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter Season i.e., December, 2020 to February, 2021. Project Proponent reported that the ambient air quality monitored at 9 locations and the results are within the prescribed limits of NAAQS. Noise levels were monitored at 9 locations and observed that the day equivalent and night equivalent noise levels recorded in plant & mine sites were found to be in the range of 68.3 – 74.4 dB (A) and 53.1 – 67.8 dB (A) respectively. In villages noise levels were found to be in the range of 52.8 - 55.7dB (A) and 41.3 - 44.8 dB(A) respectively. Ground water sample was collected at 8 locations and surface water sample collected at 8 locations. All parameters of ground water samples are well within the acceptable limits of IS 10500-2012 except for Total Dissolved Solids, Total Hardness, Calcium, Magnesium and Total Alkalinity. These parameters though above acceptable limits, they are well within the permissible limits. Surface water quality values in the study area are within the acceptable limits. Therefore, the surface water available with the study area is fit for the aquatic life and no significant impacts in future are envisaged from the mine site. The Project Proponent has submitted that the modeling studies have been carried out for the revised dumper capacity of 60 T and for total production of 4.6 MTPA. The number of trucks reduced from 34 t/hr to 14 t/hr and total lead distance decreased from 102 km/hr to 43 km/hr due to reduction in number of trips on deploying 60 T higher capacity dumper. PP also submitted that the emission rate of NOx, PM, CO and SO2has been decreased considering the dumper capacity of 60 T.

xiv. Public Hearing Details: -

Advertisement for Public Hearing (PH) with date	07.11.2021 "The Hindu" (English News Paper) and "Saakshi" (Telugu News Paper).
Date of PH	09.12.2021
Venue	Cement plant premises which is adjacent from the Mine site - Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana State
Chaired by	Sri. PatilHemanthKeasv, IAS, Addl. Collector & Addl. District Magistrate, Suryapet District, Telangana.
Main issues raised during PH	i. Provide employment to local youth ii. Regularize the un-skilled casual labourers into semi-skilled on completion of 4 years of service; iii. Reduction in the cost of cement bag to the local village iv. Provide a school bus up to Mandal headquarters v. Utilization of CSR funds to bring awareness among people especially among women over protection of environment through NGOs. vi. Raise avenue plantation along the road connecting to Janpahad vii. Provide lying of a bypass road to avert problem of dust generated due to plying of vehicles would be reduced thereby reducing the chance of infections due to dust. viii. Adopt Mahankaligudem, Sunyapahad, Ravipahad and Komatikunta villages to conduct the health camps ix. Provide villages to to conduct free health camps at Janpahad, CheruvuThanda and other surrounding villages. x. Impart training to the engineers so that they would be able to secure gainful employment elsewhere. xi. Minimize the pollution levels to the maximum extent possible to ensure healthy surroundings.
Budget proposed for addressing issues raised during PH	Rs. 66.0 Lakhs

xv. Rehabilitation & Resettlement:

R & R details	Not Applicable

xvi. Previous EC compliance and production details:

Particulars	Letter no. and date
Consent to Operate	Consent & HWA order (renewal) issued by the Telangana State Pollution Control Board vide order no: 220523588038 dated 02.07.2022 for Limestone production of 2.3 Million TPA for the period upto 30th April,2027.
Certified EC compliance report	Certified EC Compliance obtained from Integrated Regional Office, Hyderabad vide letter No: ENV/IRO-HYD/CCR-55/A/2022 dated 19.09.2022. Site visit was conducted on 29.08.2022.
Certified past production	Past production details duly authenticated from the

