State Environment Impact Assessment Authority, M.P.

(Ministry of Environment, Forest and Climate Change, Government of India)

Environmental Planning & Coordination Organization

Paryavaran Parisar, E-5, Arera Colony
Bhopal - 462016
visit us http://www.mpseiaa.nic.in
Email : mpseiaa@gmail.com
Tel.: 0755 - 2466970, 2466859
Fax : 0755 - 2462136

No.: 3700 /SEIAA/ 20
Date: 16.10.20

To,
Shri Jyoti Kumar Shukla,
Near Adarsh Girls Higher Secondary School,
Choubey Colony, Dist. Chhatarpur, MP

Sub: - Case No. – 6587/2019 Prior Environmental Clearance for Stone Quarry (Opencast mechanized mining) in an area of 10.00 ha. for production capacity of 6,00,424 TPA at Khasra No. 262 at Village - Gumanpur, Tehsil - Chandla, Dist. Chhatarpur (MP) by Shri Jyoti Kumar Shukla, Near Adarsh Girls Higher Secondary School, Choubey Colony, Dist. Chhatarpur, MP.

This has reference to your letter received in SEIAA office on 15.10.2019 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.

It has been noted that the proposal is for **Stone Quarry** in an area of 10.00 ha. The mining lease area is located in Khasra No. 262 at Village - Gumanpur, Tehsil - Chandla, Dist. Chhatarpur (M.P.). There is no National Park/Sanctuary within 10 Km radius. There is no forest boundary within 250 m..

The proposed project is for production capacity of 6,00,424 TPA. The mining will be carried out by opencast mechanized method. The total water requirement is 12KLD (8 KLD for Dust Suppression + 2 KLD for Domestic + 2 KLD for Green Belt) which shall be met from Sump, Ground water from tube well & dug wells. The public hearing was conducted at Shaskiya Prathamik Pathshala at Village- Village-Gumanpur, Tehsil-Chandla, Dist. Chhatarpur on dtd. 07.08.2020, under chairmanship of Upper Collector, Chhatarpur.

II. 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 641st meeting dtd. 03.10.2020 and decided to accept the recommendations of 459th SEAC meeting dtd. 23.09.2020.

Hence, Prior Environmental Clearance is granted for Stone Quarry (Opencast mechanized mining) in an area of 10.00 ha. for production capacity of 6,00,424 TPA at Khasra No. 262 at Village - Gumanpur, Tehsil - Chandla, Dist. Chhatarpur (MP) for the lease period to Shri

Jyoti Kumar Shukla, Near Adarsh Girls Higher Secondary School, Choubey Colony, Dist. Chhatarpur, MP, 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. PP shall not start mining activity before execution of lease agreement.
3. The depth of the pit shall be as per the Approved Mining Plan.
4. The entire area shall be fenced and three rows of plantation should be done on the periphery of the boundary.
5. PP shall ensure that the proper water supply arrangements for dust suppression, regular sprinkling, plantation and drinking purposes especially in summer season.
6. PP shall leave 200 m set back from nearest habitation as no mining zone and raise thick plantation on lease boundary towards habitation.
7. PP shall ensure to construct garland drain with settling tank all around the lease area and regular cleaning & maintenance shall also be carried out by PP
8. PP shall ensure to construct and maintained the approach road. Plantation will be carried out on both side of approach road.
9. PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing road & as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
10. Total 15675 saplings of suitable tree species i.e. Neem, Pipal, Bargad, Mango, Amla, Amaltas, Drumstick etc. shall be planted by PP. in first three years under plantation programme. PP shall also explore and identify the chunk of land in the area from revenue record to carry out plantation programme as proposed
11. PP must ensure implementation of the following activities with separate budget provision of Rs 3 lakh /year under CER.
    - Charnoi land development programme
    - Public place maintenance for gathering
    - Construction of extra room at Gumanpur village primary school
    - Mask and Sanitizer
    - Fund allocation under Jal Jeevan Mission- MP.

    PP shall ensure to contruct toilet with proper plumbing in the school of above village and contribute on behalf of village in Jal Jeewan Mission in consultation with Janpad Panchayat and PHED. PP shall give preference to develop/provide infrastructural facilities in schools or aganwadies of above villages 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.
12. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation 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,GoI,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.

(A) PRE-MINING PHASE

13. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
14. 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.
15. Authorization (if required) under Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 should be obtained by the PP if required.
16. PP will also carry out fencing all around the lease area.
17. For dust suppression, regular sprinkling of water should be undertaken.

18. Haul road shall be compacted on regular interval and transport road will be made pucca and shall be constructed prior to operation of mine.
19. PP will obtain other necessary clearances/NOC from respective authorities.

