



**DISTRICT LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(DEIAA), DHENKANAL**

(Constituted vide District Office, Dhenkanal Order No.225/Touzi, Dt.29.02.2016 as per the Ministry of Environment, Forest and Climate Change Notification No.141 (E), dt.15.01.2016 and 190(E), dt.20.01.16 in Extraordinary Gazette of India Under Environment Protection Act, 1986.)
Touzi Section, Collectorate, Dhenkanal-759001
Email: dkl.touzi@nic.in

Ref No. 1X-19/18-675

Dt. 18/06/18

From

Member Secretary,
District Level Environment Impact Assessment Authority (DEIAA),
Dhenkanal – 759001

To

The Tahasildar,
Tahasil-Hindol
Dist-Dhenkanal

Sub: Karanda Black Stone Quarry No.5 of Smt. Sumitra Mahapatra, W/o. Pradip Mahapatra At/P.O.-Balaramprasad, P.S.-Motanga Tahasil- Hindol, District: Dhenkanal (8.37 acres or 3.38 ha) - Environment Clearance regarding.

Sir,

This has reference to your letter No 202/ dated 12.01.2016 addressed to the Chairman, SEIAA, Odisha, Bhubaneswar seeking environment clearances for the above project. Later, the proposal has been received at the DEIAA, Dhenkanal on 27.07.2016 for consideration of environmental clearance as per the Ministry of Environment, Forest and Climate Change, Govt. of India Notification No.141 (E) dt.15.01.2016. The proposal has been appraised as per the provisions under the EIA Notification 2006 and on the basis of documents enclosed with the application such as Checklist, Form-1M, Prefeasibility Report, Approved Mining Plan etc. and observations of the District Level Expert Appraisal Committee (DEAC), Dhenkanal.

It is a proposed mining of minor mineral- Black Stone (Road Metal) from Karanda Black Stone Quarry No.5 located at Village – Karanda, Tahasil- Hindol, District- Dhenkanal , Odisha

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with total production capacity of 5320 cum over lease area of 8.37 acres. The mining lease of Karanda Black Stone Quarry No.5 has been finalised by Tahasildar Hindol to Smt. Sumitra Mahapatra vide letter No.2148 dt. 09.06.2015 as per OMMC (Amendment) Rules, 2014. The mining plan along with progressive mine closure plan of this mining project for the plan period 2015-16 to 2019-20 has been approved by Joint Director, Geology(I/C), Zonal Survey, Dhenkanal on dt. 31.12.2015. Mineable reserves as per the approved mine plan are 396560 cum with total production capacity of 5320 cum during the lease period as stated in the approved mining plan. The Sub-Divisional Committee, Hindol constituted for the purpose, has conducted field visit of the proposal and recommended for consideration to issue environmental clearance for mining of minor mineral of the proposed quarry. As per the report of the Sub-Divisional Committee, there are two mined out pits of 260 ft X 300 ft X 50 ft=1.79 acres and 260 ft X 130ft X 50 ft= 0.776 acres making a total excavated area of 2.56 acre. There is no protected area i.e. National Park, sanctuary, habitat for migratory birds. But, the area comes under elephant movement zone. Further, no railway line, national highway, canal, check dam, reservoir or lake, ponds intake for drinking water pump house, intake irrigation canal pumps situated within 500 mtrs from the proposed source. But Hindol Gudiakateni road is located at a distance of about 200 mtrs.

Considering the field visit report furnished by the Sub-Divisional Committee, the District Level Expert Appraisal Committee (DEAC), Dhenkanal after due considerations of the relevant documents submitted by the project proponent have recommended for Environmental Clearance with certain stipulations.