	Office of the Asst. Director of Mines and Geology, Suryapet vide Lr No.484/M2/2007 dated 23.09.2022
Show Cause Notice under section 5 of the Environment (Protection) Act, 1986	It was observed that M/s Deccan Cements Ltd has violated the specific conditions iii of MoEF No. J-11015/642/2007-IA-II(M)pt dated 18.10.2007 by conducting Mining activity in Mine-3 simultaneously with Mine-2 before exhaustion of mineable Ore of Mine-2 and produced Lime Stone 1000 MT in the year 2014-15, 2,29,400 MT in the year 2015-16 and1,81,000 MT in the year 2016-17 (Up to the date of 04.01.2017) i.e. before the date of Order issued by MoEF No. J-11015/375/2015-1A-II(M)pt dated 05.01.2017 for enhancement of Production capacity of Mine-3, the condition was relaxed in the next EC order dated 05.01.2017". In view of the above, the Ministry vide letter dated 05.08.2021 issued Show Cause Notice to the Project Proponent. The Project Proponent replied to the Show Cause Notice on 16.08.2021. Personal hearing was conducted on 24.09.2021 During the hearing held on 24.09.2021, PP admitted that they have carried out excess mining of limestone during the year 2016-2017, 2017-18 and2018-19 for a quantity of 14,30,000 MT (2016-17), 11,25,000 MT (2017-18) and12,02,800MT (2018-2019) against the approved mining plan quantity of 11,13,099MT (2016-17), 3,00,420MT (2017-18) and 12,00,544 (2018-19) in ML-2. It was further, admitted that mining activity was carried out in ML-3simultaneously with ML-2 not complying to the Specific condition (ii) of EC dated 18.10.2007 in order to allow the plant to operate requiring higher capacity of Limestone (2.1MTPA) as was expected initially (0.3MTPA) while applying for the grant of first EC dated 2007. The Committee decided that the State Govt. shall be asked to take action under the Common cause for recovering the compensation, as applicable. Further, with reference to Show Cause Notice dated 16.08.2021 issued by the Ministry for the above cited violation, CPCB shall impose compensation as applicable for the extant violation, which shall be derived on the basis of calculations as per their guideline. Then, the Dy. Director of Mines & Geology issued a Show Cause Notice to the Project Proponent on 30.12.2021. The Project Proponent replied to the Show Cause Notice on 18.01.2022. The Ministry vide letter dated 09.02.2022 requested the Principal Secretary to Government

	(FAC)Environment, Forests, Science & Technology Department, Telangana to take appropriate action as per the order of Hon'ble SC in the matter in Writ Petition No. 114/2014 in the matter of Common Cause Vs UoI by recovering compensation for the extant violation. Further, the State Govt. shall also recover the amount of environmental compensation calculated on the basis of CPCB prescribed guidelines and approved by CPCB. Then, the Dy. Director of Mines & Geology vide letter dated 12.02.2022 demanded the PP to pay Rs.18,63,64,200/-(Eighteen crores Sixty-Three lakhs Sixty Four thousands and Two hundred rupees only) sale price for a Quantity of 4,11,400 in MT in mining lease Compt No.26 & 27 of Saidulnama R.F Ravipahad Village Palakeedu Mandal over an extent of 183.11 Ha under Section 21(5) of Mines & Minerals (Development & Regulation) Act 1957 within (15) days. The Project Proponent deposited the said amount on 28.02.2022. Accordingly, Dy. Director of Mines & Geology vide letter dated 05.03.2022 informed that the M/s. Deccan Cements Ltd paid the demanded amount of Rs.18,63,64,200/- raised by this office for violation of the specific condition iii of MoEF No.J-11015/642/2007-IA.II(M), Dt. 18.10.2007 in Mining lease for Limestone, over an extent of 183.11 Hects in Compt No.26 & 27 of Saidulnama R.F Ravipahad Village, Palakeedu Mandal, Suryapet District and further action on the mining lease held by M/s. Deccan Cements Ltd is hereby dropped. Further, the Project Proponent has submitted that the Ministry vide letter dated 13.12.2022 requested the Telangana State Pollution Control Board to calculate and impose environmental compensation as per CPCB guidelines and if required in coordination with CPCB on priority basis. The Telangana State Pollution Control Board vide letter dated 08.02.2023 levied the environmental compensation of Rs 92,80,000 and directed the Project Proponent to deposit within one week. The Project Proponent vide letter dated 09.02.2023 informed the Member Secretary, Telangana State Pollution Control Board stating that amount of Rs 92.80 Lakhs has been deposited by way of Demand Draft drawn from State Bank of India vide DD no. 273764 dated 09.02.2023 in favour of Member Secretary, T.S. Pollution Control Board, Hyderabad.

