

F.No.21-111/2017-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: 11<sup>th</sup> October, 2019

To,

**M/s DLF Home Developers Ltd**  
DLF Center Sansad Marg,  
New Delhi - 110001  
E Mail: [dlfhomes070416@gmail.com](mailto:dlfhomes070416@gmail.com)

**Subject: "Group Housing (SIEL)" at Shivaji Marg, Delhi by M/s DLF Home Developers Ltd - Environmental Clearance - reg.**

Sir,

This has reference to your online proposal No. IA/DL/MIS/97563/2008 dated 23<sup>rd</sup> April, 2019, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project "Group Housing (SIEL)" at Shivaji Marg, Delhi by M/s DLF Home Developers Ltd, was considered by the Expert Appraisal Committee (Infra-2) in its 41<sup>st</sup> meeting held during 27-29 May, 2019. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

- (i) The project will be located at Latitude 28°39'59.60" N and Longitude 77° 9'39.52" E.
- (ii) The Project is Expansion. The project had already been granted Environmental Clearance for the development of DLF Tower (IT Offices, Retail Shopping + Hotel Complex) vide letter No. 21-277/2008-IA.III dated 19.01.2009. The Environmental Clearance was granted on plot area of 1,00,686 sqm and built up area of 4,30,789.322 sqm. One block (Commercial) was constructed with Built-up area of 66923.26 sqm and is operational.
- (iii) Standard Terms of Reference was granted vide letter F.No.21-111/2017-IA-III dated 02.06.2017. Amendment in ToR was granted vide letter F.No.21-111/2017-IA-III dated 22.4.2019.
- (iv) The total plot area after expansion is 1,00,686 sqm, the total FAR & total Free from FAR area will be 473910.06 sqm after expansion and total construction (Built-up) area of 10,00,726.78 sqm. The project will comprise of 7 blocks/buildings. Total number of residential dwelling units will be 2900 numbers & EWS units will be 1862 numbers. Maximum height of building will be 179.22 m. The details of the building are as follows-

S. No.	Particulars	Units	As per Earlier Environmental Clearance dated 19.01.2009	Existing	Proposed	Total after Expansion
1.	Cost of Project	Rs.	916.63	82.73 Crore	2965.29	3048.02 Crore
2.	Plot Area	sqm	100686.00	100686.00	NIL	100686.00
3.	Area under road widening	sqm	8729.81	NIL	8729.81	8729.81
4.	Net Plot Area	sqm	91956.19	91956.19	NIL	91956.19

5.	G.C (Permissible)	sqm	40274.40	-	33528.44	33528.44
6	G.C (Ach/Proposed)	sqm	35270.99	5812.21	27716.23	33528.44
7.	F.A.R (Permissible)	sqm	226543.50	-	402744.00	402744.00
8.	<b>FAR</b>					
	FAR of Main DU	sqm	-	-	342332.40	342332.40
	FAR of Commercial including Required PSP	sqm	-	-	60411.60	60411.60
	F.A.R (Ach/ proposed)	sqm	226269.63	38956.75	363787.25	402744.00
	<b>FREE From FAR</b>					
	Community Hall/ Club	sqm	-	-	2416.46	2416.46
	CSP/EWS	sqm	-	-	68649.60	68649.60
	Swimming Pool Services	sqm	-	-	100.00	100.00
	Total free from FAR	sqm	-	-	71166.06	71166.06
	<b>Total FAR Achieved/proposed (FAR +FAR free area) -A</b>	sqm	<b>226269.63</b>	<b>38956.75</b>	<b>434953.31</b>	<b>473910.06</b>
9.	<b>Basement Area- B</b>	sqm	<b>204519.69</b>	<b>27966.51</b>	<b>248504.00</b>	<b>276470.51</b>
10.	<b>Stilt &amp; Podium- C</b>	sqm	-	-	<b>118700.00</b>	<b>118700.00</b>
11.	<b>Other Non-FAR Area- D</b>	sqm	-	-	<b>131646.21</b>	<b>131646.21</b>
12.	<b>Built-up Area (A+B+C+D)</b>	sqm	<b>430789.32</b>	<b>66923.26</b>	<b>933803.52</b>	<b>1000726.78</b>
13.	Green Area	sqm	33427.752	3023.00	26190.88	29213.88
14.	Total No. of Towers/Blocks	No.	4	1	6	7
15.	No. of Basement (level)	No.	-	3	4	4
16.	Height of building	m	36.9	32.8	179.22	179.22
17.	No. of DU	No.	-	-	2900	2900
18.	No. of EWS	No.	-	-	1862	1862

