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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY - DELHI
OFFICE OF DELHI POLLUTION CONTROL COMMITTEE
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F.No. 47/DPCC/ SEIAA-SEAC/09

Dated:

To

M/s Delhi Development Authority,
South Western Division 4,
Nelson Mandela Marg,
Vasant Kunj, New Delhi-110030

Sub: Environment Clearance for Mega Housing Project “Construction of HIG/MIG/LIG Houses” at Vasant Kunj, Delhi by M/S DDA - Environmental Clearance – Regd.

This has reference to communication no. F36(61)AEIP/SWD4/DDA/1273 dated 20.07.2009 followed by subsequent letter dated 02.09.2009 and 01.09.2009 made to State Level Expert Appraisal Committee, NCT-Delhi, constituted vide GOI notification no. S.O. 1888(E) dated 30.07.2008, seeking prior Environmental Clearance for the above project under EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under EIA Notification, 2006 on the basis of mandatory documents enclosed with the application along with the additional clarifications furnished in response to the observations of State Expert Appraisal Committee constituted by Competent Authority in its meetings held on 07.08.2009 and 04.09.2009.

1. It is interalia noted that the proposal is for grant of Environment Clearance for under construction Mega Housing Project “Construction of HIG/MIG/LIG Houses” at Vasant Kunj, Delhi. The proponent had earlier applied for Environment Clearance to Ministry of Environment & Forests on 11.04.2008 and was appraised on 16.04.2008. However due to non-compliance by the project proponent with respect to submission of specific information, the proposal was closed by Ministry of Environment & Forests. The proponent submitted the proposal before the State Level Expert Appraisal Committee, Delhi. Total number of Dwelling Units proposed is 1904 (HIG: 1008 (G+8), MIG: 416 (G+3 & G+8) and LIG: 480 (G+3)). Common facilities will include Local Shopping Centre(01), Convenient Shopping Centres(02), Higher Senior Secondary School (01), Nursery School (04), Community Hall & Library(01), Dispensary(01) etc. The total plot area is 2,36,581 m² and the total built-up area is 1,84,595.32 m². FAR to be achieved for the project is 148.26. Achieved Ground coverage area is 26,001.92

m². Total Green area is 56,650 m². Total parking proposed for the project is 2900 ECS (on surface and in basement). Total water requirement for the project is 2790 KLD. Fresh water requirement will be 1657.50 KLD. Total Sewage generation is 1951 KLD, which will be treated at the proposed on site STP having 1900 KLD capacity. The treated wastewater of 1756 KLD will be used in flushing (552.50 KLD), filter backwash (85 KLD), gardening (350 KLD), road wash (80 KLD), cooling tower (65 KLD) and rest of 623.50 KLD will be the overflow. Power will be supplied by BSES Rajdhani Power Ltd. Solid waste generation from the project will be approx. 5577 kg/day (which includes Bio-medical waste of 5 kg/day). SEIAA has not examined their requirements as the same has been taken into account by SEAC during the appraisal of project. The estimated cost of project is Rs. 200 crores.

2. The State Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to the observations, has recommended this project to State Environmental Impact Assessment Authority (SEIAA) for grant of Environmental Clearance. After considering different aspects and SEAC recommendations, SEIAA hereby accords necessary Environmental Clearance for the above project as per provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendments, subject to compliance of the terms and conditions as follows:

PART A- SPECIFIC CONDITIONS

I. Construction Phase

- (i) Construction to be started after Consent to Establish has been obtained from Delhi Pollution Control Committee under Air and Water Act and a copy shall be submitted to the SEAC- NCT Delhi, failing which project shall be discontinued.
- (ii) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent since the construction of the project has been started without obtaining environmental clearance and for each violation of the requirements shown below.
- (iii) A first aid room to be provided in the project both during construction and operation phase.
- (iv) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. the housing may be in the form of temporary structures to be removed after completion of the project.
- (v) Top soil excavated during construction activities should be stored for horticulture/landscape development within site.

- (vi) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (vii) Proper measures should be adopted to control dust emissions during construction phase.
- (viii) Soil and water samples of the site should be tested by the proponent through DPCC recognized laboratory to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants, on a six monthly basis for inclusion in the six monthly report.
- (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 and operation phase should be disposed off as per applicable rules and norms with necessary approvals to the Delhi Pollution Control Committee.
- (xi) 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 and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. The material loaded or unloaded should be covered (especially excavated soil) before transportation to avoid fugitive emissions etc.
- (xiv) Ambient noise levels should conform to prescribed residential standards both during day and night. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the norms stipulated by CPCB/DPCC.
- (xv) Thick green belt of the adequate width (20 – 10 m) and density shall be raised along the periphery of the plot so as to provide protection against particulates and noise. Jamun and drought tolerant native trees should be included in Greenbelt. Construction of the building to go along with the landscape w.r.t plantation.
- (xvi) 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 27th August, 2003.
- (xvii) Ready Mix Concrete must be used in building construction.
- (xviii) Rain water harvesting for roof top run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease. The depth of the bore for rainwater recharging should be kept in consultation with DJB. No wastewater (such as sewage, trade

effluent, backwash of treatment unit, floor washing wastewater etc) should be discharged into the rain water harvesting structure in order to avoid groundwater contamination. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized. No surface parking should be allowed.

