



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

To,

The Sr Vice President (Projects)
The Ramco Cements Limited
The Ramco Cements Limited,
Kalvatala Project,
Kalvatala (V),
Kolimigundla (M),
Kurnool (Dist.),
Andhra Pradesh,
Pin – 518123.,Kurnool,Andhra Pradesh-518123

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/AP/MIN/89054/2018 dated 29 Jul 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC23A001AP120912 |
| 2. File No. | IA-J-11015/6/2019-IA-II(M) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | KANAKADRIPALLI LIMESTONE MINE (435.24 Ha) of The Ramco Cements Limited LIMESTONE PRODUCTION – 0.1 MTPA WITH TOTAL EXCAVATION OF 0.118 MTPA (Limestone : 0.1 MTPA + Top Soil : 0.013 MTPA + Over Burden / Waste: 0.005 MTPA) |
| 7. Name of Company/Organization | The Ramco Cements Limited |
| 8. Location of Project | Andhra Pradesh |
| 9. TOR Date | 13 Dec 2019 |

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

Date: 15/03/2023

(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-11015/6/2019.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: 15th March, 2023

To,

M/s The Ramco Cements Limited,
5th Floor, Auras Corporate Centre,
98A, Dr. Radhakrishnan Salai, Mylapore,
Chennai - 600 004, Tamil Nadu.

Subject: - Kanakadripalli Limestone mine of M/s. The Ramco Cements Limited (TRCL) for mining of Limestone with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh - Environmental Clearance (EC) – reg.

Sir,

This has reference to the online proposal no. IA/AP/MIN/89054/2018 of M/s The Ramco Cements Limited (TRCL) for mining of Limestone in Kanakadripalli Limestone mine with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.

2. The details of the project as ascertained from the document 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: 15°02'23.9"N-15° 04'13.1"N and Longitude: 78°03'31.3"E -78°04'54.5"E. The mine lease area falls under the Survey of India Toposheet No: 57I/4 and falls in Seismic Zone-II.
- ii. The proposed project activity is listed at Schedule no. 1(a) Mining of Minerals of the schedule of the EIA Notification, 2006 and falls under Category "A" as the mining lease area is greater than 250 ha and appraised at the Central level.
- iii. The proposal was earlier considered in the EAC (Non-Coal Mining) Meeting held during 16th - 18th August, 2022 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent submitted the information on 21.09.2022

EC- M/s. The Ramco Cements Limited, Andhra Pradesh

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in Parivesh. The proposal was reconsidered in the 5th EAC (Non-Coal Mining) held during 18-19, October, 2022 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent submitted the information on 05.01.2023 in Parivesh and accordingly the proposal was again reconsidered in the 9th EAC (Non-Coal Mining) held during 17 - 18 January, 2023.

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

Date of application	File No/ Proposal No	Consideration	Details	Date of accord
19.12.2018	IA-J- 11015/6/2019- IA-II(M) IA/AP/MIN/ 89054/2018	22-23 January, 2019	Terms of Reference (ToR) for M/s The Ramco Cements Limited for Total Excavation of 0.118 MTPA (Limestone: 0.1 MTPA + Top Soil: 0.013 MTPA + Over Burden /Waste: 0.005 MTPA) from Kanakadripalli Limestone mine (Mining lease area of 435.24 Ha) located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.	13.12.2019

v. Details of Mine Lease:

S. No	Lease particulars	Date of Grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of mine lease in the name of M/s Madras Cements Limited vide Lr Memo no. 13533/M.III(1)/98-2 subject to submission of approved mining plan within 6 months	28.08.1998	Limestone	30 years	Govt. of Andhra Pradesh	435.24
2	Initial grant of mining lease vide G.O.Ms. No. 136 in the name of M/s Madras Cements Limited. The lease shall be liable for cancellation, if the applicant company fails to establish a Cement Plant within 3 years period from	15.02.2000	Limestone	30 years	Govt. of Andhra Pradesh	435.24