	The Project Proponent vide letter dated 15.02.2023 informed that they have successfully deposited the imposed (i) amount of Rs 18,63,64,200/- to Telangana State Government vide Challan No. 6103841919 dated 28.02.2022 as compensation under Common Cause Judgement and (ii) an amount of Rs 92,60,000/- to Telangana State Pollution Control Board vide DD no. 273764 dated 09.02.2023 as Environmental Compensation calculated on the basis of CPCB guidelines for the extent of non-compliance. The Ministry's IA Monitoring Division on 06.04.2023 addressed to the Project Proponent stating that the action closure letter has been issued for Bhavanipuram Limestone Mine-3 of M/s Deccan Cements Ltd. It has been also informed that no further action is being contemplated in the matter at present. M/s Deccan Cements Limited shall continue submission of updated of six monthly compliance report for Bhavanipuram Limestone Mine-3 project with respect to EC's dated 18.10.2007 and 05.01.2017 granted by the Ministry.

xvii. Court Case:

Litigation Details	Remarks
CASE FILED IN NATIONAL GREEN TRIBUNAL (NGT): • National Green Tribunal (NGT) Judgement issued on case of Vakkanti Koteshwar Rao Vs Union of India and Ors in Original Application no. 33 of 2016 • Claiming that the mining lease area falls nearer to a Historical place i.e. Janpahad Darga, praying for cancellation of lease for the so said illegal mining along with other allegations.	Case was disposed on 18.11.2021 by the Hon'ble NGT in favour of M/s Deccan Cements Limited with directions to DCL
CASE FILED IN HON'BLE HIGH COURT – TELANGANA STATE: • Judgment of Hon'ble NGT was again challenged by the same Petitioner in High Court of Telangana State vide WP no 32902 dated 04.12.2021. • The case was listed for hearing on 02/02/2022 wherein the Hon'ble Court has directed with a Stay Order restraining DCL from carrying out any mining activity in respect of mining lease no 3.	The Hon'ble High Court of Telangana vacated the Interim Order and allowed DCL to continue the mining operations vide proceedings dated 30.03.2022

• DCL duly filed the Review Petition on 03.02.2022.	
PETITION FILED IN HON'BLE SUPREME COURT OF INDIA • The same petitioner has filed petition at Supreme Court of India for Special Leave to Appeal (C) vide No. 7248/2022 on the High Court of Telangana interim order issued under WP No. 32902/2021 dated 30-03-2022	The Hon'ble Supreme Court of India has dismissed the petition on 29.09.2022 in favor of M/s Deccan Cements Limited stating that *"Since the present petition arises out of an interim order, we see no reason to interfere in the matter. The Special Leave Petition is, accordingly, dismissed. Pending applications, if any, also stand disposed of".*
Undertaking for Court Case	The Project Proponent vide email dated 11.03.2023 submitted the Affidavit in non-judicial stamp paper of Rs 100 dated 11.03.2022 stating that at present except the following there is no court case pending against the Bhavanipuram Limestone Mine no: 3 of M/s Deccan Cements Ltd, Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana. WP 32902/2021 and WP (PIL) 26/2022 pending before the Hon'ble High Court of Telangana wherein the Hon'ble High Court directed to tag WP (PIL) 26/2022 to WP 32902/2021. In WP 32902/2021 the Hon'ble High Court in their interim order 2nd February, 2022 restrained the company from carrying out any mining activity of mining lease no.3. After hearing from the learned counsel of Union of India that in respect of mine no.3, the Hon'ble High Court in their interim order dated 30.03.2022 vacated the interim order 2nd February, 2022 and directed to list the matters for final hearing in due course. We will abide by the directions of the Hon'ble High Court.

xviii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	The Project Proponent submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing no: V 929816 dated 26.11.2019 stating that the M/s. Deccan Cements Limited shall comply with all the statutory requirements and judgement of Hon'ble Supreme Court dated the 02nd August, 2017 in Writ Petition(Civil) no. 114 of 2014 in the matter of common cause versus union of India and Ors.
Project Proponent submitted an undertaking dated 18.10.2022	The Project Proponent submitted an undertaking stating that the information and data submitted is factually correct and Deccan Cements Limited owns the contents of the report.
Consultant submitted an	The Consultant submitted an undertaking stating that

undertaking vide letter dated 18.10.2022	"M/s B.S. Envi-Tech Pvt. Ltd has complied with all the prescribed Terms of Reference (TOR) issued by Ministry of Environment, Forests 85 Climate Change (MoEF&CC) in preparation of Final EIA Report for M/s. Deccan Cements Limted for Bhavanipuram Limestone Mine - ML-3 (ML area: 183.11 Ha.) which proposes expansion of Limestone production from 2.3 to4.6 MTPA with total excavation of 4.736 MTPA (Limestone: 4.6 MTPA + Topsoil: 0.136 MTPA) located at Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana. The Consultant also certified that this FEIA Report has been evalusted on 19.10.2022 using online/in-house software viz., Plagiarism Checker X - Report (Purchased). The report produced has been analyzed by the system and based on it, I certify that the EIA report produced in accordance with good scientific practice.

