

6. Flow Meters should be installed to monitor consumption of fresh water as well as treated water and logbook for these flow meters be maintained in a regular manner. Flow Meters shall be installed at Inlet of STP, outlet of STP, inlet of flushing tanks, inlet of cooling water tanks and reuse line for horticulture purposes.
7. Project proponent should provide the fixed pipelines for proper distribution of excess treated waste water reuse for horticultural in nearby area.
8. Minimum 1 tree for every 80 Sq. Mt of plot area should be planted within the project site in accordance with the landscape plan submitted.
9. Solar Photovoltaic (SPV) system should be installed to reduce use of conventional source of energy. Minimum 60% of Roof top of the building as well as other exposed area such as parking sheds should be utilized for installation of Solar Panels/ SPV system.
10. Only LEDs should be used.
11. Green building norms should be followed with a minimum 3 star GRIHA rating and Gold rating should be followed up.
12. Total capacity of DG sets should not exceed 50% of the total load.
13. Construction & Demolition waste should be disposed of at authorized C&D waste processing unit.
14. Minimum 9m high boundary should be provided all around the project site before the start of construction.
15. During the Construction Phase for control of air pollution all precautionary measures should be ensured in compliance of Hon'ble National Green Tribunal order dated 4.12.2014 & 10.04.2015 in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & ors.
16. Project proponent shall be responsible for establishment, operation and maintenance of all common facilities and also for compliance of EC conditions during operation stage.
17. In view of MoEF&CC Office Memorandum No. 21-270/2008-IA.III dated 19.06.2013 read with MoEF&CC Office Memorandum No. 22-154/2015-IA.III dated 10.11.2015, this environmental clearance is granted focusing only on the environment concerns. The project will be regulated by the concerned local Civic Authorities under the provisions of the relevant provisions of the extant MPD-2021, Building Control Regulations and Safety Regulations.

be fed into the system for cooling, flushing and for horticulture purposes, green etc. and shall include reports regarding the use of such water on daily basis.

2. The quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Delhi Pollution Control Committee, State Level Environment Impact Assessment Authority & Regional Office, MoEF&CC along with six monthly Monitoring reports.
3. The treated wastewater shall be recycled and reused for Cooling, flushing & for Horticulture/ landscape purposes to reduce the demand of fresh water as committed.
4. The Operation and Maintenance of STP shall be made in the MoU with STP supplier. Project Proponent shall ensure regular operation and maintenance of the STP.
5. Rain water harvesting, as per plan submitted, for roof top run-off and surface run-off 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 DDA/DWA. No wastewater (such as sewage, trade effluent, backwash of treatment unit, floor washing wastewater etc) should be discharged into the rainwater harvesting structure in order to avoid groundwater contamination.
6. The ground water draw from existing/proposed bore well during construction and operation phase should be done only with the prior permission of DIB. The ground water level and its quality should also be monitored regularly.
7. The position/location of the STP, DG Sets & other Utilities etc. installed by the project proponent as per the provisions made in the layout plan, should not be changed later-on under any circumstances.
8. 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 and for water conservation.
9. Separation of 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.
10. All the pipelines carrying water/ waste water should be distinguished using colour coding on raw & potable water pipes, grey water, black water, reuse lines of treated water for flushing, cooling & Horticulture etc.

18. This Environmental Clearance is subject to the condition that concerned local civic agencies will give the permission for use/ occupation of the building only after the written assurance of DJB/ New Delhi Municipal Council / other such local civic authority (as the case may be) regarding supply of adequate water for the residents/ occupants.
19. Grant of environmental clearance does not necessarily implies that water/ power supply shall be granted to the project and that their proposals for water/ power supply shall be considered by the respective authorities on their merits and decision taking.
20. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of the clearance from water/ power supply angle shall be entirely at the cost and risk of the project proponent and SEAC/SEIAA, Delhi shall not be responsible in this regard in any manner.

PART B – GENERAL CONDITIONS:

1. The project proponent should prominently advertise in at least two local Newspapers widely circulated in the region indicating that the project has been awarded Environmental Clearance and copy of clearance is 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 and a copy of the same should be forwarded to the Regional Office of MoEF&CC and SEIAA-Delhi.
2. The project proponent should submit copy of Environmental Clearance to the Heads of Local Authorities / Government Departments / relevant officers at Government and in turn has to display the same for 30 days from the date of receipt. The clearance letter shall also be put on the website of the Company by the proponent.
3. The environmental 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.
4. Officials from Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India/ State Level Environment Impact Assessment Authority / 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.

