



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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No.: 3816 ISEIAA/20
Date: 07.01.2020

To,

Smt. Nirmala Khemka

P.O. - Jaitwara,

Dist. - Satna, MP - 485221

Sub:- Case No. - 5818/2019 Prior Environmental Clearance for Chitgarh Laterite, Ochre and White Clay Mine (opencast semi mechanized method) in an area of 44.093 Ha. (2,12,800 ton per annum) at Khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2, 233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at Village - Chitgarh, Tehsil - Kotar, Dist. - Satna (MP) by Smt. Nirmala Khemka, P.O. - Jaitwara, Dist. - Satna, MP - 485221.

- I. This has reference to your letter received in SEIAA office on 05.01.2019 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.
- II. It has been noted that the proposal is Stone Quarry in an area of 44.093 Ha. The mining lease area is located at Khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2, 233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at Village- Chitgarh, Tehsil - Kotar, Dist. - Satna (MP). There is no National Park/Sanctuary within 10 Km radius. There is no forest boundary in 250 m distance from the ML area. Mining Plan is approved by the DGM Bhopal (vide Letter No. 15225-26/MP/G-8/25/2017 dated 26/09/2018).

The proposed project is for production capacity 2,12,800 TPA. The mining will be carried out by Opencast semi mechanized method. The total water requirement is 16.0 KLD (2.0 KLD for domestic purpose + 7.0 KLD for dust suppression/ allied mining activity and 7.0 KLD for plantation) will meet from mine quarry where water is already stored and from nearby gram panchayat. The public hearing was conducted on 21.08.2019 at mine site, Village - Chitgarh, Tehsil - Kotar, Dist. - Satna (MP) under chairmanship of Collector, Satna.

- 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 Septezber 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 588th meeting dtd. 12.12.2019 and decided to accept the recommendations of 406th SEAC meeting dtd. 25.11.2019.

Hence, **Prior Environmental Clearance is granted for Chitgarh Laterite, Ochre and White Clay Mine (opencast semi mechanized method) in an area of 44.093 Ha. (2,12,800 ton per annum) at Khasra No. 62/1Kh, 62/1/G, 62/2/1, 62/2/2, 63/1K/1A, 63/1K/1B, 63/1Kh/K/1, 63/1Kh/K/2, 63/2, 64/1k, 64/1Kh, 64/2, 65/1, 65/2K, 65/2Kh, 65/2G, 65/3, 66/1, 66/2, 66/3/K, 66/3Kh, 66/3G, 66/3Gh/1, 66/3Gh/2, 233/1K, 233/1Kh, 233/2, 234/1, 234/2, 234/3/1, 234/3/2, 234/4 at Village- Chitgarh, Tehsil - Kotar, Dist. - Satna (MP) for the lease period to Smt. Nirmala Khemka, P.O. - Jaitwara, Dist. - Satna, MP – 485221, 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. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.
3. PP shall ensure to first divert and construct the road from northern side and only after that mining will be allowed to PP.
4. PP shall not start mining activity before execution of lease agreement.
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. No drilling and blasting will be carried out as recommended by SEAC.
7. Plantation shall be carried out as per the plantation programme. Total 44093 plants will be planted including suitable tree species i.e. Neem, Mango, Pipal, Bargad, Karanj, Gulmohar, Mahua, Tendu, Shaijan & Amla along BF area & Green Belt area **shall be ensured by PP on priority.**
8. Haul road shall be compacted on regular interval and transportation road will be made pucca (tar road) and shall be constructed prior to operation of mine.
9. No dump shall be stacked outside at the mine site.
10. No intermediate stacking is permitted at the mine site.
11. PP shall ensure protection and conservation of existing trees falling under mining lease area and in no way these will be permitted to be cut / uprooted and when tree failing required, permission will be obtained from the competent authority as recommended by SEAC.
12. For dust suppression, over head sprinkler shall be provided while on transport road; tankers shall be provided for dust suppression.
13. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
14. PP shall ensure the proper water supply arrangements for plantation especially in summer season.
15. 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.
16. PP must ensure the implementation of following activities with separate budget provision of total Rs. 20,00,000/- @ Rs. 4.0 lakhs as capital in first year and Rs. 3.5 lakhs per year as recurring under CER:

S. No.	Activities	1 st year (Rs. In lakh)	2 nd year (Rs. In lakh)	3 rd year (Rs. In lakh)	4 th year (Rs. In lakh)	5 th year (Rs. In lakh)
1.	Water conservation, deepening & cleaning of pond	1.0/- (Village Chitgarh)	1.0/ (Village Karhi)	0.50/- (Patna Khurd)	1.0/ (Village Chitgarh & Karhi)	1.0 /- (Village Patna Khurd & Tikuri)
2.	Water supply during summer (Village Chitgarh & Ramari)	1.25/-	1.0/-	1.5/-	1.25/-	1.25/-
3.	Aid for cowshed construction (Village Bihar/ Chitgarh)	1.0/-	0.50/-	0	0	0
4.	Maintenance of cowshed	0	0.50/-	0.50/-	0.50/-	0.50/-
5.	Aid for Siddha Baba temple and donations in religious activities	0.50/-	0.50/-	0.25/-	0.25/-	0.25/-
6.	Aid for poor girl child for marriage of village Chitgarh	0.25/-	0	0.50/-	0.25/-	0.25/-
7.	Aid to primary school in village Chitgarh	0	0.25/-	0.25/-	0.25/-	0.25/-
8.	Health camp in village Chitgarh/ Golahata and aid for medical emergency	0	0.25/-	0.50/-	0.50/-	0.50/-

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.

17. 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

18. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
19. 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.
20. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
21. PP will also carry out fencing all around the lease area.
22. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
23. For dust suppression, regular sprinkling of water should be undertaken.
24. 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.
25. PP will obtain other necessary clearances/NOC from respective authorities.

C. Mining Operational Phase

26. Working height of the loading machines shall be compatible with bench configuration.

27. No intermediate stacking is permitted at the mine site.
28. No dump shall be stacked outside the lease area.
29. Overhead sprinklers shall be provided in mine.
30. 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.
31. 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 EMP a minimum of 44,100 trees shall be planted on barrier zone, backfilled area and along the transportation route during lease period.
32. Transportation of material shall be done in covered vehicles.
33. Transportation of minerals shall not be carried out through forest area.
34. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the DGM.
35. 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. 3 settling tank of 500 cum (25 m x 10 m x 2 m) each. Garland drain (2800 m x 2 m x 1.5 m) will be provided around mine site. One sump of 4500 cum (50 m x 30 m x 3 m) will also be constructed.
36. 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.
37. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
38. The existing and proposed land use plan of the mine is as follows:

S.No.	Particular	Existing	5th year end	10th year end	15th year end	20th year end	Conceptual Period
1	Total area excavated (broken)	0.20	5.50	14.0	22.0	30.0	(40.0)
2	Area fully mined out (out of 1)	Nil	5.0	12	20	27	(40.0)
3	Area fully reclaimed (Backfilled out of 2)	Nil	2.37	8.0	16.0	23.0	(40.0)
4	Area rehabilitated out of 3 by afforestation	Nil	1.50	6.0	14.0	20.0	40.0
5	Area reclaimed for water harvesting	Nil	Nil	Nil	Nil	Nil	Nil
6	Total area under dumps	0	0	0	0	0	0
7	Area under active dumps	Nil	Nil	Nil	Nil	Nil	Nil
8	Area under mineral stack	Nil	Nil	Nil	Nil	Nil	Nil
9	Area under Road	0.25	0.25	0.25	0.25	0.25	Nil
10	Area under Green belt	0	4.093	4.093	4.093	4.093	4.093
11	Area under infrastructure	0	0.02	0.02	0.02	0.02	0
12	Undisturbed Area	43.643	34.23	25.73	17.73	9.73	Nil

39. 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.
40. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
41. The commitments made in the public hearing are to be fulfilled by the PP.
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. In the proposed EMP, capital cost is Rs. 17.50 Lakh is proposed and Rs.13.65 Lakh /year as recurring expenses.
45. Under CER activity, Rs. 4.00 Lakh are proposed as capital and 3.50 Lakh /year recurring expenses respectively 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 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.
48. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
49. PP will comply with all the commitments made vide letter dated 25.11.2019.
50. 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.

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Endt No. / SEIAA/20

Dated: 07.01.2020

Jitendra Singh Raje
(Jitendra Singh Raje)
Member Secretary

Copy to:-

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

Sanjeev Sachdev
(Dr. Sanjeev Sachdev)
Officer-in-Charge