

Minutes of the 36th meeting of State Level Expert Appraisal Committee (SEAC) held on 22.12.2011 from 10:00 am to 2:00 pm in the Conference Room of DPCC

A special meeting of State Level Expert Appraisal Committee (SEAC) was held on 22/12/2011 in the Conference Room of DPCC under the Chairmanship of Prof. C.R. Babu. The following members of SEAC were present in the meeting:

1. Professor Subir Saha - Member
2. Dr. R. K. Khandal - Member
3. Shri Amarjeet Singh - Member
4. Shri Sandeep Mishra - Member Secretary

Dr. Anil Kumar (Director, Environment) and Dr. M. P. George (Sr. Scientist, DPCC) also attended the meeting. Dr. Chetna (Scientist, Environment) assisted the Committee.

With due permission from the Chairman, the case was considered.

Case No. 82

Project Name : Development of Institutional buildings at Delhi University, North Campus, Delhi.

Project Proponent: Mr. Anupam Shrivastava, University Engineer, Engineering Department, (North Campus), Delhi University, Delhi-110007

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Project Consultant: M/s IRG Systems South Asia Pvt. Ltd.

The proposal is for grant of Environment Clearance for Development of Institutional buildings at Delhi University, North Campus, Delhi on a plot area of 17460 sq.mt. The proposed built-up area is 41277 sq.mt. The project includes construction of Chemistry Laboratory Building with B+G+5 floors, Botany Building with B+G+2 floors, Examination Building with B+G+2 floors and Arts & Social Science Building with B+G+6 floors. The proposed Green Belt area is 2870 sq.mt. The total expected student population will be 2700 persons (Chemistry Laboratory Building: 787 persons + Arts & Social Science Building: 1463 persons + Botany Building: 200 persons + Examination Building: 250 persons). The proposed parking provision will be 152 ECS in Arts & Social Science Building, 99 ECS in Chemistry laboratory building, 57 ECS in Examination building and 23 ECS in Botany building. The fresh water requirement will be 130.11 KLD, out of which 121.5 KLD will be used for academic blocks and rest of 8.61 KLD will be used for

horticulture. The source of water supply will be DJB. The total wastewater generation will be 103.27 KLD which will be disposed off to STP of DJB through sewers of DJB. It is proposed to construct a treatment facility (neutralization tank) where the effluents estimated to be generated from the Chemical Laboratory Building shall be treated before disposing it off. The Municipal Solid Waste generation will be 200 kg/day, which will be disposed off by a private agency at present working in the university. The total power requirement will be 4358 KW/day. The power supply is met from NDPL. The DG sets of 1 x 725 KVA, 1 x 380 KVA, 1 x 320 KVA and 1 x 160 KVA are proposed for power back up. Rainwater Harvesting system has been proposed. The estimated cost of the project is Rs. 243.40 Crores.

The proponent informed the Committee that the Chemistry building & Examination building have already been approved by DUAC & CFO and the clearance for other two buildings is under process.

Based on the information furnished, presentation made and further discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. The Committee sought the following information for its further consideration in the next meeting:

- (i) Approval of Chief Fire Officer and Delhi Urban Arts Commission for Building Plans.
- (ii) Revised landscape plan with provision of 2 rows of trees along the road side in front of the Chemistry block and Arts & Social Science Block.
- (iii) Revised list of trees to be cut with reduction in no. of trees.
- (iv) Revised list of trees to be planted.
- (v) Examine feasibility of having separate enquiry office building for examination block.
- (vi) Revised fire fighting layout plans for all new buildings.
- (vii) Examine feasibility of small alteration in the layout plan at examination building for provision of emergency exits.
- (viii) Revise water balance chart with provision of ETP for Chemistry block.
- (ix) Schematic diagram of ETP with location in Layout plan.
- (x) Water supply pipelines layout plan for all new buildings.
- (xi) Linkage of additional water and power supply.
- (xii) Details of electric load & energy efficiency measures.
- (xiii) Details of parking in all new buildings.
- (xiv) Disaster management plan.
- (xv) Revised EMP with budget.

The Committee decided that the following additional conditions should be laid down at the time of issuing the amendment to the EC:

- (i) All Trucks carrying construction material to be covered.

- (ii) ECBC norms should be followed.
- (iii) Solar lighting in common areas should be adopted.
- (iv) Solar water heating system should be installed in all the proposed buildings.
- (v) Common Paper Recycling Unit should be installed.
- (vi) E-waste Management and Handling Rules 2011 should be followed.
- (vii) Separate storehouses should be provided for individual chemicals.
- (viii) Radioactive isotopes from new botany block should be dealt as per AERB guidelines.
- (ix) Organic waste Converter to be installed for cafeteria area.
- (x) Scrubbers to be installed for fumes from chemistry lab with exhaust chimney above roof level.
- (xi) Scrubbing water should be discharged into ETP for treatment.
- (xii) STP(s) should be installed for the entire North Campus and the treated wastewater should be used for horticulture within 3 years.
- (xiii) No fresh water should be used for horticulture.
- (xiv) Since subsoil water is high, the shallow borewell water should be used for horticulture and not DJB water.
- (xv) 2-3 rows large no. of potted plants/drums should be put up.
- (xvi) One architect and one environmentalist should be included in Works Advisory Committee.
- (xvii) Continuous monitoring of environmental quality and green cover should be carried out and to achieve this, the Department of Environmental Studies should be strengthened in terms of manpower and infrastructure.

The meeting ended with vote of thanks to the Chair.