	the date of grant of mining lease.					
3	The mine lease deed was executed vide proceeding No.1336/M4/2000	09.08.2000	Limestone	30 years (09.08.2000 to 08.08.2030)	Govt. of Andhra Pradesh	435.24
4	Name Change from M/s Madras Cements Limited to M/s The Ramco Cements Limited vide GO Ms No. 96	13.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	435.24
5	Extension time for establishing cement plant & commencing mining activity for period of 16.10.2015 to 13.10.2018 vide Memo no. 576/M.III (1)/2015	16.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	435.24
6	Extension time for establishing cement plant & commencing mining activity upto 13.10.2021 vide Memo No. 510020/2018/A1-Mines.III.INDS	04.10.2018	Limestone	30 years	Govt. of Andhra Pradesh	435.24
7	Extension of mining lease for a period of 50 years vide G.O Ms No. 3	03.01.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
8	The mine lease deed was executed vide proceeding no. 1336/M4/2000	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
9	Supplementary lease deed for extension of mining lease made between the Govt. of Andhra Pradesh and M/s The Ramco Cements Ltd	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
10	Extension of time for a further period of one year w.e.f. 12.04.2022 to establish the Cement Plant and	01.03.2022	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24

commencement of mining operations i.e., upto 11.04.2023					
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vi. Land Use/Land Cover of the Mine lease area:

Private land	378.833 Ha (Own patta land) and 40.247 Ha (Patta land is under process of procuring)
Government waste land	16.16 Ha
Total Mining lease area (MLA)	435.24 Ha.

vii. Details of Mining Plan:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Approved by Indian Bureau of Mines - AP/KNL/MP/LST-53/Hyd.
	Date	12.04.2022
	Mineral	Limestone
	Mine lease area	435.24 Ha
	Validity	2022-23 to 2024-25
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting.	
Mineable Reserves and Resources	88.28 MT	
Life of mine	882.8 years @0.10 MTPA (Mining Lease period – 50 Years up to 08.08.2050)	
Bench Height	8m	
Bench Width	8m and 20 m for working bench	
Individual bench slope	80°	
Overall pit slope	45°	
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting	
RoM output size	50 mm	
Transportation details	The limestone will be transported to crusher located at Chintalayapalli Limestone Mine of TRCL initially through public road and thereafter by dedicated own corridor road which is about 4.08 km from mining lease boundary and then to Cement Plant through 5.33 km proposed belt conveyor.	
Dumpers capacity	25 tonnes	
Topsoil	The lease area is covered with a soil cap of 0.0 to 1.0m thickness. On an average the thickness is considered as 0.5 m. It is estimated that about 0.173 million cu.m of top soil will be generated during the lease period. The soil generated will be utilized for plantation in barrier zone.	

Waste	The waste generation is estimated to be about 0.14 million tonnes during the lease period. This material will be stacked in temporary dump and will be backfilled at conceptual stage.
Depth of Mining	Depth of working is 15m for the lease period (Conceptual period) Ultimate depth of working is 46m bgl (282m RL) for life of mine
Groundwater table	Depth of Water table: 65 m – 80 m bgl
Intersection of Groundwater table	PP reported that the mining operations will not intersect ground water table.
Old existing pits	The Project Proponent submitted that the Department of Mines and Geology, Govt. of Andhra Pradesh has submitted the following clarification to the MoEF&CC vide Lr.No. 1306239/R4-1/2018, dated. 04.06.2018 stating that the M/s Ramco Cements Ltd., has not started mining operations and not done any mining in the subject mining lease area, old abundant pits falling in the subject area done by the local villagers for their livelihood since long.
Phase wise plan for enhancement proposal	<p>The Project Proponent submitted the phase wise plan for enhancement proposal for a growth of clinker manufacture from 4.485 MTPA in 2025 to 14.84 MTPA clinker in the year 2040 will be done in stages. PP also submitted that the expansion from 0.1 MTPA to 2.0 MTPA will be done during the year 2025-30 and from 2.0 MTPA to 3.5 MTPA will be done during the year 2030-35. PP also submitted the phase wise plan for enhancement of production proposal along with time line considering all the four mining leases. Further, PP submitted that considering the phase wise enhancement of production proposal, life of the mine and the area of utilization at different phases of expansion is also incorporated in the modified mining plan. Also, the phase wise plan for enhancement proposal along with timeline has been incorporated in the draft Mining Plan.</p> <p>PP submitted an undertaking vide letter dated 09.12.2022 stating that the Kanakadripalli Limestone Mine modified mining plan was submitted to Indian Bureau of Mines (IBM), Hyderabad through online vide Application ID No 59458801 dated 30.11.2022 as per the suggestion of Hon'ble EAC. PP also submitted the copy of acknowledgement for submission of mining plan. IBM has accepted the Mining plan for approval and site Inspection</p>

