



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

To,

The DirectorWorks  
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.

- EC Identification No.** EC23A001TG110250
- File No.** J-11015/375/2015-IA.II(M)
- Project Type** Expansion
- Category** A
- Project/Activity including Schedule No.** 1(a) Mining of minerals
- 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
- Name of Company/Organization** DECCAN CEMENTS LIMITED
- Location of Project** Telangana
- 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.*

*This is a computer generated cover page.*



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

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3<sup>rd</sup> 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 6<sup>th</sup>EAC (Non-Coal Mining) meeting held during 9<sup>th</sup> - 11<sup>th</sup> 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 11<sup>th</sup> EAC (Non-Coal Mining) held during 1-2 March, 2023.

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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)	16 <sup>th</sup> - 19 <sup>th</sup> 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.	
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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 deed 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 Saidulnama 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

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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	75.026 Million Tonnes	
Life of mine	17 years @4.60 MTPA (Mining Lease period is valid up to 27.12.2063)	
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	250m <sup>3</sup> /day	Fresh water	250m <sup>3</sup> /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		

	<p>below:</p> <p>i. PIT-1: 97.4 Ha – Available as water reservoir by the end of year 2033.</p> <p>ii. PIT-2: 65.08 Ha - Available as water reservoir by the end of 2038.</p> <p>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.</p> <p>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.</p>
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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	0.9 km, SE
	Musi River	3.4 km, W
	Vemuleru River	5.9 km, ENE
	<p>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.</p> <p>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<sup>3</sup>/s.</p>	

	<p>PP also submitted the recommendations made towards better management and production are given below: -</p> <ol style="list-style-type: none"> <li>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 0.0075 respectively for A-B and C-D.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ol> <p>Further, PP submitted that the quality of settling tank outlet will be checked for turbidity once in a week during the monsoon season.</p>
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	<p>The entire mine lease area (183.11 Ha) is part of Saidulnama Reserved Forest (Compartment No. 26 &amp; 27).</p> <p>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</p>

		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	-	<p>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) &amp; 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.</p> <p>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 &amp;Head, All India Network Project on Vertebrate Pest Management, PJTS Agricultural University.</p>
Measures to protect and development of Forests & Wildlife.		<p>The Project Proponent has submitted that they have approached the Forest Dept. for taking necessary measures in order to protect and development of Forests &amp;Wildlife.</p> <p>The Project Proponent has submitted the letter from the</p>



	<p>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&amp;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:</p> <ol style="list-style-type: none"> <li>i. Formation of Garland Drains,</li> <li>ii. Construction of Check dams and formation of Mini Percolation tanks / Percolation tanks etc.,</li> <li>iii. Digging of Contour trench for Greenbelt,</li> <li>iv. Water sprinting to be continuous during movement of vehicles,</li> <li>v. Wet drilling to be continued,</li> <li>vi. Follow MoEF and TSPCB norms for maintaining the dust levels,</li> <li>vii. Avenue plantations and block plantations are to be raised in the existing vacant lands available in the premises of the industrial areas,</li> <li>viii. Blasting should not be done during night times,</li> <li>ix. Strictly follow the Wildlife Protection Act, 1972 Rules better Wildlife protection,</li> <li>x. Strictly follow the Environmental Protection Act Rules, 1986 and</li> <li>xi. Strictly follow the T.S. Forest Act, 1967</li> </ol>
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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 lines	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.	<p>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.</p> <p>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.</p> <p>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.</p>
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- 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 SO<sub>2</sub> has 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	<ul style="list-style-type: none"> <li>i. Provide employment to local youth</li> <li>ii. Regularize the un-skilled casual labourers into semi-skilled on completion of 4 years of service;</li> <li>iii. Reduction in the cost of cement bag to the local village</li> <li>iv. Provide a school bus up to Mandal headquarters</li> <li>v. Utilization of CSR funds to bring awareness among people especially among women over protection of environment through NGOs.</li> <li>vi. Raise avenue plantation along the road connecting to Janpahad</li> <li>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.</li> <li>viii. Adopt Mahankaligudem, Sunyapahad, Ravipahad and Komatikunta villages to conduct the health camps</li> <li>ix. Provide villages to to conduct free health camps at Janpahad, CheruvuThanda and other surrounding villages.</li> <li>x. Impart training to the engineers so that they would be able to secure gainful employment elsewhere.</li> <li>xi. Minimize the pollution levels to the maximum extent possible to ensure healthy surroundings.</li> </ul>
Budget proposed for addressing issues raised during PH	Rs. 66.0 Lakhs

xv. Rehabilitation & Resettlement:

