



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: 2209 / SEIAA/21

Date: 4/10/21

To,

Shri Nitin Sharma,

765, Napier Town, Anand Cinema Road,

Dist. Jabalpur, (MP)

Sub:- Case No 8557/2021: Prior Environment Clearance for Quartz Deposit in an area of 6.605 ha. for production capacity of 81741 Tonne per annum at Khasra No. 4 - Part, 94 - Part, 95 - Part), Village - Umaria, Tehsil - Dheemarkheda, Dist. Katni (MP) by Shri Nitin Sharma, 765, Napier Town, Anand Cinema Road, Dist. Jabalpur, (MP) - **Prescribing of TOR**

Ref.:- 685th SEIAA meeting dtd. 14.09.2021 and 511th SEAC meeting dtd. 26.08.2021.

This is case of Quartz Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at at Khasra No 4 - Part, 94 - Part, 95 - Part), Village - Umaria, Tehsil - Dheemarkheda, Dist. Katni (MP) area of 6.605 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by the PP for issuing of TOR to carryout EIA studies with site specific details. It was observed by Committee that as per Tehsildar letter No.1440 dated 07/11/20 no more mines operating or proposed within 500 meters around the said mine. Being it's a Quartz mine with total area of 6.605 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 5.00 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 the MoEF&CC may be issued for conducting the EIA with following additional TORs 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 ensure that proposed mine shall be part of the district survey report (DSR) duly certified by mining officer before submission of EIA report.
3. 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.
4. PP shall plan for removal of zero size Gitti/dust which accumulates in huge quantity within lease area, will be incorporated in EIA report.
5. PP shall plan for proper periodical maintenance of machineries involved in stone crusher unit.
6. PP shall plan to minimize the ecological damage of the eco system due to mining and proper mitigative measures of adverse impacts on the surrounding area (if any).

7. PP shall ensure to the blasting procedure followed using delayed detonators to reduce the vibration impact of L waves. Both 34 mm & 83 mm bore blast should strictly follow these procedures
8. PP shall ensure to comply the minimum distance criteria considered for permitting stone Quarry by Central Pollution Control Board/ PCB (in compliance to the NGT Principle Bench OA No. 304/2019).
9. All the mining/quarry leases should adopt three tier plantation in elevating disposition in the statutory safety barrier.
10. Stacking of mined material should be not be allowed for more than one week and not allowed outside the lease area.
11. The certification/ study of rocks like limestone/sandstone/granite/stone etc. must be done (to be attached with the proposal) in order to decipher their being unfit for other industries like chemical, cement and flooring etc. thus may be used for making grit.
12. 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.
13. Permission from competent dam authority w.r.t. to mining in close vicinity of dam shall be obtained and annexed with EIA report.
14. PPV study w.r.t. to dam, shall be conducted and protection plan shall be discussed in EIA report based on the outcome of PPV study.
15. Inventory of existing trees & bushes up to species level shall be conducted and reported in EIA report.
16. If any tree is proposed same shall be discussed and addressed in the EIA report.
17. Considering green area in and around the proposed lease cattle population grazing over that area in a radius of 02.00 km shall also be studied and reported in EIA.
18. A suitable government agency to execute proposed plantation scheme shall be finalized and detailed plan be submitted with EIA report along with a commitment that plant species will be procured from govt. nursery/ horticulture department
19. The project proponent shall discuss the mitigation measures provided in MoEF & CC 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", and shall be discussed in the EIA report.
20. **Under CER scheme with physical targets:**
 - Proposal for CER activates should preferably be based upon Gram Panchayat Annual Action Plan and commitment made during public hearing (if public hearing is conducted)
 - 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 "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
 - PP's commitment that activities proposed in the CER and plantation 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

21. Under Plantation Scheme with budgetary allocations:

- 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 /Gram Panchayat / Forest Department / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- 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 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 or any other competent agencies.
- Commitment that local palatable perennial grass species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose or through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- Proposal for plantation in adjoining forest land through concerned DFO

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 Khasra Panchsala (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. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. 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.
12. 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.
13. Grant of TOR does not mean grant of EC.
14. 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.
15. 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.

16. 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.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. 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.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. 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.
22. 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.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.

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.

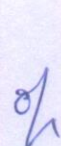
29. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
30. Detailed analysis of availability and quality of the drinking water resources available in the block.
31. A study by CPCB of the methodology of disposal of industrial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

Validity:-

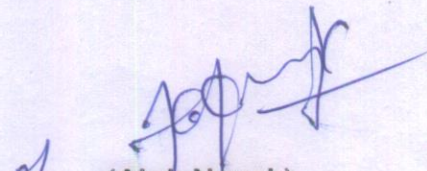
- ❖ The TORs prescribed for the project will be valid for a period of Three years for submission of EIA and EMP report accordingly, the TORs will lapse after 13.09.2024.
- ❖ This period of validity could be extended by the Regulatory Authority concerned by a maximum period of one year provided an application 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

Endt No. 2210 / SEIAA/21
Copy to:-

Dated: 4/10/21


(Shriman Shukla)
Member Secretary

1. Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16.
2. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5 Paryavaran Parisar, Arera Colony, Bhopal (M.P.) - 462016.
3. The Principal Chief Conservator of Forest, Ground floor Satpuda Bhawan, 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