



**State Environment Impact Assessment Authority, M.P.**  
(Government of India, Ministry of Environment & Forests)

**Environmental Planning & Coordination Organization**

Paryavaran Parisar, E-5, Arera Colony  
Bhopal-4620 16

visit us <http://www.mpseiaa.nic.in>

Tel:0755-2466970, 2466859

Fax : 0755-2462136

No: 1179 / SEIAA /18

Date: 24.7.18

To,

M/s Bundelkhand Granite,  
6th km Sagar Road, Dhadari,  
P.O. & District. Chhatarpur, MP - 471001.

Sub:- **Case No.5691 /2018** - Prior Environmental Clearance for Quartz and Feldspar mine (Open cast semi mechanized method) in an area of 6.101 Ha. for production capacity of 96,250 TPA of Quartz & 4,010 TPA of Feldspar at Khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7 at Village- Pungawan, Tehsil - Bijawar, District - Chhatarpur (MP) by M/s Bundelkhand Granite, 6th km Sagar Road, Dhadari, P.O. & District. Chhatarpur, MP - 471001

- I. This has reference to your letter received in SEIAA office on 26.05.2018 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, Appendix-1 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. It has been noted that the proposal is for **Quartz and Feldspar Mine** in an area of 6.101 ha. The mining lease area is located at khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7 at Village- Pungawan, Tehsil - Bijawar, District - Chhatarpur. The nearest village Pungawan is located at the distance of 0.16 km towards S direction .There is no National Park/Sanctuary within 10 Km radius. There is no forest boundary within 250 m from mining site .
- III. The proposed project is for production capacity of of 96,250 TPA of Quartz & 4,010 TPA of Feldspar. The mining will be carried out by Open cast semi mechanized Method. The water requirement is 14 KLD. The water met from mine sump & existing bore well will be used for domestic purpose, dust suppression and green belt development .An area of 2.221 ha area shall be covered under plantation and 2220 sapling shall be planted in lease area. Additional 3900 trees will be planted by the side of approach road towards Satai & Jhamtuli- In buffer Zone) shall be covered under plantation.
- IV. 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 14<sup>th</sup> September 2006.

- V. 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 494<sup>th</sup> meeting dtd. 12.07.2018 and decided to accept the recommendations of 317<sup>th</sup> SEAC-II meeting dtd 20.06.2018.

**Hence, Prior Environmental Clearance is granted for Quartz and Feldspar mine (Open cast semi mechanized method) in an area of 6.101 Ha. for production capacity of 96,250 TPA of Quartz & 4,010 TPA of Feldspar at Khasra no. 84/5, 84/9, 84/10, 99/4, 99/5, 99/6, 99/7 at Village- Pungawan, Tehsil - Bijawar, District - Chhatarpur (MP) for the lease period to M/s Bundelkhand Granite, 6th km Sagar Road, Dhadari, P.O. & District. Chhatarpur, MP – 471001, subject to the 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. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.
3. 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 row plantation shall be carried out in the greenbelt area in current year with proper watering arrangement.
4. The mining operation shall be restricted to above ground water table and in no case it should intersect the ground water table. In case of working below the ground water table approval of the Central Ground Water Board shall be obtained.
5. PP shall ensure to construct 700 m WBM approach road and maintained the approach road & village PMGSY road in consultation with District Administration. Plantation will be carried out on both side of approach road. Plantation of Bargad, Imli species shall be preferred by PP.
6. PP will plant 3 years old 3900 trees saplings of suitable indigenous fast growing tree species (neem, amla, ashok, drumstick etc.) towards the habitation site and in barrier zone/no mining zone during first year.
7. No overburden will be dumped outside the mine lease area.
8. Regular air & water quality monitoring shall be carried out by PP before discharging it into the nearby agriculture fields from authorized laboratory in consultation with Regional Officer, MPPCB.
9. PP shall ensure generation of employment opportunities nearby Village on priority bases.
10. Payments of wages to the workers shall be done in consonance with the provisions in the labours laws.
11. Proper infrastructure with shelter, drinking water, toilet and first-aid facilities shall be provided for the laborers. A provision should be made to construct a pakka rest shelter along with toilet and drinking water facility.
12. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields

13. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
14. PP shall ensure proper implementation of plantation, dust suppression, WBM approach road construction and maintenance of PMGSY road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
15. PP must ensure implementation of the following activities with separate budget provision should be kept under CSR :
  - a) Construction a model project on drip irrigation for demonsatration to the local people.
  - b) Potable drinking water supply during summer season in village Pungawan, Salaiya & Rampur.
  - c) Construction of rooms and toilets in nearby schools.
  - d) Construction of toilets in nearby villages with the help of gram panchayat.

