



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

**Environmental Planning & Coordination Organization**

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No: 1805 / SEIAA /18  
Date: 28.9.18

To,

Shri Abhay Khandelwal, Authorized Signatory,  
M/s Khandelwal Metal Works,  
PD-7, Perfect Enclave, Sneha Nagar, Jabalpur (MP).

Sub:- **Case No. 5157/2016** - Prior Environmental Clearance for Granite Deposit (Open Cast Other than fully mechanized Method) in an area of 24.60 ha. for production capacity of Granite Block 12,393 cum/year & Salable Waste Material-46,500 cum/year) at Khasra No. 27, 28, 32, 33, 40, 42/1 at Village-Dataya-Shahgarh, Tehsil-Sagar, District-Sagar (MP) by Shri Abhay Khandelwal, Authorized Signatory, M/s Khandelwal Metal Works, PD-7, Perfect Enclave, Sneha Nagar, Jabalpur (MP).

This has reference to your letter received in SEIAA office on 21.04.2016 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 **Granite Deposit** in an area of 24.60 ha. The mining lease area is located at khasra no. 27, 28, 32, 33, 40, 42/1 at Village- Dataya-Shahgarh, Tehsil-Sagar, District-Sagar. The nearest village Amarpura is located at the distance of 0.25 km -E & the nearest Bandai Nalla is located at the distance 0.25 km - W. There is no National Park/Sanctuary within 10 Km radius. There is no forest boundary within 250m from mining site.

The proposed project is for production capacity of Granite Block 12,393 cum/year & Salable Waste Material-46,500 cum/year. The mining will be carried out by Open cast Other than fully mechanized Method. The water requirement is 78 KLD. The water met from hand pump & well will be used for domestic purpose, dust suppression and green belt development. An area of 11.1225 ha area shall be covered under plantation and 22245 sapling shall be planted.

- III. 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.
- IV. 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 468<sup>th</sup> meeting dtd. 09.02.2018 and decided to accept the recommendations of 304<sup>th</sup> SEAC meeting dtd. 15.01.2018.



Hence, Prior Environmental Clearance is granted for Granite Deposit (Open Cast Other than fully mechanized Method) in an area of 24.60 ha. for production capacity of Granite Block 12,393 cum/year & Salable Waste Material-46,500 cum/year) at Khasra No. 27, 28, 32, 33, 40, 42/1 at Village-Dataya-Shahgarh, Tehsil-Sagar, District-Sagar (MP) for the lease period to Shri Abhay Khandelwal, Authorized Signatory, M/s Khandelwal Metal Works, PD-7, Perfect Enclave, Sneh Nagar, Jabalpur (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. 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 committed installation of 01 bore well within the mine site for irrigation of plantation, control on dust pollution and drinking purposes, and additional water requirement shall be fulfilled by water tanker with written consent of Gram Panchayat/Local villagers
6. PP will plant 3 years old (1280) saplings of suitable indigenous tree species in 3000 sq.mt. barrier zone + 250 m Transport road side during first year.
7. The over burden and waste will be stacked for five years and then simultaneously backfilled in the mined out area where plantation will be raised on it.
8. No overburden will be dumped outside the mine lease area.
9. 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, MP PCB.
10. PP shall ensure generation of employment opportunities nearby Village on priority bases.
11. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.
12. 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.
13. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields
14. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
15. PP shall ensure the proper water supply arrangements for plantation especially in summer season.
16. PP shall ensure proper implementation of plantation, dust suppression, construction of approach road and maintenance of existing pakka road as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
17. PP must ensure implementation of the following activities with separate budget provision should be kept under CSR :
  - a) PP shall ensure social welfare, skill development activities i.e. Stitching . motor repairing and sanitation programme at nearby village for woman & girls.
  - b) PP shall organize health checkup camp for nearby villagers.





- c) Providing two Computers in the Higher Secondary School in Village Dataya, Jasonda.
- d) Provision of public Toilet facility provide with water tank and maintenance at Aganwadi centre to nearby 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 Grampanchayat.**

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

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

- 19. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
- 20. 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.
- 21. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
- 22. PP will also carry out fencing all around the lease area.
- 23. Uprooting of seventeen trees is proposed thus necessary permission from the competent authority should be obtained for the same.
- 24. For dust suppression, regular sprinkling of water should be undertaken.
- 25. PP will obtain other necessary clearances/NOC from respective authorities.

