



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: 930 / SEIAA /18
Date: 2.6.18

To,

Shri Nivedan Bhardwaj, M.D.,
M/s Fortune Stones Ltd. 11, Bungalow No. - 2, Lokanathpurm,
Sagar Road, Distt. -Chhatarpur (M.P.) - 471001

Sub:- **Case Nos. - 885/2012 & 886/2012** - Revalidation of Environmental Clearance of Granite mine (Open Cast semi mechanized Method) in lieu of Amalgamation of mining lease area of (21.736ha + 6 ha = 27.736 ha) for production capacity of (40, 000 cum/year + 20, 000 cum/year = 60,000 cum /years) at khasra no 901 (forest compartment no. P- 703) at Village - Katahara, Tehsil - Lovekush Nagar, Distt. - Chhatarpur (M.P.) by Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. - 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) - 471001.

- I. 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 and 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. This is a case of lease amalgamation of Granite where two granite leases are in operations which are contiguous to each other and having area of 6 ha and 21.736 ha. The environment clearance was issued for both the leases for production capacity of 40,000 cum/annum for 21.736 ha and 20,000 cum/annum for 6 ha. vide letter number 3089/EPCO-SEIAA/15 dated 14/01/2015 and 3087/EPCOSEIAA/15 dated 14/01/2015.
- III. Application were made by PP for the amalgamation of both the lease area under rule 16(2) of GCDR 1999 and obtained the order from DGM for single lease of 27.736 ha (21.736 ha + 6 ha) vide order no. F-4-17/2007/12/1 15.02.2016. It is proposed to merge the buffer zone considering the hillock topography of the leases, so that proper shape of mining will be attained and smooth, systematic and scientific operation can be performed. PP submitted that this will also help to remove the blocked/trapped mineral in barrier zone and benches
- IV. It has been noted that the proposal is for **Granite Mine** in lieu of Amalgamation of mining lease area of (21.736ha + 6 ha = 27.736 ha). The mining lease area is located at khasra no 901 (forest compartment no. P- 703) at Katahara, Tehsil - Lovekush Nagar, Distt. - Chhatarpur. The nearest village Katahara is located at the distance of 0.2 km NE & the nearest Mudiha is located at the distance 1.5 km -SE. There is no National Park/Sanctuary & interstate boundary within 10 Km radius. The mining site is a forest land and a part of Forest Compartment no. P-703 of Protected forest Silpatpura. (Forest clearance from MoEF, Gol, vide no. 1673 dtd. 04.07.2008) PP has Forest Clearance report regarding mining lease area subject to all conditions given in the report.

The proposed production capacity of (40, 000 cum/year + 20, 000 cum/year = 60,000 cum /years). The mining will be carried out by Open cast semi mechanized Method. The water requirement is 159 KLD. The water met from tanker will be used for domestic purpose, dust suppression and green belt development. An area of 8.5296 ha area shall be covered under plantation and 12700 sapling shall be planted. The life of mine is 42 years as per approved mine plan.

- 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 484th meeting dtd. 17.05.2018 and decided to accept the recommendations of 311th SEAC meeting dtd. 16.04.2018.

Hence, Environmental Clearance of Granite mine (Open Cast semi mechanized Method) is hereby revalidated in lieu of amalgamation of mining lease area of (21.736ha + 6 ha = 27.736 ha) for production capacity of (40, 000 cum/year + 20, 000 cum/year = 60,000 cum/year) at khasra no 901 (forest compartment no. P- 703) at Village – Katahara, Tehsil – Lovekush Nagar, Distt. – Chhatarpur (M.P.) by Shri Nivedan Bhardwaj, M.D., M/s Fortune Stones Ltd. 11, Bungalow No. – 2, Lokanathpurm, Sagar Road, Distt. -Chhatarpur (M.P.) – 471001, considering the specific & standard conditions imposed in earlier prior EC of case no.885/2012 & 886/2012, subject to the following specific conditions as recommended by SEIAA & SEAC and subsequent Standard Conditions.