**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 Grampanchayat.**

16. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA.

## **B. PRE-MINING PHASE**

17. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
18. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
19. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
20. PP will also carry out fencing all around the lease area.
21. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
22. For dust suppression, regular sprinkling of water should be undertaken.
23. PP will obtain other necessary clearances/NOC from respective authorities.

## **C. MINING OPERATIONAL PHASE**

24. Controlled blasting should be carried out as per submissions made by the PP during presentation considering a village at a distance of 150 meters.
25. Fixed pipe sprinklers shall be provided on stock pile.
26. A kachha road is passing through the western side of the lease thus PP should provide alternate public road for the villagers.
27. 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). 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 landscape plan & EMP a minimum of 6120 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.

28. Transportation of material shall be done in covered vehicles.
29. Transportation of minerals shall not be carried out through forest area.
30. The OB till its utilization for backfilling shall be properly stacked as per approved mining plan and disposed off as per the submitted proposal. PP shall bound to compliance the final closure plan as approved by the IBM.
31. As proposed, garland drains of 1500mx2.0mx15m will be developed for rain water management and same shall be connected with three settling tank of for proper sedimentation and retention. The 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.

Following drain are suggested for management of mine discharge and runoff:

Sr No	Number	Location	Size
1	Garland drain GD_1	Within the barrier zone	Length - 1500m Width - 2m Depth - 1.5m

Following settling pit are suggested to control sedimentation problem:

Garland drain no.	No. of Settling pit	Size L X W X D m
GD_1	ST 1	30 m x 7.5m x 3m
	ST 2	20 m x 7.5m x 3m
	ST 3	30 m x 7.5m x 3m

32. Regular water spraying should be practiced on 350 meter long 06 meter wide transportation road for dust suppression apart from the haul road and lease area. It shall be ensured that water spraying shall be practiced at least 4 times in a day.
33. The existing and proposed land use plan of the mine is as follows:

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	0.285	4.981
2.	Dumps	Nil	Nil
3	Infrastructure & Roads	0.15	Nil
4	Mineral storage	Nil	Nil
5	Plantation Area	0.10	1.12
6	Un worked area	5.566	0

	Total	6.101	6.101
1	Reclamation	Nil	1.101
2	Plantation	Nil	2.221 ha, 2220 Number in lease area and 3900 in buffer zone
2.1	Backfilled area	Nil	1.101 ha, No of trees – 1100
2.2	Un-worked area	Nil	1.12 ha, No. of trees – 1120
2.3	Bench	Nil	Nil
3	Water body	Nil	3.88

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

#### D. ENTIRE LIFE OF THE PROJECT

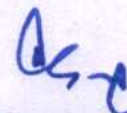
39. The proposed EMP cost is Rs. 21.25 lacks and Rs. 10.75 lacks /year are proposed as recurring expenses out of which Rs. 0.5 lacks is proposed for green belt development and Rs. 2.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
40. Under CSR activity, Rs. 5.00 lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.
41. 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.
42. 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.
43. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
44. PP will comply with all the commitments made vide letter dated 20/06/2018.
45. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: 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.

## E. STANDARD CONDITIONS

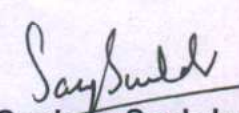
1. Controlled blasting techniques, as and when required, shall be carried out in the day time only.
2. Mining will be carried out as per the approved Mining Plan. In case of any violation of Mining Plan the Environmental Clearance given by SEIAA will stand cancelled.
3. Effective safeguard measures, 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.
4. 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.
5. Precise mining area will be jointly demarcated at site by officials of Mining/Revenue department prior to mining operations for all proposals under consideration.
6. 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.
7. Parking of vehicles should not be made on public places.
8. 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.
9. Measures for prevention and control of soil erosion and management of silt shall be undertaken.
10. Trenches / garland drains shall be constructed at foot of dumps to arrest silt from being carried to water bodies.
11. The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.
12. 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.
13. 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.
14. 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.
15. Project Proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.
16. 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.
17. Dispensary facilities for first-aid shall be provided at site.
18. 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

19. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
20. 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.
21. 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.

  
(P. Narahari)  
Member Secretary

Endt No. 1180 / SEIAA/18 Dated: 24.7.18  
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, 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 Chhatarpur, M. P.
10. Guard file

  
(Dr Sanjeev Sachdev)  
Officer-in-Charge