



**State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)**

Environmental Planning & Coordination Organization

Paryavaran Parisar, E-5, Arera Colony
Bhopal-4620 16

visit us <http://www.mpseiaa.nic.in>

Tel:0755-2466970, 2466859

Fax : 0755-2462136

No: 193 / SEIAA /18

Date: 4.5.18

To,

Shri Umakant Patel Owner,
Village Kakaiya, District Mandla (M.P.) -492009.

Sub:- **Case No. 5631/2018** - Prior Environmental Clearance for Dolomite Mine (Open Cast Other than fully mechanized Method) in an area of 5.11 ha. for production capacity of 66479 TPA at Khasra No. 1448,1449,1450,1452,1454 at Village Kakaiya, Tehsil Bichhiya, District Mandla (M.P.) by Shri Umakant Patel Owner, Village Kakaiya, District Mandla (M.P.) -492009.

This has reference to your letter received in SEIAA office on 10.01.2018 and subsequent letters seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form – I, Appendix-1 Mining Plan & EMP, the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

II. It has been noted that the proposal is for **Dolomite Mine** in an area of 5.11 ha. The mining lease area is located at khasra no. 1448,1449,1450,1452,1454 at Village Kakaiya, Tehsil Bichhiya, District Mandla. The nearest village Kakaiya is located at the distance of 0.40 km ENE & the nearest canal is located at the distance 0.25 km - E. There is no National Park/Sanctuary within 10 Km radius. The forest boundary is about 14.59 m from mining site (DFO Letter no. 3819 dated. 19.10.2015). As per M.P.Govt , Mineral Resources Department , Mantralaya (L.No. 4965/ 28/2010/12/1 Bhopal, dtd.03.09.2010), Divisional Level Commissioner Committee report is not required in this case as it is old sanctioned mining lease and lease period has not expired.

The proposed project is for production capacity of 66479 TPA. The mining will be carried out by Open cast Other than fully mechanized Method. The water requirement is 54 KLD. The water met from mine sump & tanker will be used for domestic purpose, dust suppression and green belt development. An area of 2.7158 ha area shall be covered under plantation and 1700 sapling shall be planted.

III. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006.

IV. Based on the information submitted, as at Para (II) above and others the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 479th meeting dtd. 12.04.2018 and decided to accept the recommendations of 309th SEAC meeting dtd. 23.03.2018.

Hence, Prior Environmental Clearance is granted for Dolomite Mine (Open Cast Other than fully mechanized Method) in an area of 5.11 ha. for production capacity of 66479 TPA at Khasra No. 1448,1449,1450,1452,1454 at Village Kakaiya, Tehsil Bichhiya, District Mandla (M.P.) for the lease period to Shri Umakant Patel Owner, Village Kakaiya, District Mandla

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(M.P.) -492009, subject to the compliance of following specific conditions as recommended by SEIAA & SEAC and subsequent Standard Conditions.

A. SPECIFIC CONDITIONS

1. Fencing shall be carried out in the periphery of the ML area
2. Before commencing any mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of signage at 4 corners of lease area to avoid any untoward incident involving public and animals by the PP.
3. PP shall demarcate a barrier zone of 7.5 m towards the forest boundary as no mining zone and develop a green belt in it. The plantation shall be carried out in the greenbelt area in current year with proper watering arrangement. The Chain-link fencing (7 ft.height) 100 m long shall be also carried out towards the forest area in consultation with Department of Forest.
4. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.
5. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.
6. PP will plant 3 years old tree 1700 saplings of suitable indigenous tree species at the barrier zone in an area of 0.8508 ha and 280 saplings in 350 m of approach road during first year.
7. PP shall ensure to construct and maintained approach road from the mine site. Plantation will be carried out on both side of the approach road. PP shall also ensure maintenance of existing pakka road in consultation with competent authority.
8. The over burden and waste will be stacked for five years and then simultaneously backfilled in the mined out area where plantation will be raised on it.
9. No overburden will be dumped outside the mine lease area.
10. Regular air & water quality monitoring shall be carried out by PP before discharging it into the nearby agriculture fields from authorized laboratory in consultation with Regional Officer, MPPCB.
11. PP shall ensure generation of employment opportunities nearby Village on priority bases.
12. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.
13. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.
14. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields
15. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
16. PP shall ensure the proper water supply arrangements for plantation especially in summer season.
17. PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing pakka road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
18. PP must ensure implementation of the following activities with separate budget provision should be kept under CSR.
 - a) PP shall provide Toilets, fresh water supply, building repairing etc
 - b) Promotion of water tank, sanitation facilities and construction of community toilet in nearby villages.

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- c) Need Base activities of Local authorities requirement.

The modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Collector and Grampanchayat.

19. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA.

B. PRE-MINING PHASE

20. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
21. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
22. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
23. PP will also carry out fencing all around the lease area.
24. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
25. For dust suppression, regular sprinkling of water should be undertaken.
26. PP will obtain other necessary clearances/NOC from respective authorities.

