



State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment, Forest & Climate Change)
Environmental Planning Coordination Organization
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No: /SEIAA/2021
Date:

To,
The Partner,
M/s SHOBHA MINERALS DHAMKI
765, Napier Town, Jabalpur
MP-482001

Sub:Case No. 8679/2020 : Prior Environment Clearance for Proposed Manganese Ore beneficiation plant at Khasra no - Part of 178 Village- Dhamki, tehsil-Sihora, District-Jabalpur (MP) Total Area: 3.60 ha Production Capacity : 80000 Ton per Year Mn Ore Concentrate Final Product by Partner, M/s SHOBHA MINERALS DHAMKI 765, Napier Town, Jabalpur MP-482001 Email: shobhaminerals d@gmail.com Mob:- 09425150894 Env. Consul. M/s. Creative Enviro Services, Bhopal (MP)., **Prescribing of TOR.**

Ref: - Online Proposal No. SIA/MP/IND2/65062/2021 received in SEIAA office on 17.09.2021

This is in reference to the proposal submitted in the SEIAA office to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report and all supporting documents as per EIA Notification & its amendments..

1. This is case of Prior Environment Clearance for Dhamki Manganese Ore Beneficiation Plant at Village - Dhamki, Tehsil - Sihora, Dist. Jabalpur (MP). This is an ore beneficiation project comprising beneficiation of Manganese Ore (Pyrolusite).
2. Existing mining project having lease area 3.60 ha with excavation capacity of 80,000 TPA for Manganese, Iron and Laterite ore was accorded environment clearance vide number 875/SEIAA/2017 dated 24.06.2017.
3. Considering the low grade of Manganese ore, it is proposed to set up beneficiation plant through physical method in the lease area for which environment clearance is required. Total lease area in possession is 3.60 ha of Khasara No. part of 178 out of that the proposed the beneficiation plant will cover 896 sq. mt. of area.
4. Green belt have been developed with 100 number of trees within the premises. For tailing disposal, 30000 sq ft land will be required which is already available within the lease area.
5. The aforesaid mining lease in operation and sub-grade mineral have been generated which are kept in the form of dumps having grade of Mn-28 %+ from . The Projects proponent have 02 no of mines in 10 km radius namely Keolari and Dhamki etc. The generated tailing will be used for backfilling of subject mines and other mines also if excess quantity will be available. PP further submitted that earlier EC was issued in the year 2017 for mining of

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Mn ore now in the west side of the lease PP is proposing Mn Ore Beneficiation Plant with following details:

S. No.	Particulars	Details
1	Project	To Obtain TOR for MN Ore Beneficiation Plant with proposed capacity of 80,000 Ton per Year
2	Khasra number	Part of 178
2	Total Power requirement for process	4.4 KVA from MPSEB (18.3 Kwh power per ton of production)
3	Total Land available	3.60Ha
6	Water Requirement	Process water requirement : 110 M3/hr Water consumption/loss in the process : 10.0 M3/hr Recycled water : 100 M3/hr The overall consumption is 0.05 m3/ tone. Therefore, water requirement for the whole plant is 10 M3/hr
7	Tailing generation	8184 TPA on dry basis
8	Source of Raw water	From mining pit of captive mine
9	Cost of project	Rs 1.50 Crores
10	Capital Cost of Pollution Control Equipments	Rs 30.0 Lacs (Bag Filter, Dry Fog, Sprinkler- To be finalized during EIA study
11	Recurring cost for environmental management etc (Proposed)	Estimate will be given in EIA report, which will include O&M cost of EQMS, post environmental monitoring cost, plantation cost etc.
12	Number of employment generation	25 persons for Operation phase
13	Fund for CER activities	As per the out come of public hearing

After presentation, SEAC committee decided to recommend standard TOR prescribed by MoEF&CC with additional TOR. After the recommendation of SEAC the case was considered in 691st SEIAA meeting dtd. 23.11.21 and decided to approve the ToR as recommended by SEAC in 518th meeting held on 08.10.21 and standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions:-

