



**State Environment Impact Assessment Authority, M.P.**  
(Ministry of Environment, Forest & Climate Change, Government of India)  
Environmental Planning & Coordination Organization

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No: 2869 / SEIAA/22

Date: 17/11/22

To,

**M. P. State Mining Corporation Ltd,**  
Sr. General Manager, (Mining)  
Paryavas Bhawan, Block No. 1, 2nd floor, (A),  
Jail Road, Arera Hills Bhopal (MP)

**Sub:- Case No 8794/2021:** Prior Environment Clearance for Rock Phosphate mine in area of 37.70 ha. , Expansion in Production 1,50,000 TPA to 5,16,026 TPA at Khasra No. 21, 23 , Village Kachaldara, Tehsil - Meghnagar, Dist- Jhabua . (MP) by Sr. GM Mining , M. P. State Mining Corporation Ltd, Paryavas Bhawan, Block No. 1, 2nd floor, (A), Jail Road, Arera Hills Bhopal (MP) – Prescribing of TOR

**Ref.:-**698<sup>th</sup> SEIAA meeting dtd. 28.12.2021 and 530<sup>th</sup> SEAC meeting dtd. 25.11.2021.

This is case of Rock Phosphate mine The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at at Khasra No. 21, 23 , Village Kachaldara, Tehsil - Meghnagar, Dist- Jhabua (MP) area of 37.70 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant behalf of PP. being it's a case capacity Expansion of Rock Phosphate mine from 1,50,000 TPA to 5,16,026 TPA with total area of 37.701 ha. and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by MoEF & CC for conducting the EIA along with following additional TOR's and general conditions :

1. PP shall plan to construct pakka approach road in place of Kaccha Road and also planning for alternate route for transportation of material outside the village area.
2. PP shall plan plantation along the approach road & periphery on the lease area shall be carried out in consultation with forest department and actual site photographs with all details be made part of EIA report.
3. PP shall plan to minimize the ecological damage of the eco system due to mining of hillocks and proper mitigative measures of adverse impacts on the surrounding area (if any).
4. Powder/dust factor related to manual mining must be worked out and displayed in the documents. This will ensure the estimation of suspended particulate matter (SPM) generated and will help in understanding the hazardous effect on mine workers, to evaluate the potential of occupational diseases.
5. Global warming potential and carbon foot print of the industrial activities should be studied and discussed in details during EIA study.
6. Being expansion, MoEF&CC compliance report shall be submitted with EIA report.
7. Analysis of rare earth elements shall also be carried –out and should be discussed in the EIA report.

8. Level of mechanization should be discussed in the EIA report.
9. Hydro-geological study should be carried out if ground water intersection is proposed.
10. If re-handling of dumps is involved their complete details, methodology and protection plan shall be discussed in the EIA report.
11. Mineral evacuation route avoiding human settlement shall be proposed.
12. Detailed evacuation plan with transport route, required infrastructure and manpower is to be discussed in the EIA report.
13. Comprehensive plantation scheme with proposal for broad leaves plantation.

**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 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 KhasraPanchsala (P-II) indicating ownership. If the ownership is different than a notarized copy of the agreement should 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 and all other sensitive area from the site.
- Details of land to be provided in following format:

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

- Compliance of the conditions laid in the consent / EC should be supported with photograph of the site clearly showing plantation etc (if any).
- 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

- To-the-scale map showing locations of all the mines in 500m radius around the site have to be furnished.
- 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.

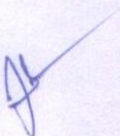
#### **General Conditions**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video

showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.

3. 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.
4. Inventory of all sensitive receptors in 2 Km & 5 Km around the mine.
5. Cumulative impact of air, noise & traffic shall be incorporated in final EIA Report.
6. An inventory of flora & fauna based on actual ground survey shall be presented.
7. Risk factors with their management plan should be discussed in the EIA report.
8. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
9. The EIA document shall be printed on both sides, as far as possible.
10. All documents should be properly indexed, page numbered.
11. Period/date of data collection should be clearly indicated.
12. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
13. 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.
14. 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.
15. Grant of TOR does not mean grant of EC.
16. 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. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
17. 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.
18. 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.
19. All the necessary NOC's duly verified by the competent authority should be annexed.
20. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
21. The EIA report should clearly mention activity wise EMP and CER 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 CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
22. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
23. 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.
24. 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.
25. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

26. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
27. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analysed.
28. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
29. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
30. The project proponent shall provide the mitigation measures as per MoEFCCs 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" with EIA report.
31. LPG gas shall be provided for camping labour under "UjjwalaYojna .
32. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
33. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
34. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
35. **Under CER scheme commitments with physical targets shall be included in EIA report for:**
  - Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "UjjwalaYojna" to them who are residing in the nearby villages, shall be considered.
  - PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
36. **Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :**

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- Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
  - Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned/Gram Panchayat/ Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
  - Commitment that high density plantation (preferably using "Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation by CCF, Social Forestry Circle, Gwalior or any other competent agencies
  - Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
  - In the proposal for plantation, entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and. Sowing of seeds (such as Neem, Castor, Babool, Prosopis, Chirol / locally available species etc) along the lease boundary fencing (trench size shall be 45cm depth x45 cm width) shall be carried out and excavated soil shall be placed between trench and fencing. Sowing of seeds shall be on the excavated soil.
  - PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
  - Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**


37. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
38. Detailed analysis of availability and quality of the drinking water resources available in the block.
39. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
40. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.

**Validity:–**

- ❖ The TORs prescribed for the project will be valid for a period of Three years for submission of EIA and EMP report accordingly, the TORs will lapse after 27.12.2024

- ❖ This period of validity could be extended by the Regulatory Authority concerned by a maximum period of one year provided an application is made by the applicant to the Regulatory Authority before the expiry of validity period, together with updated Form-I based on proper justification and also recommendation SEIAA/SEAC

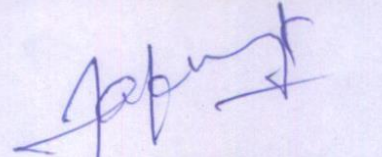
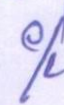


 (Shriman Shukla)  
Member Secretary

Endt No. 2870 / SEIAA/21  
Copy to:-

Dated: 17/11/22

1. Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, ParyavaranParisar, E-5, Arera Colony, Bhopal-4620 16.
2. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5 ParyavaranParisar, Arera Colony, Bhopal (M.P.) -462016.
3. The Principal Chief Conservator of Forest, Ground floor SatpudaBhawan, Bhopal (M.P)
4. Director (S), Regional office of the MOEF, Western Region, Kendriya Paryavaran Bhawan, Link Road No. 3 Ravi Shankar Nagar, Bhopal-462016.
5. Guard File

  
 (Alok Nayak)  
Officer-in-Charge