	<p>was completed on 15.12.2022. Modified Mining Plan was approved by Indian Bureau of Mines vide letter dated 17.01.2023.</p>
<p>Plan of action for utilizing the area of ~351.79 ha in mine lease area.</p>	<p>The area of 359.48 Ha is proposed to be effectively utilised in the conceptual period. Project Proponent submitted that the Ministry of Mines, vide its approval letter No.16/143/2016-M.VI dtd 8th Dec 2016, to the State Govt of Andhra Pradesh on relaxation of area limit under 6 of MMDR Act in respect of captive cement plants holding Limestone Leases is given as follows: - The type of relaxation for each cement company is mentioned clearly in the same as <i>QUOTE...</i> <i>And whereas there is a need for increasing the area limits for mining lease for limestone keeping in view the future expansion of the cement plants and the requirement of limestone for captive purpose, in the State of Andhra Pradesh. Now therefore the Central Government, in exercise of the powers conferred under the Proviso to clause (b) of sub-section (1) of section 6 of the MMDR Act, 1957, hereby conveys its approval for increasing the area limits specified under section 6(1) (a) and 6 (1) (b) of the MMDR Act, 1957, in the interest of the development of limestone and the industry based on supply of Limestone in the State of Andhra Pradesh, as follows: - Mining leases - Limestone - 50 Sq. Krns. In each case"....UNQUOTE.</i></p> <p>The Project Proponent holds only a total extent of 26.07 sq.km of ML Area altogether in state of Andhra Pradesh (AP), towards present and future expansions. PP also submitted the details of mining leases held with areas in state of AP. Thus the Project Proponent submitted that the instant proposal under the subject case shall not be construed as "Blocking of mineral reserves".</p>
<p>Crusher/Conveyor Belt</p>	<p>The Project Proponent has submitted that one crusher of 1400 TPH (system capacity is 2200 TPH) is already installed at the cement plant. Further, as directed by MoEF and commitment made for Chintalayapalle Limestone Mine, an additional crusher is being installed with same capacity. (As directed in EC vide F. No. IA-J-11011/135/2017-IAII(I), dtd. 01.06.2022). Both these crushers together are capable of handling more than 23 Million TPA of limestone which is very much adequate even for long term operation of the cement plant.</p> <p>PP submitted that as per the cost benefit analysis report it</p>

	is revealed that, the present value of cash flow for installation of conveyor is Rs. 263.65 Crores, whereas for transportation by road is Rs.112.57 Crores. Hence, the establishment of conveyor belt is not feasible in the techno-economic point of view for transportation of limestone from this mining lease area. However, to minimise the impact of transportation, Black topped Private road is proposed with avenue plantations on both sides, with water sprinklers.
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viii. Water requirement:

Total water requirement	50 m ³ /day	Fresh water	50 m ³ /day
		Treated water	-
Source	PP submitted that initially water will be supplied by Cement plant from Owk Reservoir and later rain water collected in the mine pit will be used.		
Permission	The Project Proponent submitted that Water Resource Department, Government of Andhra Pradesh has granted permission vide letter no EE/SRBC Divn. No.3/owk/IWS/186M Dated 27.05.2019 for drawl of 0.0322 TMC water per year (2500KLD) from owk reservoir on temporary basis from the industrial reserved quota of owk reservoir at present and on completion of Mettupalli reservoir, water shall be allocated on permanent basis in future. Therefore, it is submitted that allocation of water from the Mettupalli reservoir would be in permanent nature, hence, validity of permission in this regard may not arise.		

ix. Nearest village/town/highway/railway station/water bodies/ monument/ mines/industries

Particulars	Particular's Name	Distance & Direction
Nearest Village	Kanakadripalli Village	0.07km, ESE
	Raghavarajupalle Village	Adjacent to the Mine, SE
Town	Kolimigundla	3.34 km, ENE
Highway	National Highway (NH-544D) - Anantapuramu – Amaravathi	0.07 km, S
Railway station	Tadiptri RS	17.34 km, SW
Water bodies	PeddaVanka	1.72 km, NNE
Archaeological Monument	Belum Caves	7.06 km, N
Nearest Mine Site	Petnikota Cement Limestone mine	0.63 km, E
	Chintalayapalli Limestone Mine	1.71 km, SE
	UltraTech Limestone mine	2.7 km, W
	UltraTech Limestone New mine	3.0 km, W