xix. Details of the Environmental Management Plan (EMP)

Description	Capital Cost (Rs. in Lakhs)	Recurring Cost (Total upto Life of Mine -2035) (Rs. in Lakhs)
Air Pollution Control Measures - Dust Suppression Measures (Atomized Water spray system and water tankers)	50	85
Environmental Monitoring	0	133.25
Top Soil Management	0	16.45
Greenbelt development	113	109
Drain & Check dam	5	11
Total (Lakhs)	168	354.70

xx. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	2.34 (Including PH Commitments)
Project Cost	10.0
Employment	Existing employment - 48 persons additional employment - 62 persons

3. Observation and Recommendation of the Committee: -

The EAC noted that the instant proposal is for reconsideration of Environmental Clearance (EC). The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The Project Proponent\Consultant informed the EAC that there is no court case pending against the project as on date and an undertaking in this regard will be submitted. The Project Proponent informed the EAC that the specific condition (iii) of the EC letter dated 18.10.2007 has been violated by conducting Mining activity in

Mine-3 simultaneously with Mine-2 before exhaustion of mineable Ore of Mine-2. In view of the above, the Ministry vide letter dated 05.08.2021 issued Show Cause Notice to the Project Proponent. The Project Proponent replied to the Show Cause Notice on 16.08.2021.

The Project Proponent also informed the EAC that the Dy. Director of Mines & Geology vide letter dated 12.02.2022 demanded the PP to pay Rs.18,63,64,200/- (Eighteen crores Sixty Three lakhs Sixty Four thousands and Two hundred rupees only) sale price for a Quantity of 4,11,400 in MT under Section 21(5) of Mines &Minerals (Development & Regulation) Act 1957 within (15) days. The Project Proponent deposited the said amount on 28.02.2022. Accordingly, Dy. Director of Mines & Geology vide letter dated 05.03.2022 informed that the M/s. Deccan Cements Ltd paid the demanded amount of Rs.18,63,64,200/- raised by this office for violation of the specific condition (iii) of EC letter dated 16.10.2007 in Mining lease for Limestone, over an extent of 183.11 Hects in Compt No.26 & 27 of Seidulnama R.F Ravipahad Village. Palakeed/Mandal, Suryapet District and further action on the mining lease held by M/s. Deccan Cements Ltd is hereby dropped.

Further, the Project Proponent informed the EAC that the Telangana State Pollution Control Board vide letter dated 08.02.2023 levied the environmental compensation of Rs 92,80,000 and directed the Project Proponent to deposit within one week. The Project Proponent vide letter dated 09.02.2023 informed the Member Secretary, Telangana State Pollution Control Board stating that amount of Rs 92.80 Lakhs has been deposited by way of Demand Draft drawn from State Bank of India vide DD no. 273764 dated 09.02.2023 in favour of Member Secretary, T.S. Pollution Control Board, Hyderabad.

The Project Proponent informed the EAC that detailed study on Hydraulic, Hydrological and Environmental study of Bhavanipuram Limestone mine was carried out by Department of Civil Engineering, University College of Engineering (A), Jawaharlal Nehru Technological University, Kakinada - Andhra Pradesh. The study has indicated that considering the peak flood discharge in the river Krishna and the corresponding water level as +53.34m which is the HFL in Krishna river, through the present study it is noted that when the HFL behind the dam at Pulichintal is at +53.34 m, the expected water level in the river near the mining area is + 61.15 which is lower than the mine boundary towards the river side (+ 68.02). This establishes that the mining area has no threat of flooding due to backwater from the river Krishna during peak floods.

The Project Proponent informed the EAC that the dumper capacity has been revised from 25 T to 60 T for total production of 4.6 MTPA and the same has been incorporated in the approval of Review of Mining Plan dated 28.11.2022 for the period 2023-24 to 2027-28. The number of trucks reduced from 34 t/hr to 14 t/hr and total lead distance decreased from 102 km/hr to 43 km/hr due to reduction in number of trips on deploying 60 T higher capacity dumper. The emission rate of NO_x, PM, CO and SO_2 has been decreased considering the dumper capacity of 60 T. The EAC opined that the Project Proponent needs to undertake the mine bench plantation in consultation with research institutes/Forest Research Organisations.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC in its EAC (Non-Coal Mining) meeting held during 1-2 March, 2023 **recommended** the

proposal under the provisions of EIA Notification, 2006 and its subsequent amendments for grant of Environmental Clearance to M/s. Deccan Cements Limited (DCL) for Bhavanipuram Limestone Mine-3 for expansion in Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.736 MTPA (Limestone: 4.6 MTPA + Top Soil : 0.136 MTPA) in the mine lease area of 183.11 Ha, located at Compartment No. 26 & 27, Saidulnama Reserved Forest, Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana subject to the specific conditions in addition to the standard EC conditions applicable for non-coal mining projects.

