Annexure - VIII

GOVERNMENT OF HARYANA
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

Telephone No. 0172-2565232
Website: www.seiaahry.in

No. SEIAA/HR/2011 /169 Dated: 8.3.11

To

National Institute of Immunology,
Ministry of Science & Technology,
Department of Biotechnology Govt. of India.
180, Udyog Vihar Phase-I,
Gurgaon- 122 016. India.

Subject: Environmental Clearance for proposed "NCR Biotech Science Cluster at village-Bhankri, Faridabad, Haryana.

Dear Sir,

This has reference to your revised application no. BTC/THSTI/ETC-07/2010 dated 25.10.2010 addressed to M.S. SEIAA Haryana received on 22.11.2010 and subsequent letter dated 15.12.2010 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-1, Form1-A & Conceptual Plan and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 21.4.2008, in its meetings held on 25.11.2010 & 24.01.2011 awarded "**Gold**" grading to the project.

[2] It is, interalia, noted that the project involves the construction of proposed "NCR Biotech Science Cluster at village-Bhankri, Faridabad, Haryana by National Institute of Immunology, Ministry of Science & Technology, Department of Biotechnology Govt. of India. The Chief Administrator, Faridabad vide letter dated 02.03.1993 has allotted 40 acres of land for development of proposed NCR Biotech Science Cluster. The recommendation of SEAC to accord environmental clearance on 40 acres of land was considered in the 42nd meeting of SEIAA held on land. Out of 40 acres of forest land (project area) the Forest Department has given permission for diversion of 23.75 acres of forest land (project area).

Accordingly, the representative of the Project Proponent was advised to restrict the project activity up to 23.75 acres for which permission for diversion of forest land has been given by Forest Department as the remaining 16.25 acres of land cannot be the part of project as the Forest Department has not given any permission for diversion of this land. The Project Proponent vide letter no. BTC/THSTI/ETC-07/2010 dated 21.02.2011 submitted revised proposal for construction of NCR Bio-Tech Science cluster of 23.75 acres of diverted Forest area out of 40 acres of land allotted by Municipal Corporation Faridabad. The revised proposal was considered in the 43rd meeting of SEIAA held on 26.02.2011.

It is, interalia, noted that that the revised proposal is for development of NCR Biotech Science cluster on a plot area of 96113 sqmt (23.75 acres). Total built-up area will be 80652.381 sqmt. The complex will have 6 building blocks having G+ 3 floors. The fresh water requirement will be 300 KLD which will be obtained from Bore-well and permission has been obtained for abstraction of ground water for drinking purpose. 280 KLD of waste water will be generated which will be treated in 2 STP's of 200 KLD capacity each. The entire treated water will be recycled and reused leading to zero exit from the unit. 1271.425 kg of solid waste will be generated which will be disposed of as per MSW rules. Bio-degradable waste will be used for composting within the project area. 762.24 kg of Bio-Medical Waste proposed to be generated from the project site will be disposed of as per Bio-Medical Waste (Management & Handling Rules). The power requirement is 2000 KVA which will be supplied by DHBVN. The total parking spaces proposed are for 1075 ECS. Total cost of the project is Rs.136 crores.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority hereby accords necessary environmental clearance with revised plan on an area of 23.75 acres only to the project under Category 8(a) of EIA Notification 2006 subject to the strict

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

[i] A first aid room as proposed in the project report will be provided both during construction and operational phase of the project.

[ii] Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the laboures is strictly prohibited. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.

[iii] All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

[iv] Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

[v] Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dumping sites for such material must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.

[vi] The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

[vii] 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.

[viii] Ambient noise levels should conform to the Institutional standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated Institutional standards.

provisions of the Hazardous Waste (Management and Handling) Rules, 2003 as per the August 2003.

[x] Ready mixed concrete must be used in building construction.

[xi] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.

[xii] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices as referred.

[xiii] Permission from Competent Authority for supply of water shall be obtained prior to operation of the project.

[xiv] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

[xv] Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

[xvi] The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.

[xvii] The Project Proponent will use water for construction phase through tankers from safe zone. However, prior permission from CGWA will be taken before using the bore well water for construction purposes if required.

