



F.No. J-11015/25/2011-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

2nd Floor, Prithvi Wing
Indira Paryavaran Bhavan
Jor Bagh Road, Aliganj
New Delhi-110 003

Date: 3rd March, 2021

To

M/s J K Cement Limited
Kamla Tower
Kanpur- 208 001
Uttar Pradesh

Sub: Proposal for Environmental Clearance (EC) of Mangrol Tilakhera Limestone Mine with expansion from 1.6 Million TPA (ROM) of Limestone to 2.4 Million TPA (ROM) Total Excavation (Limestone 1.80 Million TPA + Mineral Rejects-0.55 Million TPA + Interstitial clay-0.04 million TPA + Soil-0.01 Million TPA) in the mine lease area of 299.20 ha located at village Mangrol and Tilakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan by M/s. J.K. Cement Limited- reg.

Sir,

This has reference to proposal no. IA/RJ/MIN/181062/2018 for Environmental Clearance (EC) of Mangrol Tilakhera Limestone Mine with expansion from 1.6 Million TPA (ROM) of Limestone to 2.4 Million TPA (ROM) Total Excavation (Limestone 1.80 Million TPA + Mineral Rejects - 0.55 Million TPA + Interstitial clay - 0.04 million TPA + Soil - 0.01 Million TPA) in the mine lease area of 299.20 ha located at village Mangrol and Tilakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan by M/s. J.K. Cement Limited. The mining lease area is a part of the Survey of India Topo-sheet No. 45L/10. The site falls between latitude 24°41'33.0" to 24°40'59.5" N to longitude 74°42'44.1" to 74°41'00.0" E and falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as the mining lease area is more than 100 ha.

3. The proposal was considered for ToR in the EAC meeting held during July 19-20, 2018. The ToR was granted by MoEF&CC vide letter dated 8th August 2018. The

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project proponent submitted the application on 31st October, 2020. An EDS was raised on 09.11.2020. PP submitted the reply on 10.11.2020. Then, the proposal was placed in 24th EAC meeting held on 11th December, 2020 wherein the Committee deferred the proposal and requested for additional information. The project proponent furnished the requisite information.

4. The project proponent submitted that the mining lease was originally sanctioned in favour of J. K. Cement Works by State Govt. vide order no. F.9 (9) Khan/ Gr. IV/ 75 dated 23.07.1977 for an area of 299.20 Ha. The lease deed was registered on 09.05.1978 for a period of 20 years i.e., 09.05.1978-08.05.1998. The commencement of mining operations was done on 07.05.1979. The first lease renewal was granted by State Govt. for a period of 20 Years vide order no.F-16(30) mines/group-2/1998 dated 10.11.2010 from 09.05.1998 to 08.05.2018. As per provisions of MMDR amendment act 2015 the date of expiry of lease period extended up to 31.03.2030 vide state Govt. Order no. AME/ Nima/CC-1/ML7/1997/ 2034 dated 27.02.2015.

5. The project proponent submitted that approval of Modification in Mining Plan along with Progressive Mine Closure Plan (PMCP) for the period 01.04.2018 to 31.03.2023 was approved by the Regional Controller of Mines, IBM, Ajmer vide letter No. 584 (4) (3) (1767)/ 2018-RCOM-AJM/ 16 on dated 03.01.2019 under rule 17(3) of MCR, 2016 for an area of 299.20 Ha. for the capacity of 2.40 Million TPA capacity.

6. The project proponent submitted that opencast fully mechanized with controlled blasting, wet drilling, excavation, loading and transportation will be carried out.

7. The project proponent submitted that existing water requirement is 50.0 KLD; after expansion - 80 KLD (Drinking & Domestic – 3.0 KLD, Dust Suppression- 55.0 KLD, Plantation- 12.0 KLD and HEMM Washing- 10.0 KLD). Drinking & Domestic water will be sourced from ground and rest of the water requirement will be met from rain water collected in Mine pit. The project proponent submitted that the highest and lowest elevation is 438 AMSL and 427 AMSL respectively. Water table in summer stands about 367 AMSL at a depth of about 60 mtr from surface in pre monsoon whereas in post monsoon water table stands about 387 AMSL at a depth of about 40 mtr from surface. Present working depth of pit-1 is 390.7 AMSL and pit-2 at 401.9 AMSL. Ultimate pit level will be 374 AMSL at conceptual stage. Hence presently mine is not intersecting the ground water table but at conceptual stage it will intersect in post monsoon period. NOC for ground water withdrawal for existing cement plant at Nimbahera and Mangrol-Tilakhera limestone mine & Nimbahera – Ahirpura limestone mine has been obtained from the Office of Central Ground Water Authority, Ministry of Water Resources, River Development & Ganga Rejuvenation vide letter no. 21-4(34)/WR/CGWA/2005-907 dated 14.05.2018 for the water table intersecting and



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abstraction of ground water to the tune of 2,747m³/ day which is valid up to 13.05.2020. Renewal application for the same has been applied on 12.02.2020.