	Gudipadu Limestone Mine (PCIL) Nayanapalle Limestone Mine Kolimigundal Limestone Mine Penna Talaricheruvu Limestone mine Penna Korumanipalli Limestone mine	6.13 km, WNW 2.17 km, N 3.19 km, E 4.41 km, S 6.95km, SSE
Nearest Industries	UltraTech Cement Ltd The Ramco cements Ltd Penna Cement Industries Ltd Sagar Cements (R) Ltd APGENCO Solar Power Plant	5.0 km, WSW 6.28 km, ENE 9.67 km, S 8.0 km, W 5.39 km, SSW

x. 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	No	PP submitted the letter obtained from the Principal Chief Conservator of Forests, Andhra Pradesh vide Letter No: PCCF-15030/2/2018-FCASEC/ PCCF-FCA-2 dated 04.11.2019 stating that the Limestone mining block in Kanakadripalli Block was demarcated with GPS survey (taken latitude, longitudes) and the Kanakadripalli Mining Block is located outside of the Reserve Forest. It is nearly 14.68 Km from Reddipalli Reserve Forest and 13.37 Km from Obulapuram Reserve Forest of Owk Beat of Banaganapalli Section, Dhone Range of Kurnool Division.
National Park	No	---
Wildlife Sanctuary	No	
Eco-Sensitive Zone (ESZ)	No	
Archaeological Monument	Belum Caves- 7.06 km, N	PP submitted the NOC obtained from the Office of the Commissioner, Archaeology and Museums, Vijayawada, Govt. of AP vide File No. YTC07-17034/44/2018-A SECTION-A&M dated 27.11.2018.
Schedule-I species	Black Buck and Peafowl were reported within 10	PP submitted that the Wildlife Conservation plan for Schedule-1 species was prepared and approved by the Prl. Chief Conservator of Forests (WL) & Chief Wildlife Warden vide Rc.No. 9968/2018/WL-2(i) dated 07.11.2019. An approved amount of Rs 175.0 lakhs is

	km radius of the project site.	already paid towards implementation of approved wildlife conservation plan. That includes for 4 Mining leases, the power plant & cement plant.
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xi. Green belt/plantation details:

Proposed area for green belt/plantation	58.23 Ha
Total No. of saplings	87,345
Budget for green plant& plantation till the end of life of mine.	Capital Cost: Rs.185Lakhs Recurring Cost: Rs. 137 Lakhs
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier	16.34 Ha.
50 m safety zone of nallah, roads, electric lines	Safe Zone of Nala-24.29 Ha. Safe Zone of Power line – 17.60 Ha.
500 m safety zones of nearest habitation villages	-

xii. Baseline Details:

Period	October to December, 2021 (Post Monsoon Season)				
AAQ parameters at 8 locations	Pollutant	Min, µg/m ³	Max, µg/m ³	98 %le, µg/m ³	Standard, µg/m ³
	PM2.5	17.1	28.8	28.4	60
	PM10	45.2	60.1	59.7	100
	SO2	8.1	13.9	13.7	80
	NOx	9.2	15.2	14.9	80
AAQ modeling	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM10	60.1	11.07	71.1	100
	PM2.5	28.8	5.59	34.3	60
	SO2	13.9	0.22	14.1	80
	NOx	15.2	7.02	22.2	80
Noise level at 8 locations	Day Time: 52.4 to 54.8 Leq dB (A) Night Time: 41.7 to 44.4 Leq dB (A)				
Ground water quality at 7 locations	PP reported that the pH of the water samples were in the range of 6.78 - 7.18 indicating alkaline in nature. Total dissolved solids in the sample were 476 - 1030 mg/l. Total hardness as CaCO ₃ was found to be in the range 280-515 mg/l. Chlorides concentration was found to be in the range 25-180 mg/l. Fluoride concentration was found to be in the range 0.60-1.22 mg/l. Sulphates concentration was found to be in the range 14-167 mg/l. Heavy metal concentrations in the samples were found to be Below Detectable limits. 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 at 4 locations	PP reported that pH of the surface water samples is in the range of 7.10 -7.74 indicates alkaline in nature. DO concentration was found to be in the range 5.5 – 5.8 mg/l. BOD concentration was found to be in the range 2 - 3 mg/l in all locations. COD concentration was found to be in the range 9 – 15 mg/l. Based on the CPCB five classifications for the inland surface water bodies, the monitoring results of Peddavanka and Mada Vagu were analyzed to identify suitability of the water. As observed, the pH is slightly alkaline, DO is found to be 5.5 to 5.8 mg/l and BOD is 2- 3 mg/l. This water falls under the category B and it can be used for outdoor bathing.
Soil quality at 8 locations	PP reported that pH of all samples indicate slightly alkaline. Most of the soil samples are loam. The Nutrient Nitrogen is more than sufficient, Potassium and Phosphorous are moderate and the soils show good fertility range based on NPK values. Organic carbon is less at few places and requires addition of manure. All Micro nutrients like Zinc, Copper and Manganese, when extracted were found to be sufficient. It is found that the soils are of good fertility and with minimum application of Fertilizers and Manure, the agricultural operations are normal and better yielding.
Traffic Survey	PP submitted that Traffic study has been carried out at State Highway (SH- 57) connecting Kolimigundla –Gooty Road near to Project site of Kanakadrialle Village and Itikala Ummayapalli Road near to road connecting State Highway of Itikala Village. The maximum trucks which would add to the existing traffic will be 4 trucks / hour (9 PCU/hr) due to the transportation of limestone from proposed mine site to the crusher located at Chinthalayaplli mine site. The Level of Service which is at present in A & B Category (Excellent & Very Good) will retain the same for respective roads.

xiii. Public Hearing (PH) Details:

Advertisement for PH with date	08.05.2022
Date of PH	08.06.2022 by Andhra Pradesh Pollution Control Board
Venue	Time: 3.00 PM at Mine Lease area, Petnikota (V), Kolimigundla (M), Kurnool (D), Andhra Pradesh.
Chaired by	Sri. B. Pullaiah, District Revenue Officer Nandyal District, A.P.
Main issues raised during PH	<ul style="list-style-type: none"> i. Preference to be given for locals for Employment. ii. Management to carry out mining operations without causing air, water and noise pollution. iii. Management to develop the Green Belt programme in the project area surrounding villages and Avenue plantation. iv. Develop the infrastructure and improve the network

	<p>of the roads in the surrounding villages.</p> <p>v. Repair works in the Ramalayam temples</p> <p>vi. Supply of drinking water through RO plants to surrounding villages.</p> <p>vii. Requested Ramco to lay more pipelines for supply of water to Petnikota village.</p> <p>viii. Provide ambulance facility to the surrounding villagers.</p> <p>ix. Conduct the medical camps in the surrounding villages and distributing medicines with free of cost to the villagers.</p> <p>x. Management to construct a primary health centre</p> <p>xi. Provide compound wall to Kanakadripalli school</p> <p>xii. Set up a library facility in surrounding villages</p> <p>xiii. Provide a Sport Ground for surrounding villagers.</p>
Budget proposed for addressing issues raised during PH	Rs. 82.0 Lakhs

xiv. Rehabilitation & Resettlement:

R & R details	<p>The Project Proponent submitted that no R & R is involved. The proposed mining lease area is 435.24 ha. Out of this, 419.08 Ha is patta land (378.833 Ha patta land owned by PP & balance 40.247 Ha patta land yet to be purchased) and 16.16 ha. is Govt. land. PP will purchase balance required land of 40.247 Ha belonging to land owners required for mining operation with mutual consent of mine owners. Compensation will be paid considering two times of the market price while purchasing the land. About Rs 13.0Cr is budgeted for Land acquisition which is part of capital cost.</p> <p>The Project Proponent submitted the possession certificate has been obtained from the Revenue Department, (Tahsildar) Govt. of Andhra Pradesh vide Lr No. Rc.A.307/2022 and Dated. 07.09.2022 stating that out of the above total extent of 435.24 ha, Govt. land consists of 16.16 ha and Patta land consists of 419.08 ha. Against the above patta lands, M/s The Ramco Cements Limited have purchased 378.833 ha and they are in possession of these lands. PP also submitted an undertaking vide letter dated 08.09.2022 stating that the remaining area of 40.247 ha of patta land will be purchased within a period of one year from the grant of the EC.</p>
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xv. Court case details:

Court Case	The Project Proponent submitted a undertaking dated 2.02.2023 that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up.
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xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Project Proponent submitted an Affidavit in an non-judicial stamp paper of Rs 100 bearing no CV 323076 dated 29.03.2022 stating that all the statutory requirements& judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India &Ors will be complied.
Project Proponent submitted an undertaking dated 20.07.2022	The Project Proponent submitted an undertaking to the effect that the conditions laid down in Terms of Reference (ToR) issued by MoEF&CC vide Lr No. J-11015/6/2019-IA.II(M) dated 13.12.2019 for Kanakadripalli Limestone Mine (ML area: 435.24 Ha.) which proposes Limestone production of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Topsoil: 0.013 MTPA + Overburden/Waste: 0.005 MTPA), located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh. The information and data submitted is factually correct and The Ramco Cements Limited owns the contents of the report.
Consultant submitted an undertaking dated 20.07.2022	The Consultant submitted an undertaking stating that the M/s B.S Envi-Tech Pvt Ltd has complied with all the prescribed Terms of Reference (TOR) issued by MoEF&CC in preparation of Final EIA Report for M/s The Ramco Cements Limited (Formerly known as Madras Cements Ltd) which proposes Limestone production of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Topsoil: 0.013 MTPA + Overburden/Waste: 0.005 MTPA) from Kanakadripalli Limestone Mine (ML area: 435.24 Ha.) located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.
Plagiarism Certificate certified on 20.07.2022	The Head of the Accredited Consultant Organization/Authorized person certified that FEIA Report has been evaluated using online/inhouse software viz., Plagiarism-Checker/. The report produced has been analyzed by the system and based on it, I certify that the EIA report produced in accordance with

xvii. Details of the EMP:

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	35.0	71.0
Environmental Monitoring	25.0	313
Greenbelt development	185	137
Occupational Health Check up	5.0	31.7
Rainwater Harvesting Structures	5.0	27.9
Retaining wall	20.3	-
Pit fencing	6.77	-
Wild Life Conservation Plan	10	-
Enumeration of Schedule-I species study	10	-
Total (Lakhs)	302.07	580.6

xviii. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	3.7297
Project Cost	44.90
Employment	30 No.s

3. Observation and Recommendation of the Committee: -

The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant as sought by the EAC in its meeting held during 18-20, October, 2022. The Project Proponent informed the EAC that expansion will be done during the year 2025-30 from 0.1 MTPA to 2.0 MTPA and at the conceptual stage production capacity will be 3.5 MTPA. PP also informed the EAC that the material from this mine will be transported to adjoin mine where the crusher is located and within 5 years conveyor belt will be commissioned internally between these two mines also. The EAC opined that the conveyor belt shall be in place by the year 2027 for transporting 2.0 MTPA. Modified Mining Plan was approved by Indian Bureau of Mines vide letter dated 17.01.2023. One year is required from the date of the availability in the market to switch over to EVs/CNG as available in safe and reliable manner. The Project Proponent informed the EAC that the breakup of the revised EMP budget from Rs. 292.07 Lakhs to Rs. 302.07 Lakhs has been submitted in Parivesh. The EAC asked the Project Proponent whether any court case pending against the project. The Project Proponent informed the EAC that there is no court case pending against the project.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC (Non-Coal Mining) in its meeting held during 17-18 January, 2023 **recommended** the proposal under the provisions of EIA Notification, 2006 for grant of Environmental Clearance

(EC) for mining of Limestone in Kanakadripalli Limestone mine of M/s. The Ramco Cements Limited with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh for 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 during its 9th EAC (Non-Coal Mining) meeting held during 17th - 18th January, 2023 hereby accords Environmental Clearance (EC) for mining of Limestone in Kanakadripalli Limestone mine of M/s. The Ramco Cements Limited with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh subject to compliance of the terms & conditions and the environmental safeguards mentioned below: -

A. SPECIFIC CONDITIONS

- i. The new crusher along with the conveyor should be commissioned within 3 years i.e., by January, 2026. The project proponent needs to submit undertaking regarding commissioning of conveyor belt by January 2026.
- ii. The Project Proponent needs to modify the mining plan based on future production plan.
- iii. The Project Proponent shall ensure that the transportation shall not occur through village road or any other public road.
- iv. The Project Proponent shall ensure that the no damage should be ever caused to the monument in any way during the process of Mining.
- v. The ground induced blasting vibrations shall be monitored regularly for every blast performed and 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.
- vi. The Project Proponent shall implement the recommendations of the site-specific ground vibration study carried out by National Institute of Rock Mechanics (NIRM), Bengaluru. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.
- vii. The Project Proponent shall construct the two check dams proposed in Kanakadripalli Village for recharging of the Ground water and desilting. The construction of check dams shall be completed within one year from the start of mining operations.