4. The matter was examined in the EAC in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and the undersigned is directed to say that the Ministry of Environment Forest & Climate Change after accepting the recommendation of EAC in its 11th EAC (Non-Coal Mining) meeting held during 1-2 March, 2023 hereby accords Environmental Clearance (EC) to M/s. Deccan Cements Limited (DCL) for Bhavanipuram Limestone Mine-3 for expansion in Limestone production from 2.3 MTPA to 4.6 MTPA with Total Excavation of 4.736 MTPA (Limestone: 4.6 MTPA + Top Soil : 0.136 MTPA) in the mine lease area of 183.11 Ha, located at Compartment No. 26 & 27, Saidulnama Reserved Forest, Ravipahad Village, Palakeedu Mandal, Suryapet District, Telangana subject to compliance of the terms & conditions and the environmental safeguards mentioned below: -

A. SPECIFIC CONDITIONS

i. This Environmental Clearance will be valid upto 17 years as the life of the mine is 17 years.

ii. The Project Proponent shall implement the recommendations of the scientific study carried out by Jawaharlal Nehru Technological University on Hydraulic, Hydrological and Environmental to prevent the mine from inundation. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.

iii. The Project Proponent shall implement the recommendations of the study of the ground vibrations generated due to blasting conducted by the Department of Mining Engineering, National institute of Technology (NIT), Surathkal to prevent the impacts on the surrounding structures. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.

iv. The Project Proponent shall continue to monitor the ground induced blasting vibrations for every blast and the results are to be compared with the limiting values prescribed by Director General of Mine Safety (DGMS). PP shall ensure that the values of "peak particle velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by the DGMS, from time to time. The data needs to be maintained and submitted along with the six monthly compliance report.

v. The Project Proponent should take adequate measures to prevent the fly rock falling onto the nearby village and also the Project Proponent needs to set up a permanent monitoring in the nearby village to monitor the blast vibration.

vi. The Project Proponent shall carryout the blasting in such a way that the direction of the blasting should be perpendicular to the village and DGMS shall ensure the same.

vii. The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.

viii. The Project Proponent shall convert the excavated pit of 162.48 ha into water reservoir for benefit of the agriculture and local people. Fencing shall be made around the mined out pits to ensure safety and to prevent the inadvertent entry of men and cattle. The Project Proponent needs to develop plantation around the water reservoir in consultation with the State Forest Department. Project Proponent also needs to monitor the quality of water and shall submit the report quarterly to the Ministry's Integrated Regional Office.

ix. The Project Proponent shall strictly implement the conservation measures suggested by the DFO vide letter dated 21.11.2022. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.

x. The Project Proponent needs to undertake the mine bench plantation in consultation with Research Institutes/Forest Research Organisations.

xi. The Project Proponent shall undertake the avenue plantation on both the sides all along the Janpahad- Ravipahad road with width of 50 m.

xii. The Project Proponent needs to complete the entire peripheral plantation under green belt, safety barrier plantation and gap plantation within three years from the start of mining operations. The project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office.

xiii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 1.68 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.

xiv. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.

xv. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training. for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment.

xvi. The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.

xvii. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to IRO, MoEF&CC.

xviii. The budget of Rs 0.66 Lakhs to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.

xix. The Project Proponent needs to facilitate the online education system in the schools by providing Wi-Fi connectivity, smart classrooms and desktops/ tablets. PP shall construct a library which shall be made available to the school children as well as local people.

xx. The Project Proponent needs to renovate and extend the classrooms of Janpahad and Palakeed School within 2 years from the issue of this EC as committed.

xxi. The Project Proponent needs to review any damage of the crops due to mining activity and accordingly the Project Proponent needs to undertake necessary steps to prevent any damage.

xxii. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.

xxiii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also

organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.

xxiv. The mining lease holders shall, after ceasing mining operations, undertake regrassing 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 implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

B. STANDARD CONDITIONS

I. Statutory compliance

1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.