## **C. MINING OPERATIONAL PHASE**

- 26. Blasting shall be carried out as per the approved mine plan to fracture the Granite block only as submissions made by the PP during presentation.
- 27. Retaining wall along with drain shall be provided all around the down side of the hillock
- 28. No slurry should be deposited outside the lease area and settled sludge should be backfilled.
- 29. Settling tank cleaning operations should be taken up on bi-monthly basis to prevent settling of silt in the tanks/chambers and related record shall be maintained in log book.
- 30. Over head water sprinkling system shall be provided to the transport vehicle which will carry the saleable waste material.
- 31. 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 7445 no's of trees will be planted along and within the ML. If backfilling will be done over 7.50 ha of area, additional plantation of 15,000 nos shall also be carried out over backfilled area. PP will also make necessary arrangements for the causality replacement and maintenance of the plants. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
- 32. Transportation of material shall be done in covered vehicles.
- 33. Transportation of minerals shall not be carried out through forest area.
- 34. 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.
- 35. PP shall explore the possibility to sale the waste material generated as OB, to avoid any external dumping.
- 36. Garland drains 400.0 X 0.50 X 1.00, 741.0 X 0.50 X 1.00, 700.0 X 0.50 X 1.00, 730.0 X





0.50 X 1.00, 700.0 X 0.50 X 1.00 and 22 settling pits should be provided to avoid silt discharge. Three settling tanks (1.10ha X 5m and, 0.77ha X5m & 0.11ha X 5m) shall be connected with garland drains and settling pits shall be provided for proper sedimentation.

37. Water sprinkling through tankers should be provided on 500 meter long and 06 meter wide haul road. However, regular water spraying should also be practiced on 250 meters long and width 06 meters wide transport road for dust suppression.
38. 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.
39. The existing and proposed land use plan of the mine is as follows:

Items	Existing	At the end of conceptual period
Total lease area	24.60 ha	
Total minable reserve	259951 cum	
Ultimate depth of mining	4m	5m bgl (350 mRL)
Area under dumps	Nil	Nil
Area under pits	0.1494ha	21.6225ha
Afforestation	Nil	3.6225ha + 7.50ha
Road	Nil	0.2ha
Infrastructure	Nil	Nil
Area fully rehabilitated through water body	0.10 ha	12.0ha

40. Any change in conceptual land use shall be intimated to SEIAA.
41. 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.
42. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
43. The commitments made in the public hearing are to be fulfilled by the PP.
44. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
45. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

#### D. ENTIRE LIFE OF THE PROJECT

46. The proposed EMP cost is Rs. 56.84 lacks and Rs. 19.40 lacks /year are proposed as recurring expenses out of which Rs. 25.51 lacks is proposed for green belt development inclusive of green belt along transport road and Rs. 1.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
47. Under CSR activity, Rs. 26.50 lacks and Rs. 9.70 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.
48. The adequate budget shall be provided for the PH issue i.e. water supply to the villagers



and protection measures like construction of retaining wall etc.

49. 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.
50. 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.
51. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
52. PP will comply with all the commitments made vide letter dated 15.01.2018.
53. 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. 1806  
Copy to:-

/ SEIAA/18 Dated: 28.2.18

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 Sagar, M. P. M. P.
5. I.A. Division, Monitoring Cell, MoEF & CC, Gol, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi- 110 003.
6. Director (S), Regional office of the MOEF, Western Region, Kendriya Paryavaran Bhawan, Link Road No. 3 Ravi Shankar Nagar, Bhopal-462016
7. Director, Geology & Mining, Madhya Pradesh
8. Divisional Forest Officer, District Sagar,
9. , 29-A, Khanij Bhawan, Arera Hills, Bhopal – 462002.
10. District Mining Officer, District Sagar, M. P.
11. Guard file

(Dr Sanjeev Sachdev)  
Officer-in-Charge