8. The project proponent submitted that required plantation in 33% of used ML area is 15.0579 ha. Total plantation up to Sept' 2020 is 44385 & total ha. 16.31. Considering the survival rate 49.81% the present plantation on land is 22108 numbers including plantation in 0.23 ha 7.5 mtr safety zone. To increase the density of plantation of 2500 Nos./ha, total required saplings will be 40775 nos (16.31 ha. X 2500), hence additional plantation of 18667 nos (40775-22108) will be completed by Sep, 2021. Total 7.5 m safety zone area is 1.95 ha, out of which 0.23 ha area has been planted and remaining 1.72 a will be completed by 30th Sept 2021. Total required nos of plantation will be 4300 nos (1.72ha. X 2500).

9. The project proponent submitted that there are 13 reserve forests and 4 protected forests present near the project site which are as follows:

S.No.	Particulars	Distance (Km)	Direction
		(from lease boundary)	
1.	Galundia Block RF	6.90	N
2.	GadwaraDharana Block RF	7.45	NE
3.	Tai Block RF	5.35	NE
4.	Mewasa RF	5.00	ENE
5.	Charliya RF	8.45	E
6.	Udpuria RF	8.35	ENE
7.	Kalkaliya R.F	10.90	WNW
8.	Machhliya R.F.	12.75	WNW
9.	Rajori R.F.	9.90	N
10.	Guda Ki Dhar Block -A R.F.	9.50	ENE
11.	Guda Ki Dhar Block -B R.F.	11.25	NE
12.	P.F.	10.00	E
13.	Pachhala Block R.F.	12.65	NE
14.	Alsigarh P.F.	11.25	W
15.	Bansaria Block P.F.	12.35	W
16.	Kotmagra R.F.	13.50	SW
17.	P.F.	12.40	E

Source: Distances and direction are taken with respect to SOI Toposheet & Google Earth.

10. The project proponent submitted that there are six Schedule -1 species found which are as follows:

- (a) Pavocristatus (Indian Peafowl)
- (b) Pantherapadusfusca (Indian Leopard)



- (c) Prionailurus rubiginosus (Rusty-Spotted Cat)
- (d) Canis lupus pallipes (Indian Wolf)
- (e) Varanus bengalensis (Indian Monitor Lizard)
- (f) Gyps indicus/Gyps bengalensis (Indian Vulture)

Combined Wildlife Conservation Plan for seven entities which includes J.K. Cement Works Nimbahera, J.K. Cement Works Mangrol, Nimbahera Ahirpura Limestone mine, Maliakhera Limestone mine, Karunda Limestone Mine Mangrol –Tilakhera Mine and Mangrol Limestone mine located in common Tehsil Nimbahera District, Rajasthan has been approved by the Principal Conservator of Forest, Udaipur and recommendations forwarded to Additional Chief Conservator of Forest Jaipur for formal sanction vide letter no.f5()forest conservation/Principal conservator of Forest/2020-21/ 5002 dated 24.09.2020 and same proposal has been forwarded to APCCF&CWLW, Jaipur on 15.10.2020 by DYCF, Jaipur.

11. The project proponent submitted that there is no Wildlife Sanctuary/ National Park/ Biosphere Reserve/ Wildlife Corridor existing as well as proposed within 15 km radius of the project area, hence Eco-sensitive Zone (ESZ) / NBWL is not applicable.

12. The project proponent submitted that the baseline data was collected during October to December, 2018. Public hearing was conducted on 28.02.2020 at 11:30 am in the premises of Rajiv Gandhi Seva Kendra Gram Panchayat Arnia Joshi, Tehsil Nimbahera, District Chittorgarh under the chairmanship of Mr. Mukesh Kumar Kalal, Additional District Collector, Chittorgarh and under the auspices of Mr. Sharad Saxena, Regional Officer, Rajasthan State Pollution Control Board, Chittorgarh for the proposed Expansion Project with Production Capacity of 1.6 MMTPA to 2.4 MMTPA of Tilakhera Limestone Mine.

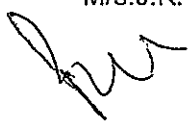
13. The project proponent submitted that EMP Capital Cost is 165.93 Lacs and Recurring Cost is 17.28 Lacs.

14. The project proponent submitted that no litigation is pending against the lease area/ applicant of this lease area in any court of law.

