

# State Level Environment Impact Assessment Authority



## Madhya Pradesh Government of India Ministry of Environment & Forests

### Madhya Pradesh Pollution Control Board

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Tel:0755-2466970

No: 337 /EPCO-SEIAA/09  
Date:28-02-09

To,

The Executive Engineer (Redensification)  
M. P. Housing Board  
Dean Dayal Nagar  
Bhind Road  
Gwalior M.P.-474 020

**Sub:- Environmental clearance for construction of Government Houses (Redensification) at Thatipur, Gwalior, (M.P), case no 118/2008**

This has reference to your application No. Nil, dated 26-06-08 and subsequent letter 257/EE/(R)/GWL/08 date 17-09-08 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., form I, form IA, drawings and the additional clarifications furnished in response to the observations of the Expert Committee constituted by the competent authority in its meetings held on 19-08-08 and 25-09-08.

2. It is, interalia, noted that the project involves the construction of 1010 Government houses, a school and a office building under redensification project on a plot area of 88000 sq.m. The proposed total built-up area is 60960 sq.m. The proposed total water

requirement is 714 KLD. 570 KLD of waste water will be generated which will be discharged into the municipal main sewer trunk line. The power requirement proposed is 2400 KW.

3. The Expert Committee after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have recommended grant of environmental clearance as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments. State Level Environment Impact Assessment Authority (SEIAA) after consideration of recommendations of the expert committee and on the basis of the record, accords environmental clearance subject to strict compliance of the terms and conditions as follows:-

## **PART A- SPECIFIC CONDITIONS**

### **I. Construction Phase**

- i. Consent for Establishment shall be obtained from Madhya Pradesh Pollution Control Board under the Air and Water Act and a copy shall be submitted to the competent authority before start of any construction work at the site.
- ii. All required sanitary and hygienic measures should be in place before starting construction activities and are to be maintained throughout the construction phase.
- iii. A First Aid Room will be provided in the project both during construction and operation of the project.
- iv. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for

mobile toilets. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.

- v. Necessary arrangement shall be made for the disposal of treated waste water during monsoon.
- vi. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- vii. Disposal of waste material during construction phase should not create any adverse effect on the neighbouring communities and should be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- viii. 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.
- ix. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Madhya Pradesh Pollution Control Board.
- x. The diesel generator sets to be used during construction phase, should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

- xii. The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- xiii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate, should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- xiv. Ambient noise levels should conform to residential standards both during day and night and incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPPCB.
- xv. Fly ash should be used as building material in the construction as per the provisions of Fly ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).
- xvi. Provision for plantation has to be made as per Madhya Pradesh Bhumi Vikas Niyam, 1984 subject to a minimum of 33% of the total plot area.
- xvii. As far as possible ready mixed concrete must be used in building construction.
- xviii. Water demand during construction should be reduced as much as possible by use of pre-mixed concrete curing agents and other best practices.

- xviii. Gwalior Municipal Corporation, Gwalior vide their letter no 2506/P.I.U/Project UDAI/ Nagar Palika Niagam/2007 dt 12-10-07 has committed to supply 800 KLD water to the proposed construction of Government Houses (Redensification), which is within the projected demand of 714 KLD. Hence no ground water should be used in the operational phase of the project.
- xix. This environmental clearance has been given for the construction of govt. houses, a school and a office building for which Gwalior Municipal Corporation has assured to provide 800 KLD of water. Separate environment clearance will be required for the building coming up on the same site other than mentioned above.
- xx. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- xxi. Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary, high quality double glass with special reflective coating in windows can be used.
- xxii. The approval of the competent authority shall be obtained for structural safety of the buildings, adequacy of fire fighting equipments, etc. as per National Building Code.
- xxiii. 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.
- xxiv. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found

that construction of the project has been started without obtaining environmental clearance.

## **II. Operation Phase**

- i. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- ii. Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel must be used. The location of the DG sets may be decided with in consultation with Madhya Pradesh Pollution Control Board.
- iii. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- iv. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
- v. No water logging should take place at any point during construction and operation phase.
- vi. Rain water harvesting for roof run-off and surface run-off, as per the plan submitted should be implemented. Before recharging the

surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept a least 5 mts. above the highest ground water table.

- vii. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- viii. A report on the energy conservation measures conforming to energy conservation norms issued by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R& U Factors etc. and submitted to the competent authority in three months time.
- ix. Energy conservation measures like installation of energy saving devices for lighting the areas inside and outside the building, should be an integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
- x. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

## **PART B- GENERAL CONDITIONS**

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

Provision should be made for supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.

Six monthly monitoring reports should be submitted to the State Level Environment Impact Assessment Authority and Regional Office of Ministry of Environment and Forest, Govt.of India, Bhopal.

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 MoEF, Bhopal.

In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA of M.P. or Ministry as the case may be.

6. The SEIAA of M.P. 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
7. All other applicable statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act 1980 and Wildlife (Protection) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 must be obtained.
8. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment



(Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

9. This environmental clearance is subject to the project proponent ensuring compliance of the decision of the Hon'ble High Court in writ petition no 2818 of 2008.
10. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

Sd/-

**(Deepti Gaur Mukerjee)**  
Member Secretary, SEIAA

Endt No. 338 / EPCO- SEIAA/ 09

Dated:-28-02-09

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
3. Division, Monitoring Cell, MoEF, New Delhi- 110 003
4. The Regional Officer, MOEF, Bhopal
5. Guard file.

Sd/-

**Member Secretary, SEIAA**