

F.No.21-91/2017-IA-III  
Government of India  
Ministry of Environment, Forest and Climate Change  
(IA.III Section)

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 9<sup>th</sup> May, 2017.

To,

The Exécutive Director,  
M/s Kamrup Housing Projects Pvt Ltd,  
L1/7, Hauz Khas Enclave,  
**New Delhi** – 110016

Email : [Vineet.kumar@kamruphousing.com](mailto:Vineet.kumar@kamruphousing.com)

**Subject: Expansion of Group Housing Complex 'Durva Greens' at Plot No. GH-08A, Sector- Chi-V, Greater Noida (Uttar Pradesh) by M/s Kamrup Housing Projects Pvt Ltd - Environmental Clearance - reg.**

Reference: Your online proposal No. IA/UP/NCP/62940/2017 dated 3<sup>rd</sup> March, 2017.

Sir,

This has reference to your online proposal No IA/UP/NCP/62940/2017 dated 3<sup>rd</sup> March, 2017, submitting the above proposal to this Ministry for grant of Environmental Clearance (EC) in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

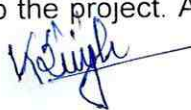
2. The proposal for **Expansion of Group Housing Complex 'Durva Greens'** at Plot No. GH-08A, Sector- Chi-V, Greater Noida (Uttar Pradesh) promoted by M/s Kamrup Housing Projects Pvt. Ltd, was considered by the Expert Appraisal Committee (Infra-2) in its 15<sup>th</sup> meeting held on 12-14 April, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting, are under:-

- (i) The project involves expansion of Group Housing Project 'Durva Greens' at Plot No. - GH-08A, Sector - Chi-V, Greater Noida, Uttar Pradesh by M/s Kamrup Housing Projects Pvt Ltd. The project will be located at Latitude- 28°25'53.26"N and longitude- 77°30'23.02"E.
- (ii) Environmental Clearance has been obtained from SEIAA, U.P. vide letter No. 683/Env/SEAC/ 1052/AD(Sh)/2011 dated 30.03.2012 for built up area 34022.701 sqm. Due to change in FAR, Built-up area will increase from 34022.701 sqm to 41792.324 sqm. Structural work is completed and finishing work is going on as per Environmental Clearance granted.
- (iii) The total plot area is 10000.37 sqm. The project will be comprise of various activities Dwelling Unit, Aganwadi, Community Hall, Club, Shopping area, Sr. Citizen area, Children area, Driver resting area. The Total FAR of the proposed complex after expansion will be 34898.203 sqm. The total built-up area after expansion will be 41792.324 sq m. Maximum height of the building will be 55.93 m.



- (iv) During the construction of the proposed project, the water shall be supplied from treated water of STP and the same will be maintained after expansion.
- (v) The total water requirement after expansion will be 97 KLD. The source of water will be Municipal Supply. The total waste water generation will be 71 KLD. The waste water shall be treated through Sewage Treatment Plant (STP) of total capacity 85 KLD. 40 KLD treated water will be reused in flushing, DG cooling, Miscellaneous & gardening purposes.
- (vi) Approximately 414 kg/day solid waste generated out of which 290 Kg/day will be biodegradable waste shall be treated in Organic waste converter within the complex & 124 kg/day recyclable waste will be given to approved Recycler. Approx. 18 litres/month used oil will be generated from the DG sets which shall be kept in an isolated area and in leak proof container and shall be given to authorized recycler as per Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016. Approx. 2 kg/month E-waste will be generated & being given to approved vendor of SPCB as per E-waste Rules, 2016.
- (vii) The total power requirement during construction phase will be met by obtaining temporary connection and for backup, DG set will be kept of 125 KVA and total power requirement during operation phase will be 1582 KW which will be provided by UP State Electricity Board. D.G. Set of capacity 3 X 600 KVA shall be installed.
- (viii) Rainwater of buildings will be collected and 1 No. of RWH pits shall be provided for storm water recharging to ground.
- (ix) Adequate parking provision shall be provided in the project of 349 ECS as Basement parking (Mechanical Parking), & stilt parking.
- (x) Energy Conservation measures
  - Energy efficient motors and pumps should be used to conserve the electrical energy & to minimize the consumption of non-renewable fuel.
  - Solar fed LED/ CFL lights shall be used for street lighting.
  - Solar water heaters of adequate capacity shall be installed to meet hot water requirement of the kitchen (35 liter/kitchen)
  - The DG sets shall be automatically controlled to optimize the usage based on the actual load requirement at any given time.
  - Transformer will be having efficiencies as per ECBC Norms.
  - Guidelines will be given to individual flat owner regarding use of LED, T5 lamps & energy efficient gadgets only to conserve energy.
- (xi) No eco-sensitive area lies within 10 km radius. Okhla Bird Sanctuary- 22.6 Km NW, Asola Wildlife Sanctuary- 18.0 Km WSW.
- (xii) There is no court case pending against the project.
- (xiii) **Investment/Cost of the project** -Rs. 75 Crores.
- (xiv) **Employment potential** – Labourers during construction phase 100 no. and about 50 personnel as staff during operation phase.
- (xv) **Benefits of the project:** Infrastructure development of the area.