15. The project proponent submitted the authenticated past production details vide letter no.SME/Nimba/Sangrak/7/1997/2020-21/34 dated 20.10.2020.

16. The project proponent submitted that existing project cost is 10.53 Crores and proposed is 18.72 Crores. Total project cost will be 29.25 Crores. Existing employment is 77 persons and after expansion, it will be 108 persons.

17. The proposal was considered in 26th EAC meeting held during 11-13th January, 2021. Based on the documents submitted and presentation given by project proponent



and consultant, the Committee recommended the proposal for grant of Environmental Clearance (EC) of MangrolTilakhera Limestone Mine with expansion from 1.6 Million TPA (ROM) of Lime stone to 2.4 Million TPA (ROM) Total Excavation (Limestone 1.80 Million TPA + Mineral Rejects- 0.55 Million TPA + Interstitial clay- 0.04 million TPA + Soil- 0.01 Million TPA) in the mine lease area of 299.20 ha located at village Mangrol and Tilakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan by M/s. J.K. Cement Limited with specific conditions:

18. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto; and after accepting the recommendation of 26th EAC meeting held during 11-13th January, 2021 decided to accord the Environmental Clearance to M/s. J.K. Cement Works for MangrolTilakhera Limestone Mine with expansion from 1.6 Million TPA (ROM) of Lime stone to 2.4 Million TPA (ROM) Total Excavation (Limestone 1.80 Million TPA + Mineral Rejects- 0.55 Million TPA + Interstitial clay- 0.04 million TPA + Soil- 0.01 Million TPA) in the mine lease area of 299.20 ha located at village Mangrol and Tilakhera, Tehsil Nimbahera, District Chittorgarh, Rajasthan with following additional and standard conditions.

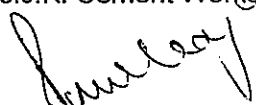
Specific conditions:

- (a) The project proponent shall submit an undertaking that gap plantation and peripheral plantation will be completed in balance 1.72 ha by September 2021 using tall saplings of 5-6 feet as per the guidelines of the Ministry.
- (b) The project proponent shall spend Rs. 25 Lakhs for creating water sources or water harvesting structures to benefit the wildlife.
- (c) The project proponent shall review annually the efficacy of conservation plan and shall submit the progress report to Ministry as directed.
- (d) PP shall establish the Environment Management Cell separately for the mine and engage sufficient number of qualified staff for the implementation of Environmental Clearance conditions and other statutory requirements.
- (e) PP to ensure that the necessary EMP should be implemented and monitored properly to ensure better compliance of the said conservation measures.
- (f) Regular surveillance on Silicosis shall be carried through regular occupational health check up of 1/3 of the persons every year.

B. Standards conditions

I. Statutory compliance

- (1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- (2) The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.



- (3) The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- (4) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- (5) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- (6) State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- (7) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- (8) The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

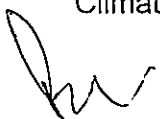
II. Air quality monitoring and preservation

- (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.



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- (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 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

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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.

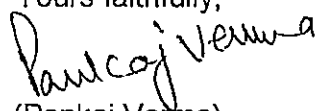
XI. Miscellaneous

- (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, MoEFCC.
- (38) The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC 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 re-grassing 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 or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attracts action under the provisions of Environment (Protection) Act, 1986.

19. 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.

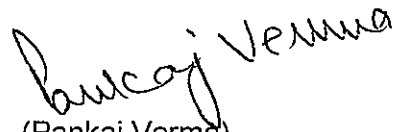
20. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

21. This issues with the approval of Competent Authority.

Yours faithfully,

(Pankaj Verma)
Scientist E

Copy to:

- (1) The Secretary, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- (2) The Secretary, Department of Environment, Government of Rajasthan, Rajasthan.
- (3) The Secretary, Department of Forests, Government of Rajasthan, Rajasthan.
- (4) The Secretary, Department of Mines and Geology, Government of Rajasthan, Rajasthan.
- (5) The Additional Chief Conservator of Forests, Additional Principal Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector H, Aliganj, Lucknow, Uttar Pradesh 260 224.
- (6) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum—Office Complex, East Arjun Nagar, Delhi—110032.
- (7) The Chairman, Rajasthan State Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur- 302 004
- (8) The Member Secretary, Central Ground Water Authority, A2, W—3 Curzon Road Barracks, K.G. Marg, New Delhi—110001.
- (9) The Controller General, Indian Bureau of Mines, Indira Bhawan, Civil Lines, Nagpur— 440 001.
- (10) The District Collector, Chittorgarh District.
- (11) Guard File.
- (12) MOEFCC Website


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