- viii. The Project Proponent needs to install one Continuous Ambient Air Quality Monitoring Stations (CAAQMS) within two years from the commencement of mining operations. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- ix. 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, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.
- x. The Project Proponent shall provide their support to Forest Department for conduct of population for count of Schedule-1 species with an earmarked budget of Rs 10 Lakhs.
- xi. The Project Proponent shall erect the chain link fencing (3.3 km Length) in a phased manner all along the lease boundary near roads and villages towards protection and safety of Schedule-I species and protection from feral dog's within two years from the start of mining operations.
- xii. The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine lease area.
- xiii. The Project Proponent shall explore the possibility of using atleast 20% of electric vehicles/LNG/CNG instead of diesel operation.
- xiv. The Project Proponent shall ensure the survival rate of 95% for planting the peripheral and safety barrier plantation. 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 entire peripheral plantation and the safety barrier plantation shall be completed within 3 years from the start of mining operations.
- xv. 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.
- xvi. The budget of Rs 82.0 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.

- xvii. The Project Proponent needs to supply the RO drinking water supply to the Villages Kanakadripalli and Petinkota.
- xviii. 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.
- xix. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 3.02 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.
- xx. 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.
- xxi. 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.
- xxii. 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.
- xxiii. The Project Proponent shall adhere to the employment scheme adopted for employing during establishment of cement plant and mines. PP shall maintain the records of the same.
- xxiv. The Project Proponent needs to obtain the star rating as per the guidelines of Ministry of Mines within 3 years of commencement of mining operations.
- xxv. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs in line with the policy and guidelines of the Central/State Government, as provided under the law in such a way that the compensation should benefit the current and future generation.

- xxvi. 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.
- xxvii. 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

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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-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.

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.

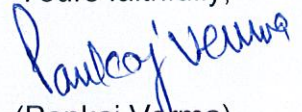
40) The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

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.

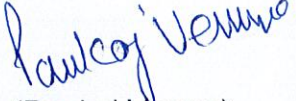
7. This issues with the approval of Competent Authority.

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 Andhra Pradesh, 4th Block, 1st Floor, Room No:268, Andhra Pradesh Secretariat Office, Velagapudi.
- iii. **The Secretary**, Department of Forests, Government of Andhra Pradesh, Aranya Bhavan, K.M. Munshi Road, Nagarampalem, Guntur-522004, Andhra Pradesh.
- iv. **The Secretary**, Department of Mines and Geology, Government of Andhra Pradesh, Sri Anjaneya Towers, D.No. 7-104, B-Block, 5th & 6th Floors, Vijayawada, Ibrahimpatnam, Andhra Pradesh 521456.
- v. **The Secretary**, Department of Industries and Commerce (M-III), Government of Andhra Pradesh, Commissionerate of Industries, First Floor, Government Regional Printing Press Buildings, Mutyalampadu, Vijayawada-520011.
- vi. **The Regional Officer**, Integrated Regional Office (IRO), Vijayawada, Ministry of Environment, Forest and Climate Change, Green House Complex, Gopalreddy road, Vijayawada-520010, Andhra Pradesh.
- vii. **The Member Secretary**, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- viii. **The Member Secretary**, Andhra Pradesh State Pollution Control Board, D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada – 520 010.

- ix. **The Member Secretary**, Central Ground Water Authority, A 2, W-3 Curzon Road Barracks, K.G Marg, New Delhi-110011.
- x. **The Chief Wildlife Warden**, Govt. of Andhra Pradesh, Aranya Bhawan, K.M. Munshi Road, Nagarampalem, Guntur-522004, Andhra Pradesh.
- xi. **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- xii. **The District Collector**, Kurnool District, Government of Andhra Pradesh.
- xiii. Guard File.
- xiv. **PARIVESH Portal.**


(Pankaj Verma)
Scientist 'E'