R & R details	Not Applicable
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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

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<p>Show Cause Notice under section 5 of the Environment (Protection) Act, 1986</p>	<p>Office of the Asst. Director of Mines and Geology, Suryapet vide Lr No.484/M2/2007 dated 23.09.2022</p> <p>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 and 1,81,000 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".</p> <p>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.</p> <p>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 and 2018-19 for a quantity of 14,30,000 MT (2016-17), 11,25,000 MT (2017-18) and 12,02,800MT (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-3 simultaneously with ML-2 not complying to the Specific condition (iii) 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.</p> <p>Then, the Dy. Director of Mines &amp; 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.</p> <p>The Ministry vide letter dated 09.02.2022 requested the Principal Secretary to Government</p>
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EC- M/s. Deccan Cements Limited, Telangana

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(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.

	<p>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 92,80,000/- 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.</p> <p>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.</p>
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xvii. Court Case:

Litigation Details	Remarks
<p>CASE FILED IN NATIONAL GREEN TRIBUNAL (NGT):</p> <ul style="list-style-type: none"> <li>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</li> <li>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.</li> </ul>	<p>Case was disposed on 18.11.2021 by the Hon'ble NGT in favour of M/s Deccan Cements Limited with directions to DCL</p>
<p>CASE FILED IN HON'BLE HIGH COURT – TELANGANA STATE:</p> <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<p>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</p>

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<ul style="list-style-type: none"> <li>DCL duly filed the Review Petition on 03.02.2022.</li> </ul>	
<p>PETITION FILED IN HON'BLE SUPREME COURT OF INDIA</p> <ul style="list-style-type: none"> <li>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</li> </ul>	<p>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 <i>"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"</i>.</p>
<p>Undertaking for Court Case</p>	<p>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 2<sup>nd</sup> 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 2<sup>nd</sup> 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.</p>

xviii. Affidavit/Undertaking details:

<p>Affidavit as per Ministry's OM dated 30.05.2018</p>	<p>The Project Proponent submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing no: V 929916 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 02<sup>nd</sup> August, 2017 in Writ Petition(Civil) no. 114 of 2014 in the matter of common cause versus union of India and Ors.</p>
<p>Project Proponent submitted an undertaking dated 18.10.2022</p>	<p>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.</p>
<p>Consultant submitted an</p>	<p>The Consultant submitted an undertaking stating that</p>

undertaking vide letter dated 18.10.2022	<p>"M/s B.S. Envi-Tech Pvt. Ltd has complied with all the prescribed Terms of Reference (TOR) issued by Ministry of Environment, Forests &amp; Climate Change (MoEF&amp;CC) in preparation of Final EIA Report for M/s. Deccan Cements Limited for Bhavanipuram Limestone Mine - ML-3 (ML area: 183.11 Ha.) which proposes expansion of Limestone production from 2.3 to 4.6 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.</p> <p>The Consultant also certified that this FEIA Report has been evaluated 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.</p>
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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

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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 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. PalakeeduMandal, 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<sub>x</sub>, PM, CO and SO<sub>2</sub> 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

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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 11<sup>th</sup> 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.

  
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- 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.



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- 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](http://www.parivesh.nic.in)). A copy of



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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



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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.



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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-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

#### **VI. Land reclamation**

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.



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## **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.

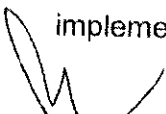
31) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, 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.



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## 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.

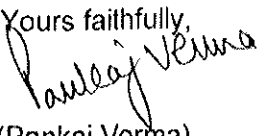


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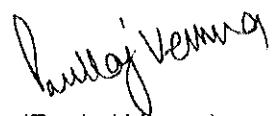
6. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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, 3<sup>rd</sup> Floor, Room No. 309, Aranya Bhawan, Opp. RBI, Safiabab – 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'