
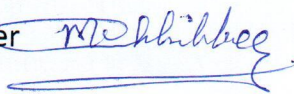
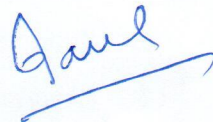



MINUTES OF MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE, CHANDIGARH (UT) HELD ON 18TH April 2018 AT 12:30 PM, IN THE CONFERENCE HALL, 2ND FLOOR, PARYAVARAN BHAWAN, SECTOR 19 B, CHANDIGARH TO APPRAISE THE ENVIRONMENT CLEARANCE OF THE PROJECT, NAMELY:

“Construction of 492 Flats under General Housing Scheme, Sector 53, Chandigarh by Chandigarh Housing Board, Chandigarh: P. No. SIA/CH/NCP/71731/2017”

A meeting of State Expert Appraisal Committee, Union Territory, Chandigarh was held on 18th April 2018 at 12:30 AM, in the conference hall, 2ND Floor, Paryavaran Bhawan, Sector 19 B, Chandigarh under the chairmanship of Sh. Suresh Chand Jain. Following is the list of members SEAC, Chandigarh (UT) present in the meeting:-

- | | | |
|---|------------------|---|
| 1. Sh. Malvinder Singh,
10-GILL Enclave, Near Hira Nagar,
Patiala-147001 | Member | |
| 2. Prof. Amrik Singh Ahluwalia,
Department of Botany,
Punjab University, Chandigarh | Member |  |
| 3. Sh. Mewa Singh Chhibber (IFS)
#2044, Sector 21/C,
Chandigarh | Member |  |
| 4. Dr. Sanjay Sharma
Professor, Department of Civil Engineering
NITTR Campus, Sector-26, Chandigarh | Member |  |
| 5. Dr. Yogesh Kumar Rawal
Assistant Professor, Department of Zoology
Panjab University, Chandigarh | Member | |
| 6. Sh. Naval Kishore
Professor, Department of Geology
Punjab University, Chandigarh | Member | |
| 7. Sh. Vivek Pandey
Scientist 'SD'
Department of Environment
Chandigarh Administration | Member Secretary |  |

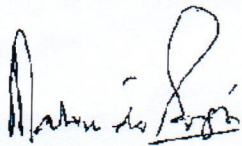
Sh. Ajay Grover, S.E. & Sh. Jasvinder Singh, E.E., Chandigarh Housing Board along with the team of officers and the project consultant Er. Sandeep Garg was present before the Committee on behalf of Chandigarh Housing Board, Chandigarh for making presentation of the project.

The Member Secretary, SEAC Chandigarh apprised the committee members about brief of the project. A detailed presentation of the project was delivered by Er. Sandeep Garg and the environmental parameters regarding the project were discussed with the project proponent. After detailed deliberations, the committee recommended the following changes/modifications/suggestions to be incorporated in the project and to re-discuss the project in the next meeting:

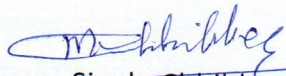
1. The depth of water table at the project site/area should be rechecked, so as to assess the possibility for the safe disposal of rooftop rainwater in the ground water strata and also, in order to find out the possibility of any water accumulation in the area as the water table has been shown to be high.
2. Ground water recharge should be done only using the Roof-top rain water harvesting.

3. The ground water recharge using the rain water harvesting pits should be done deep enough up to the sandy aquifer below the water table and number of Rain Water Harvesting pits should be decided/intimated as per NBC 2016. It will be desirable that each block should have its own RWHS in order to avoid any blockage / overflowing.
4. For house hold solid waste collection, the provision of Chute System should be provided in the project in order to avoid door-to-door collection; alongwith the installation of Mechanical Composting plant/s.
5. Installation of Sewage Treatment Plant is mandatory for the project to treat the waste water generated at site effectively as mandated by Hon'ble NGT, New Delhi for projects having area more than 10,000 m².
6. Installation of Dual Piping System is recommended for the project, so as to make use of treated water for flushing/gardening/cleaning etc. It is worthwhile here to add that a water storage tank shall be provided to regulate the flow of treated wastewater to CETP / for flushings / gardening / cleaning etc.
7. It is recommended to make use of Tertiary treated water during construction phase.
8. Instead of felling, it is recommended to transplant the existing trees, as much as possible.
9. Plantation of endemic plant species such as Triveni [Peepal (Ficus religiosa), Neem (Azadiracta indica) and Bohar (Ficus benghalensis)], and Kalpavriksha (Adansonia Digitata), should be preferred in the green spaces and for compensatory tree plantation.
10. Please submit detailed plan with respect to the generation and management of:
 - E-Waste, Hazardous waste, Construction & Demolition waste & Biomedical Waste
11. Please submit detailed plan of Municipal Solid Waste Management as per Rule 4(6), 4(7) etc. of Solid Waste Management Rules, 2016.
12. The guidelines of National Building Code of India 2016 (NBC 2016) should be followed in the design and construction of the project including energy management & construction material.
13. Installation of Solar Photovoltaic's (SPVs) is recommended for the project to make use of renewable energy. Please specify the proposed capacity of installation.

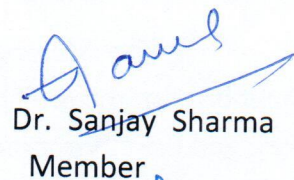
The meeting ended with the vote of thanks to the chair.



Sh. Malvinder Singh
Member



Sh. Mewa Singh Chhibber (IFS)
Member



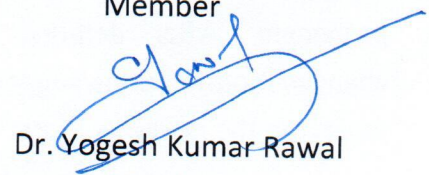
Dr. Sanjay Sharma
Member



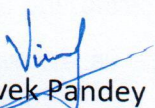
Prof. Amrik Singh Ahluwalia
Member



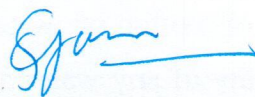
Dr. Naval kishore
Member



Dr. Yogesh Kumar Rawal
Member



Sh. Vivek Pandey
Member Secretary



Sh. S.C. Jain
Chairman