Area details: The total plot area of the project is 18104 sq.m. The total built-up area is 60311.385 sq.m. The project comprises of 3 number of towers which consists of 2 levels basement, 1 Stilt Level +12-13 floors. The total permissible FAR is 30298 sq.m and achieved FAR will be 30134.9 sq. m. The permissible ground coverage is 5974.32 sq.m. The proposed ground coverage is 3372 sq.m. The total basement area will be 20706 sq.m. Maximum height of the proposed building is 49.6 m and permissible height as per approval of AAI is 49.6 m.

Water details: During construction phase, total water requirement is 106 KLD and during operational phase water requirement is 393 KLD. The source of water supply during construction phase and during operational phase will be Delhi Jal Board. During operational phase waste water generation of 314 KLD will be treated in onsite STP of 400 KLD capacity through MBBR technology. Total 251 KLD of treated waste water will be recycled (118 KLD for flushing 22 KLD for gardening and excess 111 KLD will be used for gardening of nearby parks). Number of RWH pits proposed are 3.

Solid waste: About 1012 kg/day of municipal solid waste will be generated. The biodegradable waste 661.93 kg/d and 349.6 kg/d non-biodegradable waste will be handed over to Municipal Corporation.

Power: The total power requirement is 2345 kVA and will be met from BSFS Delhi. 2 number of DG sets of total capacity 320 kVA each has been proposed for backup. Proposed energy saving measures would save about 0.33 % of total power requirement.

Parking facility: The total parking facility of 760 ECS is proposed.

Eco-Sensitive areas: The shortest aerial distance of the project from Yamuna River is about 27.2 Km and from Gurgaon Airport is about 15 Km respectively.

Plantation: The total no. existing trees are NIL. Total numbers of new trees to be planted are 251.

Cost of the project: The cost of the project is Rs140 Cr.

The requirements of the project have been taken into account by SEAC during the appraisal of project. The SEIAA took account of the discussions and environmental conditions imposed during the consideration of the project in the SEAC meetings held on 27.02.2016 & 16.04.2016.

The State Level Environment Impact Assessment Authority, Delhi (SEIAA-Delhi) in its 31st meeting held on 19.04.2016 hereby accords the Environmental Clearance to the above said project as per provisions of Environment Impact Assessment Notification, 2006 and its subsequent amendments, subject to the strict compliance of the terms and conditions as follows:

4. Construction spoil, 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 leak into the ground water.
5. Any harmful gas 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.
6. During the construction Phase for control of dust pollution all precautionary measure should be ensured in compliance of Hon'ble National Green Tribunal order dated 4.12.2014 & 10.04.2015 in O.A. No.21 of 2014 and O.A. No. 95 of 2014 in the matter of Vardhaman Kaushik Vs. Union of India & others and Sanjay Kulshreshtha Vs Union of India & ors.
7. Vehicles hired for bringing construction material to the site and other machinery to be used during construction 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 sand, excavated soil) before transportation to avoid fugitive emissions etc.
8. Techniques like, air extraction equipment, and covering scaffolding, nosing down road surfaces, reducing the speed of vehicle, use of covering sheets for vehicles carrying construction materials and cleaning of vehicles to reduce dust and vapour emissions. Measures should include appropriate containment around bulk storage tanks and materials stores to prevent spillages entering watercourses.
9. The Diesel Generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment Protection Act as prescribed for air and noise emission standards.
10. 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.
11. Ambient noise levels should conform to prescribed standards both during day and night. Adequate measures should be made to reduce ambient air and noise level during construction and operation phase, so as to conform to the norms stipulated by CPCB/DPCC. Ambient air and noise monitoring should be done by an accredited lab and data should also be submitted, on six monthly bases, with DPCC & Regional Office of MoEF&CC. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.
12. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended to date.

The project proponent shall operate and maintain the installed Sewage Treatment Plant to achieve the Permissible discharge condition & treated effluent shall conform to the norms and standards prescribed by Delhi Pollution Control Committee.

4. The project proponent shall properly maintain the installed electromagnetic flow meters and the quantity of fresh water usage and water recycling shall be measured and recorded to monitor the water balance. The record shall be submitted to the Delhi Pollution Control Committee, State Level Environment Impact Assessment Authority & Regional Office, MoEF&CC along with six monthly Monitoring reports.
5. The ground water drawl from existing/proposed bore well should be done only with the prior permission of DJB.
6. Rainwater harvesting system shall be properly maintained and kept functional and periodical cleaning of the same shall be undertaken specifically including the period before onset of the monsoon.
7. Incremental pollution loads on the ambient air quality, noise, stack and water quality should be periodically monitored.
8. Thick green belt of the adequate width and density with local species, as per plan submitted, shall be maintained.
9. Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. Parking should be fully implemented and no parking should be allowed.