C. MINING OPERATIONAL PHASE

27. Blasting shall be carried out as per the approved mine plan and in accordance with the DGMS norm/rules
28. The settled silt shall be collected in RCC pit and shall be utilised for back filling.
29. Health surveillance of workers especially for silicosis shall be carried out and report shall be submitted to SEIAA.
30. Drain shall be provided all along the lease boundary with settling pits at interval and shall join to settling tank
31. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
32. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 5230 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
33. Transportation of material shall be done in covered vehicles.
34. Transportation of minerals shall not be carried out through forest area.
35. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the DGM/IBM.
36. Garland drains 321mt L X 1.0mt D X 1.0m W, 180mt L X 1.0mt D x 1.0m W, 262mt L X 1.0m D x 1.0m W, 218mt L X 1.0m D x 1.0m W, 278mt L X 1.0m D x 1.0m W with 19settling pits should be provided to avoid silt discharge. Three settling tanks (0.20ha x 5mD, 0.22ha x 5mD, 0.21ha x 5mD,) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
37. Water sprinkling through tankers should be provided on 500meter long and 6 meter wide haul road. However, regular water spraying should also be practiced on 350 meters long



and width 6 meters wide transport road for dust suppression.

38. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
39. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	0.6444	3.1632
2.	Dumps	0.3651	Nil
3	Infrastructure & Roads	0.039	Nil
4	Mineral storage	Nil	Nil
	Settling tank	Nil	0.42
5	Plantation Area	0.20	1.0508
6	Un worked area	3.8615	0.4760
	Total	5.11	5.11
1	Backfilled area	Nil	0.451
2	Plantation area	0.20	2.7158 (5230 no.)
2.1	Backfilled area	Nil	0.451 (900 no.)
2.2	Barrier zone	0.20 (200no.)	1.0508 (1900 no.)
2.3	Bench	Nil	1.214 (2430no.)
3	Water body	0.64	1.4982

40. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
41. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
42. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
43. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

D. ENTIRE LIFE OF THE PROJECT

44. The proposed EMP cost is Rs. 54.23 lacks and Rs. 16.53 lacks /year are proposed as recurring expenses out of which Rs. 13.56 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 2.39 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
45. Under CSR activity, Rs. 10.00 lacks and Rs. 8.0 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
46. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
47. A separate account should be maintained for all the expenses made in the EMP activities

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by PP for financial accountability and these details should be provided in Annual Environmental Statement.

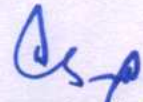
48. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
49. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

E. STANDARD CONDITIONS

1. Controlled blasting techniques, as and when required, shall be carried out in the day time only.
2. Mining will be carried out as per the approved Mining Plan. In case of any violation of Mining Plan the Environmental Clearance given by SEIAA will stand cancelled.
3. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points.
4. Where the quarry is in a hilly terrain and where some part of the hill is already cut for quarrying, further hill cutting shall not be done. In such cases, deepening the existing operational area may be preferably done.
5. Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior to mining operations for all proposals under consideration.
6. The lease holder shall obtain necessary prior permission of the competent authorities for drawal of requisite quantity of water (surface water and groundwater), if required for the project.
7. Parking of vehicles should not be made on public places.
8. Special Measures shall be adopted to prevent the nearby settlements from the impacts of mining activities. Maintenance of roads through which transportation of minor minerals is to be undertaken, shall be carried-out regularly.
9. Measures for prevention and control of soil erosion and management of silt shall be undertaken.
10. Trenches / garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies.
11. The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.
12. Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of mined out area.
13. Plantation programme shall be carried out as per EMP. Self sustenance of the vegetation should be ensured. No tree-felling shall be done in the leased area, except only with the permission from competent authority.
14. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation.
15. Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.
16. Persons working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
17. Dispensary facilities for first-aid shall be provided at site.
18. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies, as applicable, in addition to



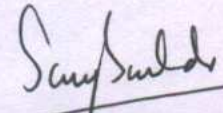
- the relevant officers of the Government
19. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
 20. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 21. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(P. Narahari)
Member Secretary

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Endt No.
Copy to:-

/SEIAA/18 Dated: 4.5.18

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Mantralaya, Bhopal.
2. Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-4620 16
3. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
4. Collector, District Mandla, M. P.
5. Divisional Forest Officer, District Mandla, M. P.
6. I.A. Division, Monitoring Cell, MoEF& CC, Gol, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi- 110 003.
7. Director (S), Regional office of the MOEF, Western Region, Kendriya Paryavaran Bhawan, Link Road No. 3 Ravi Shankar Nagar, Bhopal-462016
8. Director, Geology & Mining, Madhya Pradesh, 29-A, Khanij Bhawan, Arera Hills, Bhopal - 462002.
9. District Mining Officer, District Mandla, M. P.
10. Guard file


(Dr Sanjeev Sachdev)
Officer-in-Charge