A. SPECIFIC CONDITIONS

1. Fencing shall be carried out in the periphery of the ML area
2. 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.
3. PP shall demarcate a barrier zone of 7.5 m towards the forest boundary as no mining zone and develop a green belt in it. The plantation shall be carried out in the greenbelt area in current year with proper watering arrangement. The Chain-link fencing (7 ft.height) 100 m long shall be also carried out towards the forest area in consultation with Department of Forest.
4. Plantation programme as mentioned in EIA/EMP and presented during presentation in SEIAA & SEAC shall be followed in content and spirit.
5. 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.
6. PP should ensure to plant 3 years old 2350 nos of saplings of suitable indigenous tree species in 5000 sqm + 2000 sqm Road side as a barrier zone during first year. Plantation of Drumstick, Neem Peepal, Bargad plants on priority shall be ensured by PP
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. PP shall ensure to construct and maintain approach road and maintained the existing pakka road in consultation with District Administration. Plantation will be carried out on both side of approach road.
9. 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.
10. No overburden will be dumped outside the mine lease area.
11. No blasting shall be permitted in the mining lease area.
12. 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.

13. PP shall ensure generation of employment opportunities nearby Village on priority bases.
14. Payments of wages to the workers shall be done in consonance with the provisions in the labour laws.
15. 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.
16. PP should also carry out regular sprinkling in the mining lease area to arrest dust emission from mining activities affecting the nearby agriculture fields
17. Mining shall be limited to the area as shown in surface plan and as per the approved mining scheme.
18. PP shall ensure the proper water supply arrangements for plantation especially in summer season.
19. PP shall ensure proper implementation of plantation, dust suppression, approach road construction, maintenance of existing pakka road and constructed of garland drain with settling tank specially for prevention of pollution in nearby lake as part of Environmental Management Plan. Additional budget provision shall be made as part of EMP.
20. PP must ensure implementation of the following activities with separate budget provision should be kept under CSR :

- a) Promotion of Skill developmen, Quality Education & Vocational Training for ST/SC and BPL card holders.
- b) Environment education & awareness including tree plantation.
- a) Contribution for quality education for girls & adult education camp.
- b) Promote clean water & safe sanitation practices.
- c) Medical Health check up camp for nearby villagers.
- d) Need Base activities of Local authorities requirement.

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.

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

B. PRE-MINING PHASE

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

C. MINING OPERATIONAL PHASE

29. 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.
30. Retaining wall along with drain shall be provided all around the down side of the hillock
31. Settling tanks and pits shall be provided for proper settling time. The accumulated silt (containing silica also) shall be used for back filling and till than store in RCC lined tank.
32. 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.
33. 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 6712 no's of trees will be planted along and within the ML. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
34. Transportation of material shall be done in covered vehicles.
35. Transportation of minerals shall not be carried out through forest area.
36. 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 DGM/IBM.
37. Garland drains 288mt L X 1.0mt D X 1.0m W, 161 mt L X 1.0mt D x 1.0m W apart from the existing drains provided at site
38. Shall be connected with garland drains and settling pits shall be provided for proper sedimentation.
39. Water sprinkling through tankers should be provided on 2800meter long and 6 meter wide haul road. However, regular water spraying should also be practiced on 865 meters long and width 7.50 meters wide transport road for dust suppression.
40. 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.
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. 38.50 lacks and Rs. 10.60 lacks /year are proposed as recurring expenses. Rs. 51.75 lacs are proposed for green belt development inclusive of green belt along transport road and Rs. 1.50 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
47. Under CSR activity, Rs. 8.80 lacks and Rs. 10.50 lacks /year are proposed as recurring expenses in different activities and should be implemented through respective committees.



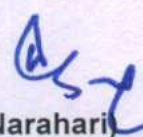
48. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
49. A separate 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.
50. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
51. 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.



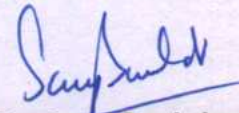
16. Persons working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
17. Dispensary facilities for first-aid shall be provided at site.
18. A copy of the environmental clearance shall be 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

931
Endt No.
Copy to:-

/ SEIAA/18 Dated: 2.6.18

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 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