The District Level Environment Impact Assessment Authority (DEIAA) after considering the proposal and recommendations of DEAC, Dhenkanal hereby accords Environmental Clearance in favour of the project upto the lease period as recommended by the Tahasildar, Hindol under the provisions of EIA Notification 2006 and 2009 and Ministry of Environment, Forest and Climate Change Notification No. SO-141 (E) dtd-15.01.16 and No. SO-190(E) dtd-20.01.16 and subsequent amendments thereto subject to strict compliance of the stipulated conditions as follows.

Stipulated Conditions: -

Validity Period:

- 1) This environmental clearance shall be valid for the lease period as may be granted by the lease granting authority and coterminous with expiry of the lease period.

Operating Conditions:

- 2) The project proponent shall take statutory and regulatory clearance/ approval/ permission from the concerned authorities in respect of his project, before carrying out any operation.
- 3) Consent of State Pollution Control Board, Odisha be obtained u/s. 25 of Water (PCP) Act, 1974 and u/s. 21 of Air (PCP) Act, 1981 by the lessee prior to operation of mining of minor mineral.



- 4) Benching pattern should be adopted and work should be started from surface side with safety precautions for mining of minor minerals from the mined out pits as observed by the DEAC in its recommendation. In no case, it should be operated from excavated pit floor side, as it will not be safe to work under such a steep and high bench.
- 5) A condition be placed in the agreement that the leased area to be fenced with Solar powered fence to avoid untoward incidents with human & wildlife conflict.
- 6) Elephant proof trench to be done around the lease hold area to avoid any untoward incidents due to elephant movement.
- 7) Mining activity shall be carried out as per the approved mining plan prepared for this project.
- 8) Sabik reference for each quarrying plot is to be reflected. In case of no sabik reference is available; the Tahasildar shall furnish a certificate to that effect.
- 9) Demarcation/delivery of possession of the source be made in presence of the Forest Deptt. Authority by the Competent Authority.
- 10) The lease holder should not use blasting and avoid movement of vehicles at night. If necessary, slurry blasting should be allowed only during the day light after obtaining NOC/ permission from competent authority, for the safety of the human moving on nearby road and to avoid fly rocks during blasting.
- 11) Any change in mining technology/scope of working shall not be made without prior approval of DEIAA.
- 12) No mining shall be carried out in the vicinity of natural/manmade archaeological sites.
- 13) The project proponent shall ensure that no mining activity takes place beyond 6m below ground level.

Compliance and monitoring:

- 14) The applicant will submit half-yearly compliance report on post environmental monitoring in respect of the stipulated terms and conditions in the Environmental Clearance to the District Level Environment Assessment Authority (DEIAA), Dhenkanal, SPCB & Regional Office of the Ministry of Environment & Forest, Odisha on 1st June and 1st December of each calendar year.
- 15) All necessary statutory clearances shall be obtained before start of mining operations. The proponent shall obtain all other mandatory clearances from respective departments.
- 16) Any change in the calendar plan including excavation, quantum of mineral and waste shall not be made.
- 17) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and Local NGO.
- 18) It shall be ensured that quarrying is not carried out within 500m of structures, bridges, dams, weirs, ground water extraction points, water supply head works, extraction points for irrigation and any other cross drainage structures.

- 19) The conditions stipulated in the environmental clearance must be fully complied with before the lease granting authority. Tahasildar, Hindol will closely monitor the strict compliance on the ground of the conditions of EC and submit half yearly monitoring reports.
- 20) The DEIAA, Dhenkanal may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The DEIAA, Dhenkanal reserves the right to alter/modify the above conditions or stipulate any further condition on the interest of environment protection.
- 21) Concealing the factual information or 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.
- 22) The grant of this Environmental Clearance is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the condition laid down in all other laws for the time being in force, rests with lease granting authority/project proponent.
- 23) The project proponent shall ensure that quarrying is not carried out below ground water level under any circumstances. If ground water level occurs/intervenes within the permitted depth, then also quarrying shall be stopped.
- 24) At the end of mine closure, the Proponent shall immediately remove all the sheds put up in the quarry and all the equipment in the area at the time of closure of the operation of quarry.