1. Copy of earlier EC issued for Mn mining & compliance status of EC conditions from competent authority shall be submitted with the EIA report.
2. Copy of last six monthly compliance reports submitted to the authority.
3. Ground-water study w.r.t to heavy metals concentration including Manganese to be furnished.
4. Water balance with source of water to be furnished along with the consent/ permission for supply of requisite quantum of water from the competent authority.
5. Complete ore analyses to be furnished.
6. Comprehensive protection plan for nearby habitations and canal shall be discussed in the EIA report.
7. Proposal for 'Zero Liquid Discharge' shall be discussed in the EIA report.
8. Environmentally sustainable disposal of the Tailing residue to be addressed in the EIA report.
9. Mass balance for the solid waste (tailings residue) for entire plant to be presented in the EIA Report.

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10. Data related to any Neurological disorder in and around the study area shall be collected and discussed in the EIA report.
11. Expenditure made for EMP & CSR during last three years (for Mn mining) is to be submitted by the PP along with the details of PPEs provided to workers.
12. Health survey report of the workers is to be submitted by the PP.
13. Inventory with photographs of all the trees planted by the PP within the lease area and distributed in nearby villagers with credible proof shall be provided with EIA report.
14. Complete details of the Tailing Pond including the lining, dimensions, capacity and proposed locations of peizometers etc. with pollution control devises proposed in crusher and other similar units shall be detailed out in the EIA report.
15. Appropriate Garland drains to be provided around all the heaps in the premises along with the settling / collection tank connected to the garland drains- complete plan to be furnished in the report.
16. Lechate study should also be carried out on suitable locations.
17. Detailed plant layout on A3 sheet with mass balance shall be submitted with EIA report.
18. Approx. 100 KL/day water will be required, where from this volume of water will be sourced and its management plan.

The authority approve the ToR as recommended by SEAC and decided to issue additional TOR by incorporating following conditions for preparation of EIA report:

- a) Details of the technology and process involved for beneficiation should be given. .
- b) Location of the proposed Plant w.r.t. the source of raw material mode of transportations of the ore from mines to the beneficiation plant should be justified.
- c) Global warming potential of the industry should be studied in detail. Carbon foot print of the industrial activites should be discussed in detail in EIA.

General Conditions

1. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
2. An inventory of flora & fauna based on actual ground survey shall be presented.
3. Risk factors with their management plan should be discussed in the EIA report.
4. The EIA report should be prepared by the accredited consultant having no conflict of interest.
5. The EIA document shall be printed on both sides, as far as possible.
6. All documents should be properly indexed, page numbered.
7. Period/date of data collection should be clearly indicated.
8. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
9. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
10. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
11. Grant of TOR does not mean grant of EC.

12. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
13. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
14. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
15. All the necessary NOC's duly verified by the competent authority should be annexed.
16. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
17. The EIA report should clearly mention activity wise EMP and CSR cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CSR cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
18. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
19. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.
20. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
21. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
22. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

Documents to be submitted:

Environmental Consultant / PP

- i. A certificate from the Consultant shall be submitted that they have been accredited by MoEF (GoI), as per their OM.
- ii. The Project Proponent shall submit an undertaking as part of EIA report regarding data authenticity and owning the contents of EIA report as per OM dated 05/10/2011.
- iii. Final EIA report including public hearing and EMP various aspects should be submitted to the SEIAA.
- iv. All information with supporting documents as prescribed by SEIAA in the O.M. No. 966 dated 27/01/2012 has to be furnished with the EIA report. Failing this the EIA report shall be returned to the PP.
- v. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the project should be provided.
- vi. PP should provide latest notarized copy of Khasra Panchsala (P-II) indicating ownership. If the ownership is different than a notarized copy of the agreement should

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be submitted. Besides, notarized copy of the lease agreement should also be submitted clearly indicating sanction period & ownership.