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 State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of 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.

4) 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".

5) 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.

6) 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.

7) 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.

8) 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, PP needs to apply for 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

9) 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.

10) 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

11) 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.

12) 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.

13) 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 including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. 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.

14) 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.

15) 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.

16) 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.

17) 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.

IV. Noise and vibration monitoring and prevention

18) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

19) 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.

20) 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

21) The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).

22) 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-á-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

23) The Overburden (O.B.), waste and topsoil 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 / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.

24) 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.

25) 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.

26) 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.

VII. Transportation

27) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].

28) 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

29) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

30) 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.

31) 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.

IX. Public hearing and human health issues

32) 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.

X. Corporate Environment Responsibility (CER)

33) The Project Proponent shall submit the time- bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017-IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.

XI. Miscellaneous

34) 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.

35) 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.

36) 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.

37) 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, MoEF&CC.

38) The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.

39) In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

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

41) Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

5. 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 and any other Court of Law relating to the subject matter.

6. 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.

7. This issues with the approval of Competent Authority.

Yours faithfully,

(Pankaj Verma)
Scientist 'E'

Copy to:

i. **The Secretary,** Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
ii. **The Secretary,** Department of Environment, Government of Telangana, Hyderabad.
iii. **The Secretary,** Department of Forests, Government of Telangana, Hyderabad.
iv. **The Secretary,** Department of Mines and Geology, Government of Telangana, Hyderabad.
v. **The Secretary,** Department of Industries and Commerce (M-III), Government of Telangana, Hyderabad.
vi. **The Deputy Director General of Forests (C),** Integrated Regional Office, 3rd Floor, Room No. 309, Aranya Bhawan, Opp. RBI, Saifabad – 500004, Hyderabad, Telangana.
vii. **The Chief Wildlife Warden,** Government of Telangana, Telangana Forest Department, Aranya Bhavan, Saifabad, Hyderabad-500004.
viii. **The Chairman,** Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
ix. **The Chairman,** Telangana State Pollution Control Board, A-3, Paryavaran Bhavan, Sanath Nagar Rd, Sanath Nagar Industrial Estate, Sanath Nagar, Hyderabad, Telangana-500018.
x. **The Member Secretary,** Central Ground Water Authority, A 2, W-3, Curzon road, Barracks, K.G Marg, New Delhi-110011.
xi. **The Controller General,** Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
xii. **The District Collector,** Suryapet District, Government of Telangana.
xiii. **Guard File.**
xiv. **PARIVESH Portal.**

(Pankaj Verma)
Scientist 'E'

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Digitally signed by Pankaj Verma
Scientist E
Date: 6/19/2023 11:09:33 AM

File No.TSPCB-RONL/SCI/1/2023-TELANGANA STATE POLLUTION CONTROL BOARD

TELANGANA STATE POLLUTION CONTROL BOARD
REGIONAL OFFICE, NALGONDA

H.No. 8-15, 1st Floor, Sri Lakshmi Complex, Sri Vinayaka Nagar
Near IT Tower, Hyderabad Road, Nalgonda-508 001. Ph: 08682-248005

AUTHORIZATION (Renewal)

(Issued under Rule 10 of the Bio-Medical Waste Management Rules, 2016)

Order No.68910/PCB/RO-NLG/BMWM/SRPT/2024 - Date:02.02.2024

1. **M/s. OHC of Deccan Cements Ltd.,** an occupier or operator of the facility located at **Janpahad (V), Palakveedu (M), Suryapet District** is hereby granted an authorization for Generation, Segregation, Collection and Storage of Bio-Medical Waste.

2. **M/s. OHC of Deccan Cements Ltd.,** is hereby authorized for handling biomedical waste as per the capacity given below

   (i) Number of beds of HCF: **2 Beds**

   (ii) Quantity of Biomedical waste handled, treated or disposed:

Type of Waste Category	Quantity permitted for Handling
Yellow	15.0 Kg / Month
Red	2.5 Kg / Month
White (Translucent)	0.75 Kg / Month
Blue	0.75 Kg / Month

3. **This authorization shall be in force for a period up to 31.03.2029.**
4. This authorization is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.
5. Failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control acts.

Signed by Suresh Babu Punga
Date: 02-02-2024 18:45:41
ENVIRONMENTAL ENGINEER

Nalgonda
Dated: 02.02.2024