[xviii] The Project Proponent will construct 40 (Forty) nos. rain water harvesting pits for recharging the ground water within the project premises.

[xix] The Project Proponent will provide minimum one hydraulic ladder for escape of people in case of fire.

[xx] In addition to the proposed rain water harvesting pits, the Project Proponent shall develop under ground water tank of 5 lac litre capacity for collection of storm water and will provide 6 number of recharge wells for recharging of ground water.

Operational Phase:

[i] The ETP shall be installed for the treatment of the waste water to the

zero exit discharge. The ETP should be installed at the remotest place in the project area.

[ii] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD maximum upto 10 ppm and the recycled water will be used for flushing, gardening and DG set cooling and running of fountain in the water body to achieve zero exit discharge.

[iii] For disinfection of the treated water ultra violate radiation or ozonization process should be used.

[iv] The solid waste generated should be properly collected and segregated. Bio-degradable waste will be decomposed at site and dry/ inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.

[v] Diesel power generating sets proposed as source of back up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e above the roof level as per the CPCB norms. The diesel used for DG sets should be of low sulphur contents (maximum upto 0.25%).

[vi] Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Biotech Science Cluster Complex.

[vii] The Project Proponent will adhere to the tree plantation plan as approved by DFO Faridabad.

[viii] Weep holes in the compound front walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.

[ix] Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.

[x] The ground water level and its quality should be monitored regularly in

[xi] There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.

[xii] A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SEIAA, Haryana in three months time.

[xiii] Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be 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 must be adapted to the maximum extent possible for energy conservation.

[xiv] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be composted by vermi-composting at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

[xv] The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.

[xvi] The Project Proponent will use the water from the already existing tube wells for domestic purposes only after getting permission from CGWA during operation phase.

[xvii] The traffic plan and the parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.

[xviii] The Project Proponent will abide by the Bio Medical Waste (Management & Handling) rules 1989 as amended from time to time.

[xix] The ETP sludge after drying on the sludge drying beds should be collected in within the plant premises. The leachates from the landfill should be recycled back to the ETP.

[xx] The Project Proponent should abide by the hazardous waste (Management and Handling) rules 1989 as amended from time to time.

[xxi] The Project Proponent should abide by the Chemical Accidents (Emergency Planning, preparedness and Response) Rules. 1996.

[xxii] The Project Proponent should abide by the Manufacture storage and Import of Hazardous Chemicals Rules, 1989, as amended from time to time.

[xxiv] The Project Proponent will abide by Manufacture Use, Import, Export and storage of Hazardous Micro-Organisms Genetically Engineered Organisms of Cells Rules, 1989.

[xxv] The Company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment and eco-friendly atmosphere.

[xxvi] The Project Proponent shall install solar panel of 20 KW in the project area.

PART-B. GENERAL CONDITIONS:

[i] The environmental safeguards contained in the EIA/EMP Report should be implemented in letter and spirit.

[ii] Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MOEF, GOI, Northern Region, Chandigarh and a copy to the SEIAA Panchkula, Haryana.

[iii] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project.

[iv] The Project Proponent will start construction only after getting NOC from the Forest Department that the area under consideration does not fall under section -4 and 5 of PLPA-1900.

[v] All other 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, 1972, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

issued by the Hon'ble Supreme Court/High Courts.

[vii] No further expansion or modifications in the plant should be carried out without prior approval of the SEIAA Haryana. In case of deviations or alterations in the project proposal from those submitted to SEIAA Haryana, a fresh reference should be made to the SEIAA Haryana. To assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

[viii] The SEIAA Haryana may revoke or suspend the clearance, if implementation of any of the above conditions is found unsatisfactory.

[ix] The SEIAA Haryana reserves the right to stipulate additional conditions if found necessary. The Institute will implement these conditions in a time

[vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana.

[viii] The proposal is limited to an area of 23.75 acres instead of 40 acres and the revised plan.

Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.

Endst. No. SEIAA/HR/2011 Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MOEF, GOI, CGO Complex, Lodhi Road, New Delhi.
2. The Regional office, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, Pkl.

Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.