(B) MINING OPERATIONAL PHASE

20. Working height of the loading machines shall be compatible with bench configuration.
21. No intermediate stacking is permitted at the mine site.
22. No dump shall be stacked outside the lease area.
23. Water sprinklers shall be provided in mine.
24. 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.
25. 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 12675 trees shall be planted on barrier zone, buffer zone and along the transportation route during lease period.
26. Transportation of material shall be done in covered vehicles.
27. Transportation of minerals shall not be carried out through forest area.
28. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the DGM.
29. 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. 2 settling tank of 500 cum each respectively will be constructed towards the sloping side of QL area. Garland drain 4140 cum (1380m X 2m X 1.5m) will be provided around mine site. Sump of 3000 cum will also be constructed respectively.
30. 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.
31. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
32. The existing and proposed land use plan of the mine is as follows:

Sr.No.	Heads	At present (Hect.)	At the end of 5 years (Hect.)	Conceptual period
1.	Pits (broken area)	Nil	6.30	(9.0)
2.	Dumps/Stack	Nil	0.50	Nil
3.	Road	Nil	0.05	Nil
4.	Workshop	Nil	0	Nil
5.	Processing plant	Nil	0	Nil
6.	Tailing pond/dam	Nil	0	Nil
7.	Township	Nil	0	Nil
8.	Infrastructure (Site services)	Nil	0.01	Nil
9.	Green Belt	Nil	1.0	1.0
10.	Water reservoir	Nil	Nil	9.0
TOTAL		Nil	7.86	10.0

33. 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.
34. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
35. The commitments made in the public hearing are to be fulfilled by the PP.
36. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
37. PPE's such as helmet, mask and ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

38. In the proposed EMP, capital cost is Rs. 12.80 Lakh is proposed and Rs. 7.40 Lakh /year as recurring expenses.
39. Under CER activity, Rs. 3.0 Lakh are proposed expenses respectively in different activities and should be implemented through respective committees.
40. 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.
41. 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.
42. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
43. PP will comply with all the commitments made vide letter dated 23.09.2020.
44. 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.

B. Standard Conditions

1. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
2. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
3. Blast vibrations study shall be conducted and submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB within six months. The study shall also provide measures for prevention of blasting associated impact on nearby houses and agricultural fields.
4. Controlled blasting techniques with sequential drilling shall be adopted. The blasting shall be carried out in the day time only.
5. Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.
6. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB within 5 years in advance of final mine closure for approval.
7. No change in the calendar plan including excavation, quantum of mineral and waste shall be made.
8. 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.
9. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
10. The transportation of the minerals extracted from the mining area shall be limited to day hours time only.
11. Maintenance of near by local roads through which transportation of minerals are undertaken shall be carried out by the company regularly at its own expenses. The roads shall be black topped.
12. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
13. Trenches / garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal/ perennial Nallahs, if any, flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.
14. The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.
15. 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. Top soil shall be separately stacked for utilization later for reclamation and shall not be stacked along with over burden.
16. Over burden (OB) shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of maximum

10 m and overall slope of the dump shall not exceed 35o. The OB dump shall be backfilled and shall be scientifically vegetated with suitable native species to prevent erosion & surface run off.

17. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB on six monthly basis.
18. Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Deptt. Herbs & shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB every year.
19. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. 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. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through wild life sanctuary, if any in the study area.
20. Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO2, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up-loaded and displayed on the company's website.
21. Data on ambient air quality (RPM, SPM, S02, NOx) should be regularly submitted to the Regional office, MoEF, GoI, Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
22. Ambient air quality at the boundary of the mine premises shall confirm to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.
23. Fugitive dust emissions from all the sources shall be controlled. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained. The dust emission shall be monitored regularly as per norms and records to be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB regularly.
24. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers engaged in operations of HEMM, etc., shall be provided with ear plugs / muffs and health records of the workers shall be maintained.
25. Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office, MoEF, GoI, Bhopal and MP PCB within six months and thereafter every year from the next consequent year.
26. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected shall be regularly sent to Regional Office, MoEF, GoI, Bhopal, MP PCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.
27. The waste water from the mine if any, shall be treated to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The oil and grease trap shall be installed for the effluents generated from the workshop, if any, before discharging into the natural stream. The discharged water from the tailing dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Bhopal, Central Pollution Control Board, and the State Pollution Control Board.
28. Hydro-geological study of the area shall be reviewed by the project proponent annually. In case adverse effect on ground water quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.
29. Occupational health check up for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action

wherever required. It should be made available for inspection whenever asked. Necessary funds for this also should be earmarked.

30. Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.
31. 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.
32. Commitment towards CSR have to be followed strictly.
33. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
34. The Project Proponent shall inform to the Regional Office, MoEF, GoI, Bhopal and MP PCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
35. The necessary funds as per mandate shall kept for environmental protective measures which should be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional Office, MoEF, GoI, Bhopal and MP PCB.
36. The Regional Office, MoEF, GoI, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other relevant documents should be given to Regional Office, MoEF, GoI, Bhopal and MP PCB.
37. 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 who in turn has to display the same for 30 days from the date of receipt.
38. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, GoI, Bhopal.
39. The project proponent has to strictly follow directions/guideline issued by the MoEF, GoI, CPCB and other Govt. agencies from time to time.
40. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, GoI, Bhopal, MP PCB and to the competent authority of the State Govt. within six months.
41. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1st June and 1st December of each calendar year.
42. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
43. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
44. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
45. 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.
46. 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.
47. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
48. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters,

indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

49. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.

(Tanvi Sundriyal)
Member Secretary

Endt No. 3701 / SEIAA/20 Dated: 16.10.20

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 Chhatarpur (M. P.)
5. Divisional Forest Officer, District Chhatarpur (M. P.)
6. I.A. Division, Monitoring Cell, MoEF& CC, GoI, 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 Chhatarpur (M. P.).
10. DEO, SEIAA, for update on website.
11. Guard file.

(Dr. Sanjeev Sachdev)
Officer-in-Charge