V. OTHER SPECIFIC CONDITIONS:

1. Treated water of DJB STP should be used for construction purposes upto the maximum extent possible.
2. Packaged/ mobile STP shall be provided for labour camp during construction phase.
3. Ground water should be extracted only after the permission from DJB.
4. Boring for Rain Water Harvesting system should not be permitted/ done before completion of structure work.
5. STP of MBBR Technology should be adequate to treat the waste water so that BOD level should not exceed 10 mg/l in treated water.

PART A - SPECIFIC CONDITIONS:

1. PRE-CONSTRUCTION PHASE:

1. The Project Proponent shall obtain all other necessary requisite clearances/ permissions from concerned authorities/ agencies before commencement of work.
2. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
3. A first aid room to be provided in the project both during construction and operation phase of the project.
4. The 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.
5. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
6. 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.

II. CONSTRUCTION PHASE:

The Project Proponent shall ensure that the guidelines issued by Ministry of Environment, Forests & Climate Change (MoEF&CC), vide OM No. 19-2/2013-IA.III dated 09.06.2015, to be followed for building and construction projects to ensure sustainable environmental management in pursuance of Notification No. 3252 (E) dated 22. 12.2014 under the EIA Notification, 2006, as applicable, are followed in this project.

2. All the top soil excavated during construction activities should be stored for horticulture/landscape development within the project site.
3. Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed off after taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. The Rules on the Solid Waste Management including Construction waste issued by MoEF&CC as amended will be applicable.

12. Utilization of Diesel power generating sets is subject to power failure condition only. The D/G sets should be of enclosed type, low sulphur diesel run and conform to rules made under the Environment (Protection) Act, 1986. The D/G sets should be subjected to periodic noise and stack monitoring. Waste used diesel should be stored and managed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
13. Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
14. Energy Conservation measures such as solar lighting for common areas, solar water heating system, LEDs for lighting of areas, signage, solar inverters etc should be adopted.
15. Used CFLs/ LEDs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority.
16. 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 a copy to Ministry of Environment & Forests, Regional Office, Lucknow and DPCC in three months time with intimation to SEIAA.
17. Thick green belt of the adequate width and density with local species, as per plan submitted, shall be raised along the periphery of the plot, so as to provide protection against particulates and noise. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety.
18. 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.

IV. ENTIRE LIFE:

1. The project proponent will be responsible for the operation, maintenance and implementation of environmental safeguards for the project.
2. Environmental Management Cell shall remain functional to supervise and monitor the environment related aspects of the project.

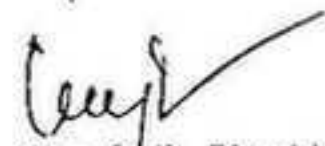
5. A complete set of all the documents submitted to SEAC should be forwarded to Regional Office, Ministry of Environment, Forest and Climate Change, Government of India and Project Monitoring Committee.
6. In the event of any changes in the scope of the project, the project would require a fresh appraisal by the SEAC and approval of SEIAA.
7. The project proponent shall comply with the notifications and court orders issued time to time regarding use, sale and storage of all kinds of plastic bags.
8. E-waste generated in the complex should be managed as per E-Waste (Management) Rules, 2016.
9. Hazardous waste should be disposed off as per Rules applicable.
10. The solid waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Solid Waste Management Rules, 2016. No municipal waste should be disposed off outside the premises. Adequate measures should be taken to prevent odour problem.
11. Adequate ventilation should be provided in the basements and the concentration levels of Carbon Dioxide, Carbon Monoxide should be monitored periodically and be reported in periodical compliance reports to be submitted.
12. 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, in case of violation of the stipulations of the EIA Notification, 2006 in a systematic and satisfactory manner.
13. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project and decisions of any Competent Court, to the extent applicable.
14. 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.
15. 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.

16. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.
17. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard & soft copies) to Regional Office, Ministry of Environment, Forests & Climate Change, Govt. of India, SEIAA-Delhi and Delhi Pollution Control Committee.
18. This environmental clearance will be valid for a period of Seven years from the date of its issue.
19. It will be the responsibility of the project proponent to obtain prior clearances/approval & ensure compliances under all other relevant Acts/ Rules/ Regulations/ guidelines/ instructions/ Court Orders/Tribunal Orders as applicable to this project before starting of the project.
20. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(Dr. S. D. Singh)
Member Secretary
SEIAA-Delhi

Copy to:

1. Sh. Krishan Mohan Sahni, Chairman, State Level Environment Impact Assessment Authority-Delhi, 38, Pocket-2, Jasola Vihar, New Delhi.
2. The Secretary (Environment)-cum-Chairman (DPCC), Department of Environment, Govt. of NCT of Delhi, Secretariat Building, 6th Level, C-Wing, I.P. Estate, New Delhi-02.
3. The Vice Chairman, DDA, Vikas Sadan, INA, New Delhi.
4. The Commissioner, South Delhi Municipal Corporation, 4th floor, Dr. S.P.M. Civic Centre, JLN Marg, New Delhi-02
5. The Additional Principal Chief Conservator of Forests (C), Regional Office (Central), Ministry of Environment, Forests & Climate Change, Govt. of India, Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow-226024, Uttar Pradesh.
6. The Director, Impact Assessment Division, Monitoring Cell, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jorbagh, New Delhi-110003.


(Dr. S. D. Singh)
Member Secretary
SEIAA-Delhi

STATE ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY (SEIAA)-
DELHI

OFFICE OF DELHI POLLUTION CONTROL COMMITTEE
5th Floor, ISBT Building, Kashmere Gate, Delhi-110006
visit us at : <http://dpcc.delhi.govt.nic.in>

F.No. DPCC/SEIAA-III/C-302/DL/2016/ 3449-3455

Dated: 29/04/2016

Environmental Clearance No.: SEIAA-D/ C302/EC-329/2016.

To,

The Executive Engineer, WD-8
Delhi Development Authority,
Central Nursery, Sector-5,
Dwarka, New Delhi- 110 075.

Sub: Environmental Clearance for "Proposed Construction of Multistoried 2 bedroom housing at Pocket 2, Sector 16(B), Dwarka, New Delhi" by Delhi Development Authority.

This has reference to your application submitted in Online Submission & Monitoring of Environmental Clearances (OSMEC) Portal of MoEF&CC, GOI vide Proposal No. SIA/DL/NCP/33667/2015 and accepted by SEIAA-Delhi for seeking Environmental Clearance under Environmental Impact Assessment Notification dated 14.09.2006 amended as on date for "Proposed Construction of Multistoried 2 bedroom housing at Pocket 2, Sector 16(B), Dwarka, New Delhi" by Delhi Development Authority and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) for seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised in the meetings of SEAC as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the documents submitted with the application viz., Form-1, I-A, conceptual plan and the additional clarifications furnished in response to the observations of the State Level Expert Appraisal Committee.

It is inter-alia noted that the proposal is for the grant of Environmental Clearance for "Proposed Construction of Multistoried 2 bedroom housing at Pocket 2, Sector 16(B), Dwarka, New Delhi" by Delhi Development Authority. The project is located at Latitude : 28°36'9.52"N and Longitude: 77°1'21.13"E.



13. Ready Mix Concrete must be used in building construction.
14. Water demand during construction should be reduced by use of precast concrete, curing agents and other best practices preferred.
15. Proponent shall obtain prior permission for ground water withdrawal from Delhi Jal Board in compliance or notification dated 12.07.2010.
16. 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.
17. Construction/provision of the STP, DG Sets, Utilities etc, earmarked by the project proponent on the layout plan, should be made in the earmarked area only. In any case the position/location of these utilities should not be changed later-on.
18. Health and safety norms of CPWD should be followed during construction.
19. 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 quarterly basis for inclusion in the six monthly report.
20. Adequate steps shall be taken to conserve energy by limiting the use of glass up-to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glaze with special reflective coating in windows, provision of proper thermal insulation and taking measures as prescribed under the Energy Conservation Building Code.
21. Energy Conservation Building Code to be strictly adopted in all aspects of building design and construction.
22. Regular removal of the sludge and other measures for maintaining should be in place all through the construction phase, so as to avoid disturbance to all surroundings.

III. OPERATION PHASE

1. The Zero wastewater discharge condition to be achieved with installation of on-site Sewage Treatment Plant & treated effluent shall conform to the norms and standards prescribed by Delhi Pollution Control Committee. The STP should be certified by an independent expert and adequacy report in this regard should be submitted to Delhi Pollution Control Committee & State Level Environment Impact Assessment Authority before the project is commissioned for operation. Necessary measures should be made to mitigate the odour problem from STP.
2. The project proponent shall provide electromagnetic flow meter at the inlet & outlet of the water supply, Inlet & outlet of the STP and any pipeline to be used for re-using the treated wastewater