- (xix) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices preferred.
- (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) Energy Conservation Building Code to be strictly adopted in all aspects of building design and construction.
- (xxii) Approval of competent authority shall be obtained for structural safety of the building due to earthquake, adequacy for fire fighting equipments etc as per national Building Code including protection measures from lightening etc.
- (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 all surroundings.

II. Operation Phase

- (i) Consent to Operate shall be obtained from DPCC before operation, failing which the Environmental Clearance herein shall be deemed to be withdrawn.
- (ii) The Zero discharge effluent condition to be achieved with installation of on-site Sewage Treatment Plant. Excess treated water from STP should be pumped to the Aravali Biodiversity Park for use. The STP should be certified by an independent expert and adequacy report in this regard should be submitted to Delhi Pollution Control Committee before the project is commissioned for operation. Necessary measures should be made to mitigate the odour problem from STP.
- (iii) The solid waste (dry as well as wet garbage) generated should be properly collected and segregated. Organic Waste Converter shall be installed by RWA for the treatment of biodegradable (wet) garbage generated within the housing complex. Non-Biodegradable waste should be outsourced properly after recovery of recyclable material. Adequate measures should be taken to prevent odour problem.
- (iv) The drainage channel located in the vicinity of project site should be maintained properly.
- (v) Utilization of Diesel power generating sets is subject to power failure condition only. The DG sets proposed as a source of power back up during operation phase should be of enclosed type, low sulphur diesel run and conform to rules made under the Environment (Protection) Act, 1986. The DG sets should be subjected to periodic noise and stack monitoring in consultation with DPCC. Waste/used diesel should be stored and managed as per Hazardous Waste

- (Management and Handling) Rules, 2000 as amended to date and be sold to CPCB approved recyclers.
- (vi) Noise should be controlled to ensure that it does not exceed the prescribed standards both during day & night time.
 - (vii) The ground water drawl from existing/proposed bore wells should be done only with the prior permission of DJB. The ground water level and its quality should also be monitored regularly both during construction and operation phase in consultation with DJB.
 - (viii) Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully internalized and no public space should be utilized.
 - (ix) Energy Conservation measures such as solar lighting for common area, solar water heating system, CFLs/TFLs for lighting of areas, LED lights for signage, solar inverters on the etc should be adopted.
 - (x) Used CFLs/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.
 - (xi) A Report on energy conservation measures conforming to energy conservation norms finalized by Bureau of energy Efficiency should be prepared incorporating details about building materials and technology, R & U factors etc and submit to the State Expert Appraisal Committee and a copy to DPCC in three months time.

PART B- GENERAL CONDITIONS

- (i) The environment safeguards and monitoring schedule as contained in the EMP should be implemented in letter and spirit & there will be no departure from the final project proposal as approval herein.
- (ii) Officials from Delhi Pollution Control Committee, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/data on site by the project proponents during their site inspection. A complete set of all the documents submitted to SEAC should be forwarded to DPCC. Six monthly monitoring reports should also be submitted to DPCC.
- (iii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEAC.
- (iv) In compliance to Hon'ble High Court's Order dated 7th August, 2008, use and sale of plastic carry bags should be prohibited.
- (v) E-waste generated in the complex should be managed as per CPCB guidelines on E-waste management.
- (vi) State Environmental Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including the revoking of the environmental 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.
- (vii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil

- Aviation Department etc shall be obtained, as applicable by project proponents from the respective competent authorities.
- (viii) These stipulations would be enforced among others under the provisions of Water (Prevention and Control) Pollution Act, 1974, the Air (Prevention and Control) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
 - (ix) The project proponent should advertise in at least two local Newspapers widely circulated in the region informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the DPCC and may also be seen on the website of DPCC at <http://www.dpcc.delhigovt@nic.in> The advertisement should be made within 10 days from the date of receipt of the Clearance letter.
 - (x) An 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.
 - (xi) Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

Dr. A. K. Ambasht
Member Secretary (SEIAA)

Copy to:

1. The Secretary(Environment) cum Chairman (DPCC), Department of Environment, Government of NCT Delhi, Secretariat Building, 6th Level, C-Wing, I.P.Estate, New Delhi.
2. Sh. Jagdish Sagar, IAS (Retd.), Chairman, State Level Environment Impact Assessment Authority, B-401, SPS Residency, Vaibhav Khand, Indira Puram, Ghaziabad, UP.
3. Director, Impact Assessment III– Division, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi-110003.

Dr A. K. Ambasht
Member Secretary (SEIAA)