Pollution abatement measures:

- 25) Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
- 26) Drilling and blasting (wherever required) shall be done only either by licensed explosive agent after obtaining required approvals from Competent Authorities.
- 27) The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority.
- 28) Blasting shall be carried out after announcing to the public adequately through public address system to avoid any accident. All safety measures as per the various mining regulations must be ensured.
- 29) Greenbelt shall be developed along the boundary of mining lease area as stated in the approved mining plan, with the native tree species or necessary fund for environmental measures be deposited in Odisha Environment Management Fund as per the simplified guidelines provided by the State Govt. in case of minor mineral extraction over area less than 5 ha.
- 30) Fugitive dust emissions from all the sources should be controlled regularly.
- 31) The quarry area after excavation should be refilled and raised plantation over the area.

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- 32) Water spraying arrangement on haul roads, should be provided and properly maintained.
- 33) Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.;
- 34) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of minerals. The vehicles shall be covered with a tarpaulin and shall not be overloaded and should be operated only during non-peak hours. The Project Proponent shall ensure that the vehicle should have pollution check certificate.
- 35) The following measures are to be further implemented to reduce air pollution during transportation of minerals :-
- Roads shall be graded to mitigate the dust emissions.
 - Overloading of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin.
- 36) The following measures are to be implemented to reduce noise pollution:-
- i) Power and regular maintenance of vehicles and other equipment.
 - ii) Limiting time of exposure of workers to excessive noise.
 - iii) The workers employed shall be provided with protection equipment and earmuffs etc.
 - iv) Speed of trucks entering or leaving the mine is to be limit to moderate speed of 25 kmph to prevent undue noise from empty trucks.
- 37) Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010 issued by MoEF, GOI.
- 38) Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- 39) The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
- 40) The project proponent shall take all precautionary measures during mining operation for protection & conservation of flora and fauna.
- 41) The proponent should re-vegetate the area through indigenous plants which were removed from the areas for the mining.
- 42) The area should be prepared in such a way as to stimulate/ensure the re-growth of vegetation.
- 43) Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and trans-boundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by SPCB, Odisha.

Safety, Appeal:

- 44) The proponent shall take necessary measures to ensure no adverse impacts due to mining operations on the human habitation existing nearby.

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- 45) Mining operation should not be allowed without compliance of provisions as enumerated in the OMMC Rules, 2016, OMMC (Amendment) Rules, 2017 and 2018 alongwith the Notifications of Forest and Environment Deptt. issued from time to time. All stipulations for enforcement of Labour Law issued by Labour & Employment Department from time to time shall be adhered to by the lessee.
- 46) Any appeal against this environment clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.


Member Secretary
DEIAA, DHENKANAL

Memo No. 676 /DEIAA, Dt. 18/06/18

Copy to:-

1. Ministry of Environment, Forests and Climate Change, Govt. Of India, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi-110003 for kind information.
2. Additional Chief Secretary, Forests & Environment Deptt., Govt. of Odisha for kind information.
3. Chairman, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for kind information.
4. Chairman, State Environment Impact Assessment Authority(SEIAA), Odisha, Qr. No.5RF-2/1, Unit-IX, Bhubaneswar-751022 for kind information.
5. Chairman, Central Pollution Control Board, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032 for kind information.
6. Sub-Collector, Hindol for information and necessary action.
7. Smt. Sumitra Mahapatra, W/o. Pradip Mahapatra At/P.O.-Balaramprasad, P.S.- Motanga Tahasil- Hindol, District: Dhenkanal for information and necessary action.
8. Chairman/Member/Member Secretary, DEIAA for kind information.
9. Chairman/Member Secretary, DEAC for kind information.
10. Assistant Collector, Touzi, Collectorate, Dhenkanal for information.
11. D.I.O., NIC, Dhenkanal with a request to upload the same in the website.
12. Guard File for record.


Member Secretary
DEIAA, DHENKANAL