



State Environment Impact Assessment Authority, M.P.
(Ministry of Environment, Forest and Climate Change, Government of India)

Environmental Planning & Coordination Organization

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Bhopal - 462016

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No.: 7220 /SEIAA

Date: 15.3.21

To,

Shri Brij Kishore Bhargava
Nai Basti,
PO & Dist. - Katni, MP - 483501

Sub:- Case No. – 8158/2021 Prior Environmental Clearance for **Dolomite Mine** (opencast mechanized method) in an area of 1.40 ha. for production capacity of 22947 TPA at Khasra No. 173 at Village - Magarhata, Tehsil - Badwara, Dist. - Katni (MP) by Shri Brij Kishore Bhargava, Nai Basti, PO & Dist. - Katni, (MP) - 483501, EMAIL - bhargava.minerals@gmail.com, Mobile – 9425154366.

This has reference to your letter received in SEIAA office on 06.02.2021 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, Pre-Feasibility Report, ToR and subsequently submission of EIA, Public Hearing and 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.

- I. It has been noted that the proposal is Dolomite mine in an area of 1.40 ha. The mining lease area is located in Khasra No. 173 at Village - Magarhata, Tehsil - Badwara, Dist. - Katni (MP). There is no National Park/Sanctuary/Biodiversity area within 10 Km radius. There is no forest boundary is less than 250 m distance from the ML area. It lies at geographical co-ordinates at latitude 23°41'22.9" to 23°41'28.6"N and longitude 80°33'41.8" to 80°33'48.1"E as per mining plan. Mining Plan is approved by the DGM (vide Letter No. 2296-97/Mining Plan Cell-2/Na.Kra. 109/2018, Bhopal dated 05.02.2019).
- II. The proposed project is for production capacity 22947 TPA. The mining will be carried out by opencast mechanized method. The total water requirement is 13.0 KLD (2.0 KLD for domestic purpose + 5.0 KLD for dust suppression + 5.0 KLD for green belt & 1.0 KLD for drilling).
- 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 663rd meeting dtd. 26.02.2021 and decided to accept the recommendations of 482nd SEAC meeting dtd. 17.02.2021.

Hence, Prior Environmental Clearance is granted for **Dolomite Mine** (opencast mechanized method) in an area of 1.40 ha. for production capacity of 22947 TPA at Khasra No. 173 at Village - Magarhata, Tehsil - Badwara, Dist. - Katni (MP) **for the lease period** to Shri Brij Kishore Bhargava, Nai Basti, PO & Dist. - Katni, MP - 483501, subject to the compliance of following specific conditions as recommended by SEIAA & SEAC and subsequent Standard Conditions.

A. Specific Conditions

1. 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.
2. PP shall not start mining activity before execution of lease agreement.
3. The depth of the pit shall be as per the Approved Mining Plan.
4. The entire area shall be fenced and three rows of plantation should be done on the periphery of the boundary.
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 shall ensure to construct garland drain with settling tank all around the lease area and regular cleaning & maintenance shall also be carried out by PP.
7. PP shall ensure the proper water supply arrangements for dust suppression, regular sprinkling, plantation and drinking purposes especially in summer season.
8. Total 2588 saplings of suitable tree species i.e. Neem, Pipal, Bargad, Mango, Gulmohar, Sissoo, Kathal, etc. shall be planted by PP in first three years under plantation programme along the lease Boundary in mine premises and village area, Along the transportation road/ in premises, Village area and at identified revenue land of the district in consultation with DM/ Gram Panchayat. PP shall also explore and identify the chunk of land in the area from revenue record to carry out plantation programme as proposed.
9. 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.
10. PP must ensure implementation of the following activities under CER:

- a) Construction of 02 Toilets at Govt. Primary School /Aanganwadi center with water facility at village Magarhata.

PP shall give preference to develop/provide infrastructural facilities in schools or aanganwadies of above villages. 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 Gram Panchayat.

11. PP should ensure to submit half yearly compliance report, Plantation and CER activity report along with photographs of all activities in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC,Gol,Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

B. Pre-Mining Phase

12. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
13. 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.
14. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.

15. PP will also carry out fencing all around the lease area.
16. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
17. For dust suppression, regular sprinkling of water should be undertaken.
18. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
19. PP will obtain other necessary clearances/NOC from respective authorities.
20. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.

C. Mining Operational Phase

21. No overcharging during blasting to avoid vibration.
22. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
23. Working height of the loading machines shall be compatible with bench configuration.
24. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
25. No explosive will be stored at the mine site.
26. No intermediate stacking is permitted at the mine site.
27. No dump shall be stacked outside the lease area.
28. Overhead sprinklers shall be provided in mine.
29. 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.
30. 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 288 trees shall be planted on barrier zone, backfilled area, along the transportation route and in village (2300 No of trees) also. It has been reported that total 12 trees are survived within the lease area and out of that 04 trees will be uprooted and 08 will remain same. The compensation plantation of 40 in number shall be done in the village against the uprooted trees.
31. Transportation of material shall be done in covered vehicles.
32. Transportation of minerals shall not be carried out through forest area.
33. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM. 23. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the drain will be 428 M X 1M X 1M, 204M X 1M X 1M, and 525M X 1M X 1M The settling tank will be 01 in number of size 0.1x6mD
34. 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
35. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
36. The existing and proposed land use plan of the mine is as follows:

Items	Existing	Conceptual Period
Total lease area	1.40 ha	-
Ultimate depth of mining	8 m bgl (440 m MSL)	20 m bgl (428 m MSL)

Ultimate pit slope	Nil	45 degree
Area under dumps	0.10ha	Nil
Area under pits	1.10 ha	1.25 ha
Infrastructure & Road	0.05 ha	Nil
Mineral storage	Nil	Nil
Plantation	0.05ha	0.15 ha (300 No.)
Un-worked area	Nil	Nil
Total	1.40 ha	1.40 ha
Water body	0.75ha	1.25 ha
Area to be reclaimed	Nil	Nil
Plantation		
Un-worked area	0.05ha	0.15 ha (300 Nos.)
Backfilled area	Nil	Nil
Bench area	Nil	Nil
Total area for plantation	Nil	0.15 ha (300 No.)


D. Entire Life of the Project

37. In the proposed EMP, capital cost is Rs. 13.46 Lakh is proposed and Rs. 4.45 Lakh /year as recurring expenses.
38. 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.
39. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

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.


(B. Vijay Datta)
Member Secretary

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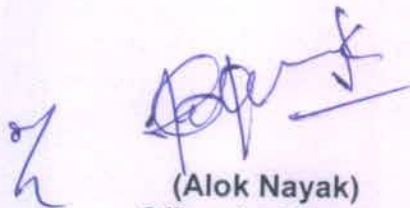


Endt No. / SEIAA/21
Copy to:-

Dated: 15.5.21

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 Katni (M. P.)

5. Divisional Forest Officer, District Katni (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 Katni (M. P.)
10. DEO, SEIAA, for update on website.
11. Guard file.


(Alok Nayak)
Officer-in-Charge