



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Madhya Pradesh)

To,

The Lessee
VIRENDRA SINGH THAKUR.
Village Bamora Tehsil Sagar District Sagar M P -470001

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/MP/MIN/222809/2021 dated 24 Sep 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|------------------------------|
| 1. EC Identification No. | EC21B001MP188024 |
| 2. File No. | 8728/2021 |
| 3. Project Type | New |
| 4. Category | B2 |
| 5. Project/Activity including Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | RANGOLI CRUSHER STONE QUARRY |
| 7. Name of Company/Organization | VIRENDRA SINGH THAKUR. |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 19/12/2021

(e-signed)
Shriman Shukla
Member Secretary
SEIAA - (Madhya Pradesh)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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PARIVESH

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Ref: Proposal No. - SIA/MP/MIN/222809/2021- Case No 8728/2021: Prior Environment Clearance for **Stone Quarry (Open Cast Semi –Mechanized Method)** in an area of 1.10 ha. for production capacity of 5129 cum per annum at Khasra No.477/2, 477/3 at Village - Rangoli, Tehsil - Sagar, Dist. Sagar (MP) by Shri Virendra Singh Thakur S/o Shri Mahendra Singh Thakur, Village - Bamora, Tehsil - Sagar, Dist. Sagar (MP).

This has reference to your letter received in SEIAA office on 30.09.2021 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 & II, Appendix-1, DSR, Mining Plan & EMP, 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. There is no National Park/Sanctuary/Biodiversity area within 10 Km radius. There is no human settlement/water body within 500m. from mining site. There is no forest boundary within 250 m. from mine site. It lies at geographical co-ordinates at latitude 23°49'46.86" to 23°49'52.0"N and longitude 78°58'59.39" to 78°59'01.0" E as per mining plan.

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.

III. 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 694th SEIAA meeting dated 26.11.2021 and decided to accept the recommendations of 523rd SEAC meeting dated 28.10.2021.

Hence, **Prior Environmental Clearance is granted for Stone Quarry (Open Cast Semi – Mechanized Method) in an area of 1.10 ha. for production capacity of 5129 cum per annum at Khasra No.477/2, 477/3 at Village - Rangoli, Tehsil - Sagar, Dist. Sagar (MP) to Shri Virendra Singh Thakur S/o Shri Mahendra Singh Thakur, Village - Bamora, Tehsil - Sagar, Dist. Sagar, (MP). As per Directorate, Geology & Mining, District Bhopal vide letter No 15331 dated 21.12.2020 the validity of lease is 10 years, hence this EC is valid upto 20.12.2030, subject to the following additional specific conditions as recommended by SEIAA & SEAC and subsequent Standard Conditions.**

A. Additional Specific Conditions

1. Before commencing mining activity fencing shall be carried out all around the lease area. Proper watch and ward arrangements should be made with installation of cautionary signage at 4 corners of lease area to avoid any untoward incident involving public and animals.

2. PP shall use blasting procedure following using delayed detonators to reduce the vibration impact of L waves. Both 34 mm and 83 mm bore blast should strictly follow these procedures.
3. The certification/ study of rock 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.
4. Before commencing the mining activity, site demarcation should be done leaving 50 m from the kuchha Road as a "no mining zone" in compliance of the distance criteria for permitting stone quarrying by CPCB and directions issued by Hon'ble NGT in OA No. 304/2019 (distance criteria for Non blasting is 100 m and for blasting is 200m distance). The demarcation should be done by the Revenue Officials in the presence of the Mining Officer.
5. PP shall ensure to construct pakka approach road in place of Kaccha Road and also planning for alternate route for transportation of material outside the village area.
6. PP shall ensure proper planning for maintenance of machineries involved in stone crusher unit.
7. PP shall demarcate a barrier zone of 7.5 m as no mining zone in the periphery of mining lease area and develop a green belt. Three rows plantation shall be carried out in the greenbelt area in the current year with proper watering arrangement.
8. The mining operation shall be restricted to above ground water table. In case of working below the ground water table, approval of the Central Ground Water Board shall be obtained.
9. PP shall ensure installation of cautionary signages on transportation routes for avoidance of accidents.
10. Proper landscape planning of the lease area should be done along with its sincere implementation.
11. PP shall ensure to get the details incorporated as per sanctioned lease/EC in the DSR approved by the Directorate of Geology & Mining, Govt. of MP, failing which this EC shall be revoked.
12. PP shall plant 2400 saplings of at least three years old, for the first 03- years with suitable tree species like Shisham, Neem, Pipal, Bargad, Amla, Aam, Kathal, Katang Munga, Imli, Bel, Giloy, Brahmi, Sargandha, Ashwagandha, Harjod, Neebu, Kadam etc. along the barrier zone, non mining area & shall be maintain as buffer zone, approach road, govt. primary school, gram panchayat parisar, Pond, Canal under "Ankur scheme" of Govt. of M.P. in consultation with appropriate authority. Indigenous medicinal plants shall also be preferred for plantation in consultation with forest officials.
13. PP shall ensure to construct garland drains with settling tanks all around the lease area and regular cleaning & maintenance of the same shall be carried out by PP.
14. The overburden and waste will be stacked within the ML area and simultaneously backfilled in the mined out area where plantation will be raised on it.
15. PP shall ensure that waste material shall not be stacked for a long time in the ML area. No overburden will be dumped outside the mine lease area.
16. PP shall ensure that existing trees not to be uprooted within the ML area.
17. PP shall ensure proper water supply arrangements for dust suppression, regular sprinkling, plantation and drinking purposes etc. especially in summer season.

