

By Speed Post

No. 21-330/2006-IA -III
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road
New Delhi 110003
Dated: March 08, 2007

To

Shri Jayesh T. Shah,
M/s. Ravi Foundation Builders and Developers
Opp. Joy Ice-cream,
Near Hindustan Naka,
Kandivli (West),
Mumbai-400067 Maharashtra

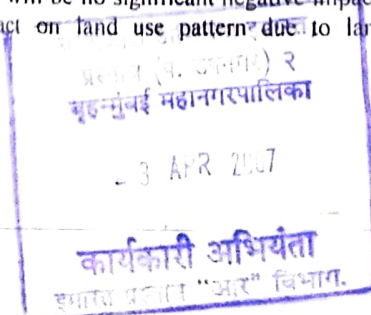
Subject: Environmental Clearance for construction of proposed Housing Project "Rock Enclave" at Kandivli (W), Mumbai, Maharashtra.

Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA Notification 1994 as amended on July 7, 2004. The above proposal has been appraised as per prescribed procedure on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP, Public Hearing proceedings and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee (EAC) constituted by the competent authority in its eighth meeting held on 15-16 December, 2006 and provisions under EIA Notification 2006.

2. The project proponent is proposing for development of Housing Project "Rock Enclave" at Survey No. 149, CTS No. 1A/1, Plot-C of Kandivli Village at Kandivli (W), Maharashtra. The project involves construction of 3 residential buildings and one welfare center for total 548 tenements and 82 shops. The total plot area is 15,505 sq.m. The total built up area as indicated is 28,684 sq. m. Total water requirement will be 378 cu.m./day. and total wastewater generation from the complex will be 302 cu. m./day. A STP having capacity of 185 cu.m/day to treat wastewater generated from the Mall will be installed at site. The total solid waste generated will be 1403 kg/d. The bio-degradable waste will be composted and non-bio degradable waste after recovery of recyclable waste will be disposed of for land filling.

3. The EIA report submitted along with the application predicts that there will be negative impact inside premises during construction phase as well as operation phase. There will be negative impact on ambient noise level during construction as well operation phase. There will be no significant negative impact on water quality. There will be positive impact on land use pattern due to landscaping and greenbelt



development. Plantation of trees and development of recreational area, surrounding area will have positive impact on overall land use.

4. The EAC after due consideration of the relevant documents submitted by the project proponent, responses to the public concerns expressed during the public hearing and additional clarifications furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. Accordingly, the Ministry hereby accords necessary environmental clearance for the project subject to the strict compliance with the specific and general conditions mentioned below:

PART A- SPECIFIC CONDITIONS

I. Construction Phase

- i. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- ii. Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.
- iii. A First Aid Room will be provided at the project site both during construction and operation of the project.
- iv. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- v. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.
- vi. Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards.
- vii. Ambient noise levels should conform to residential area standards both during day and night when measured at boundary wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
- viii. Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check"(PUC) certificate and to conform to applicable air and noise emission standards.
- ix. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.
- x. Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra State Pollution Control Board
- xi. Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.

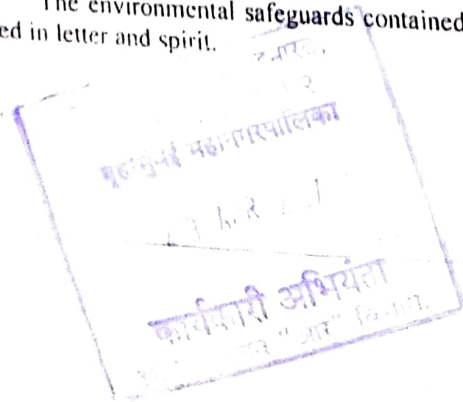
II. Operation Phase

The environmental clearance recommended to the project is subject to the specific conditions as follows:

- i. Necessary permission of competent authority shall be taken to store diesel in the premises for operation of DG set.
- ii. Diesel power generating sets proposed as source of back up power for lifts and common area illumination should be of "enclosed type" and conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack, raised to 4 meters above the rooftop.
- iii. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- iv. Noise barriers should be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards.
- v. Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area.
- vi. The sewage treatment plant should be certified by an independent expert for efficiency as well as adequacy and should submit a report in this regard to the Ministry before the project is commissioned for operation. The wastewater should be treated to tertiary level and after treatment reused for flushing of toilets and gardening. Discharge of treated sewage, if any, shall conform to the norms & standards prescribed by Maharashtra State Pollution Control Board.
- vii. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.
- viii. The solid waste generated should be properly collected & segregated. Wet garbage should be composted and dry/inert solid waste should be disposed of for land filling.
- ix. Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Maharashtra State Pollution Control Board.
- x. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.
- xi. Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.
- xii. The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- xiii. A Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months time.
- xiv. The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.

PART - B. GENERAL CONDITIONS

- i) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.



- ii) Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.
- iii) All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits.
- iv) 6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

5. Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhopal.

6. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

7. The Ministry 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 Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department (if required), CRZ Regulations etc. shall be obtained by project proponents from the competent authorities.

9. A copy of the environmental clearance letter would be marked to the local NGO(s), if any, from whom suggestion/representation were received at the time of public hearing.

10. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

11. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.

12. The project authority will enter in to MOU with all buyers of the property, flats/shops etc. to ensure operation and maintenance of the assets handed over to the society formed by the residents/owners of the buildings.

13. Under the provisions of Environment (Protection) Act 1986, legal action shall be initiated against the project proponent if it was found that construction of the project had started without obtaining environmental clearance.

(K.C. RATHORE)
Additional Director (IA)
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Tele: 24360789

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, New Administrative Building, 15th Floor, Opp. Mantralaya, Mumbai.
2. The Member Secretary, Maharashtra State Pollution Control Board, Kalptaru Point, 3rd Floor, Near Sion Circle Opp. Cine Planet Cinema, Sion(E), Mumbai.
3. The CCF, Regional Office, Ministry of Environment & Forests, Bhopal.
4. IA - Division, MOEF, New Delhi - 110001.
5. Guard file.

(K.C. RATHORE)
Additional Director (IA)