4. The EAC, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC,





the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project **Expansion of Group Housing Complex 'Durva Greens'** at Plot No. GH-08A, Sector- Chi-V, Greater Noida (Uttar Pradesh) promoted by M/s Kamrup Housing Projects Pvt Ltd, under the provisions of the EIA Notification, 2006 and amendments/ circulars issued thereon, and subject to the specific and general conditions as under:-

**PART A – SPECIFIC CONDITIONS:**

**I. Construction Phase**

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work.
- (ii) All the construction shall be done in accordance with the local building byelaws.
- (iii) Construction site shall be adequately barricaded before the construction begins.
- (iv) In any case no sewage/treated effluent from the project site shall be discharged into nearby lake/pond.
- (v) The building envelope for all air conditioned buildings/ spaces shall be complied with the ECBC. Roofs and opaque walls shall comply with the maximum assembly U factor or the minimum insulation R-value as well as lighting systems and equipment shall comply with the provisions of Energy conservation building Code.
- (vi) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (vii) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- (viii) Sewage shall be treated in the STP based on MBBR technology (with tertiary treatment i.e. Ultra Filtration). The treated effluent from STP shall be recycled/re-used for flushing, cooling tower make up, horticulture & DG cooling.
- (ix) Wherever feasible, efforts shall be made to provide recharge pits instead of rain water storage tanks. As proposed 01 Rainwater Harvesting recharge pits shall be provided as per CGWA approved designs.
- (x) Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. As suggested approx. 60 m<sup>2</sup> of area for the proposed building shall be provided for solid waste management within the premises which will include area for segregation, composting etc. The inert waste from project will be sent to dumping site of Municipality. E-waste shall be disposed through authorized E-waste processor/re-cyclers.



- (xi) Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- (xii) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xiii) Separate entry and exist shall be provided.
- (xiv) The project proponents shall tie up with the local authorities and the Forest Department for reuse of treated effluents in road side plantation.
- (xv) All the top soil excavated during construction activities shall be stored for use in horticulture/ landscape development within the project site.
- (xvi) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xvii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xviii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xix) As proposed, no ground water shall be used during construction/ operation phase of the project.
- (xx) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- (xxi) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xxii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- (xxiii) Ambient noise levels shall conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
- (xxiv) Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27<sup>th</sup>



August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.

- (xxv) All fixtures, appliances and energy saving devices shall be indigenously manufactured, use of foreign make goods should only be provided when indigenous goods are not available and with the permission of the Board of Directors.
- (xxvi) The project proponent shall also comply with conditions stipulated at Annexure-XIV of the amended EIA Notification dated 09.12.2016 and seek the approval of the CGWA before any dewatering for basements.

## **II. Operation Phase**

- (i) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- (ii) Fresh water requirement from Municipal authority shall not exceed from 97 KLD as proposed.
- (iii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (iv) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- (v) No sewage or untreated effluent water would be discharged through storm water drains.
- (vi) Solid waste shall be collected, treated and disposed in accordance with the Solid Waste Management Rules, 2016.
- (vii) Rain water harvesting structure for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended mater, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
- (viii) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power.
- (ix) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be

properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

- (x) The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise. Recreational ground area shall be provided as per norms.

#### **PART B - GENERAL CONDITIONS**

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Lucknow who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Lucknow.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Lucknow.





- (ix) 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.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
- (xiii) This issues with the approval of the Competent Authority.

  
 (Dr. Vinod K. Singh)  
 Scientist D

**Copy to:**

- 1) The Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow
- 2) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 3) The APCCF (C), MoEF&CC, Regional Office (CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H', Aliganj, Lucknow - 20
- 4) The Member Secretary, Uttar Pradesh Pollution Control Board, PICUP Bhavan, 3<sup>rd</sup> Floor, Vibhuti Khand, Gomtinagar, Lucknow.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.

  
 (Dr. Vinod K. Singh)  
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