

MINUTES OF 8th MEETING OF STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, UNION TERRITORY, CHANDIGARH HELD ON 07.04.2017 at 11:30 A.M. IN THE COMMITTEE ROOM, 2ND FLOOR, PARYAVARAN BHAWAN, SECTOR 19-B, CHANDIGARH UNDER THE CHAIRMANSHIP OF SH. KHAZAN SINGH, CHAIRMAN, SEIAA, U.T, CHANDIGARH

A meeting of State Environment Impact Assessment Authority, Union Territory, Chandigarh held on 07.04.2017 at 11:30 a.m. in the Committee Room, 2nd floor, Paryavaran Bhawan, Sector 19-B, Chandigarh under the chairmanship of Sh. Khazan Singh, Chairman, SEIAA, U.T, Chandigarh, to discuss the Environment Clearance of "Residential Complex, Chandigarh Armed Police at Village Dhanas, U.T., Chandigarh".

Following members were present in the meeting:-

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| 1. Dr. Virender Kumar Rattan
Deptt. Of Chemical Engineering
Panjab University, Chandigarh | Member |
| 2. Sh. Santosh Kumar, IFS
Director
Department of Environment
U.T., Chandigarh | Member Secretary |
| 3. Sh. Pawan Jit Singh Dadhwal
Scientist 'SE',
Department of Environment
U.T., Chandigarh | Special Invitee |

The Member Secretary, SEIAA appraised the chairman as well as the member about the project in detail. This project has recently been recommended by the SEAC for the grant of environmental clearance subject to the conditions mentioned in the recommendations conveyed vide its letter No. 1/5/ED/99/EC/SA/566 dated 06.04.2017.

The SEIAA had thoroughly gone through the prescribed application form-1 and form-1A, along with the documents. The proposed project is a Housing scheme under which the project proponent will construct Type II, III, IV & V modular flats at Village Dhanas, Chandigarh over a plot of 52.93 acres (214198.3 m²) out of which 171343.9 m² is allotted for housing complex as per approved zoning plan, with the estimated cost of 594 Crores. The project site is located at approximate 30°46'6.59" N and 74°44'50.77" E at village Dhanas, U.T. Chandigarh. The complex will have 4-Types of houses consisting of 1272 of Type II, 264 of Type III, 96 of Type IV and 24 of Type V in a total of 74 blocks. There will be 53 blocks of Type-II houses, 11 blocks of Type-III, 8 blocks of Type-IV and 2 blocks of Type-V houses. Also there is a provision of servant houses with Type-IV and V houses. Thus total of 74 blocks. Each house has been designed with 2 or 3 bedrooms, kitchen, toilets, staircase, stilt and lift as per revised norms. The complex is proposed to provide about 1656 dwelling units to house persons @ 209 persons per acre.

Besides the houses, other infrastructure comprising of a community centre, a dispensary, a gurudwara, mandir, a shopping complex, substation, a school building,

security posts, Sewage Treatment Plant have been planned in the campus as per Zoning Plan from Department of Urban Planning, Chandigarh Administration.

1. Water Management: Average water requirement for the proposed project (including the domestic use) will be 129 KLD during construction phase and 1328 KLD during the operation phase, waste water generation would be 842 KLD which is treated in in-house STP of 1000 KLD. Total treated water of approx 674 KLD will be reused for flushing, horticulture, and DG cooling purposes.
2. Rain Water Harvesting: Total of 12 RWH Pits will be made to recharge the ground water table. Two underground water tanks of sizes (80 x 40 x 10+2 feet and 56 x 30 x 10+2 feet) have been proposed in the campus. Water conservation practices and rainwater harvesting plan will be implemented (as per guidelines) to conserve the resources.
3. Noise Management: Noise level will be maintained by installing acoustically enclosed DG sets and keeping the DG sets in acoustically treated room on surface. For traffic noise, plantation will be provided to act as noise barrier. Insertion loss will be maintained upto 25 dB(A).
4. Solid Waste Management: During operation phase waste generated is to the tune of 4500 Kg/day, out of which 60% is biodegradable, 35% is Non biodegradable while 5% is hazardous which includes medical waste also. Approx. 7.2 Ltr/day used oil will be generated from the DG sets which will be kept in an isolated area and in leak proof container and will be given to authorized recycler and approx 12 Kg/day of electronic waste will be given to approved vendor of CPCC.
5. Energy Requirements: The calculated power load of ~ 4700 KW, will be provided by Electricity Department, Chandigarh whereas during construction phase power failure requirement will be met through silent generators of 500 KVA capacities and during operation phase by 8 silent generators of capacity 500 KVA each.
6. Tree Felling and Plantation: As per the detailed survey plan of trees at site, a total of 3728 trees fall in the area. Out of which 741 small & medium trees likely to be felled, whereas 2941 (small & medium) trees will remain undisturbed. Therefore, a compensatory plantation of 5 times the number of trees to be felled will be undertaken inside the campus or nearby areas.

After detail deliberations, the authority unanimously resolved to grant environment clearance to the project proponent subject to the conditions imposed by the State Expert Appraisal Committee, Chandigarh (UT), in its recommendations conveyed vide letter dated 06.04.2017 and additional conditions as given below :

- The construction of 52 Rain Water Harvesting pits was earlier submitted by the project proponent, which was, however reduced as per the advice of SEAC to 12, therefore the installation of 12 Rain Water Harvesting pits is recommended.
- For Energy conservation measures, installation of LED lights only, should be the integral part of the project design.

- The roof area should be designed in such a way so that adequate space is made available for the installation of Solar Photovoltaic Power Plants (SPVs) and Solar Water Heaters, as a measure for renewable energy promotion.
- Instead of individual water tanks for each houses, a common overhead Water tank should be constructed inside the campus for water supply to the whole campus, so that enough roof area can be available for promotion of solar energy.

The meeting ended with the vote of thanks to the chair.



Prof. Virender Kumar Rattan

Member



Sh. Santosh Kumar

Member Secretary



Sh. Khazan Singh

Chairman

7-4-17