18. PP shall ensure the generation of employment opportunities for nearby villagers on priority basis.
19. PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing pakka road as per approved Environmental Management Plan. Additional budget provision shall be made as part of EMP.
20. PP must ensure the implementation of following activities with separate budget provisions under CER:
 - ❖ Fodder development completed in first year.
 - ❖ Up-gradation in govt. school building at village Rangoli.
 - ❖ Distribution of Solar lantern and dustbin to nearby villagers.

Also, PP shall ensure contribution of funds under Jal Jeevan Mission in consultation with Janpad Panchayat and PHED. PP shall give preference to develop/provide appropriate infrastructural facilities in schools or anganwadis of above village. 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.

21. PP shall submit half yearly compliance report in respect of plantation and CER activity report alongwith photographs of all activities to 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 SEIAA Office Memorandum No. 930/SEIAA/2019 dated 30.05.2019.
22. In case the ownership is changed, both PPs (earlier and new) should immediately apply for transfer of EC in SEIAA. Without transfer of EC, the EC stands in abeyance till the transfer of EC to the new owner is approved by SEIAA.
23. All fencing & plantation works within the lease area and also all works to be carried under CER activities by should be handover to the Gram Panchayat for further maintenance in consultation with district administration. PP shall also ensure to record all the information in Patwari register.
24. A budgetary provision for Environmental management Plan of Rs 12.86 Lakh as capital and Rs. 3.97 Lakh/year as recurring has proposed by PP.
25. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
26. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
27. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
28. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
29. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.

30. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
31. Working height of the loading machines shall be compatible with bench configuration.
32. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
33. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
34. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
35. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
36. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. 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.
37. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
38. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
39. 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.
40. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
41. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
42. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
43. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
44. Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
45. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.

46. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
47. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
48. The mining lease holders shall after ceasing mining operation, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora , fauna etc. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
49. The project proponent shall follow the mitigation measures provided in MoEF&CCs 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".
50. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
51. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
52. A display board with following details of the project is mandatory at the entry to the mine.
- Lease owner's Name, Contact details etc.
 - Mining Lease area of the project (in ha.)
 - Production capacity of the project.
53. Dense plantation/wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable 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.
54. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
55. 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.

56. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
57. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

B. Standard Conditions


1. Valid postal address of the PP with e-mail details.
2. GPS coordinate of the mine lease area be reflected in the EC for the ease of monitoring.
3. Controlled blasting techniques, as and when required, shall be carried out in the day time only.
4. 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.
5. 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.
6. 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.
7. Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior to mining operations for all proposals under consideration.
8. 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.
9. Parking of vehicles should not be made on public places.
10. 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.
11. Measures for prevention and control of soil erosion and management of silt shall be undertaken.
12. Trenches / garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies.
13. The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.
14. 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.
15. 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.

16. 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.
17. Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.
18. 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.
19. Dispensary facilities for first-aid shall be provided at site.
20. 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
21. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
22. 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.
23. 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.


19/12/21
(Shriman Shukla)
Member Secretary

Copy to:-

1. Principal Secretary, Government of MP, Department of Environment, Mantralaya, Bhopal.
2. Member 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 Sagar (M. P.)
5. Divisional Forest Officer, District Sagar (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 Sagar (M. P.).
10. Guard file.


(Alok Nayak)
Officer-in-Charge