- vii. Notarized copy of the approved mining plan.
- viii. Location of National Parks, Sanctuaries, biosphere Reserves, Wildlife corridors, Tiger reserves (existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated. A location map duly authenticated by Chief Wild life Warden and recommendation/ comments of Chief Wildlife Warden of concerned district should also be provided in this regard.
- ix. A letter from District Collector Office / Executive Engineer PWD indicating distance of mine area from inter-state boundary and critically polluted/ sensitive areas notified by CPCB/MoEF.
- x. DFO letter indicating the distances of nearest forest boundary from the boundary of the proposed site.
- * In case the distance of nearest forest boundary is up to 250 meters or less, then NOC as per orders issued by forest department from time to time is required.
- xi. NOC from Gram Sabha if located in scheduled notified area.
- xii. Other mandatory permissions and clearances from various authorities.
- xiii. All TOR prescribed in the standard TOR published by MoEF&CC shall be applicable.

Other points to be addressed in the EIA/EMP report:

- Recent land use features in the region.
- Map Depictions: Coloured maps depicting land-use of the region showing sensitive / fragile features and detailed lay-out of the site clearly showing green-belt (existing & planned).
- Location is also to be shown in Tehsil map procured from revenue department, showing exact distances of highway, railway & habitat from the site.
- Details of land to be provided in following format:

S.No.	Tehsil	Village	Khasra No.	Area	Ownership	Land use

- Arrangements proposed / made to protect the water bodies from the mine-drainages have to be dealt in detail in the EIA/EMP.
- Compliance of the conditions laid in the consent / EC should be supported with photograph of the site clearly showing status of garland drains, OB management and other executions including plantation etc.
- Summary of EIA / EMP has to be provided separately along with the EMP detailing impacts, impact zone and mitigations has to be furnished in the following format:

AIR Environment

SN	Expected Impact	Impact zones	Management Plan

WATER Environment

SN	Expected Impact	Impact zones	Management Plan

LAND Environment

SN	Expected Impact	Impact zones	Management Plan

NOISE Environment

SN	Expected Impact	Impact zones	Management Plan

Details of Public Hearing Proceedings


SN	Issues raised (details thereby)	Response of Proponent	Comments

- At least one AAQM station has to be placed each towards forests and habitat (if any).
- Effective green area has to be developed keeping in view the presence of all sensitive features in the vicinity.
- To-the-scale map showing locations of all the mines in 2 Km radius around the site have to be furnished.
- Approved mining plan to be submitted with EIA.
- Source of water for the project with permission / commitment from the competent authority to be submitted.
- Water consumption in the project has to be evaluated including all the usages.
- Impact of transport of Ore on the surrounding environment up to the end user should be assessed and addressed in the EIA/EMP.



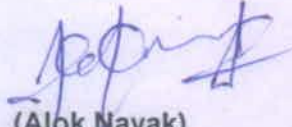
Validity –

1. The TORs prescribed for the project will be valid for a period of four years for submission of EIA and EMP report accordingly, the TORs will lapse after 22/11/2024.


(Shriman Shukla)
Member Secretary

Copy to:-

1. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
2. Member Secretary, Madhya Pradesh Pollution Control Board, E-5 Paryavaran Parisar, Arera Colony Bhopal (M.P.) -462016.
3. The Collector, Distt- Jabalpur - M.P.
4. Managing Director, MPAKVN, Ground Floor Compound Udyog Bhavan, Katanga NR. T.V. Tower Jabalpur MP 482002
5. Regional Officer, Regional Office (WZ), Ministry of Environment & Forests, Kendriya Paryavaran Bhawan, Link Road No.-3, E-5, Arera Colony, Bhopal (M.P.) - 462016.
6. Guard File.


(Alok Nayak)
Officer-In-Charge