- (v) During the construction phase, total water requirement is expected to be 37 KLD which will be met by Tanker Supply. During the construction phase, Mobile Sewage Treatment Plant will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labour force.
- (vi) During Operational phase, total water requirement of the project is expected to be 4290 KLD and the same will be met by 2637 KLD fresh water from Delhi Jal Board and 1653 KLD recycled water. 3101 KLD of Waste water generated will be treated in STPs of total capacity 3700 KLD (250 KLD already installed + combined capacity of 3450 KLD proposed). Out of total treated water of 2790 KLD, 1653 KLD of treated water will be used in flushing (1261 KLD), gardening (223 KLD) and DG & HVAC cooling (169 KLD) purposes. Remaining 1137 KLD of treated water shall be given to DDA Park for irrigation purposes.
- (vii) About 10873 kg/day of Municipal solid waste and out of which the biodegradable waste (6524 kg/ day) shall be treated in organic waste converter and converted to manure, recyclable waste (2175 kg/day) and Plastic waste (2174 kg/day) will be delivered to authorized recycler and Used Oil of 197 lit/month shall be collected in leak proof containers at isolated place and then it will be given to approved vender of CPCB. E- Waste of 10-12 kg/month will be managed as per E-waste (Management &

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Handling) Rules, 2016. Battery waste will be generated from inverters & UPS, which shall be treated as per the Batteries (Management & Handling) Rules 2001.

- (viii) The total power requirement after expansion will be 26787 kVA. 8x2000 kVA, 5x1010 kVA, 2x500 kVA, 1x750 kVA, 1x600 kVA will be installed for back-up from which D.G. sets of capacities 3x1010 kVA & 1x380 kVA have already been installed in the commercial part. They have been installed and kept in acoustically treated room in basement with anti-vibration pads and are used during power failure only. Hence, to avoid the emissions, stack height of 6 m above roof level for each D.G. sets has been provided to reduce the air emissions, meeting all the norms prescribed by CPCB.
- (ix) Rooftop Rainwater of buildings will be collected in Total 33 Nos. of Rain water Harvesting Pits (Out of which 4 have already been installed) to recharge the ground water.
- (x) Parking facility for 8836 ECS for four wheelers and two wheelers is proposed to be provided against the requirement of 8836 ECS.
- (xi) No Eco-sensitive areas lie within 10 km radius of the project. Hence, NBWL Clearance is not required.
- (xii) Forest Clearance is not required.
- (xiii) There is no court case pending against the project.
- (xiv) Standard Terms of Reference was granted vide letter F.No.21-111/2017-IA-III dated 02.06.2017. Amendment in ToR was granted vide letter F. No.21-111/2017-IA-III dated 22.4.2019.
- (xv) Investment cost of the project is Rs. 3048.02 Crores (including Rs. 2965.29 Crores for proposed expansion).
- (xvi) Employment potential: Labourers during construction phase 1500 nos. and after amendment total staff will be 285 persons.
- (xvii) Benefits of the project: Employment opportunities provided due to the project will lead to better quality of life and will also set a standard for future developments in the area. The project will provide direct and indirect employment opportunity. The project will also enhance the infrastructure facility of the area. Corporate Environment Responsibility will also be considered for the social benefits of the society. Well connected with network of public transport, local railways and cabs. Pollution free environment with proper drainage and sewage system. Easy access to airport and local Railway Station.

3. The project/activity is covered under item 8(b) 'Township and Area Development' of the Schedule to the EIA Notification, 2006 and its amendments, and requires appraisal at State level. However, due to non-existence of SEIAA/SEAC in Delhi, the proposal is appraised at Central level by sectoral EAC.

4. The proposal was considered by EAC in its 41<sup>st</sup> meeting held during 27-29 May, 2019. During deliberation, EAC was informed that the project has earlier granted Environmental Clearance for the development of DLF Tower (IT Offices, Retail Shopping + Hotel Complex) consisting of 4 Blocks vide letter F.No.21-277/2008-IA.III dated 19.01.2009 for plot area of 100,686 sqm and built up area of 4,30,789.322 sqm. One block (Commercial) was constructed with Built-up area of 66,923.26 sqm and is operational since 2013. After that planning of the project has been changed due to permission of development of Group Housing in Industrial Plot as per MPD-2021(Gazette notification vide S.O 1215 (E) dated 13.05.2013).

The EAC deliberated on the certified compliance report letter No. IV/628/09-RO(NZ)/595 dated 22.01.2019 issued by the MoEF&CC's Regional Office (CR), Lucknow. As per the Compliance report, it is observed that PA have complied or are in process of

complying the environmental conditions stipulated for this project and the Compliance status could be treated as satisfactory.

5. The EAC in its 41<sup>st</sup> meeting held on 27-29 May, 2019, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended the project for grant of environmental clearance with stipulated specific conditions along with other Standard EC Conditions as specified by the Ministry vide OM dated 4<sup>th</sup> January, 2019 for the said project/activity, while considering for accord of environmental clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project "Group Housing (SIEL)" at Shivaji Marg, Delhi by M/s DLF Home Developers Ltd, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

**A. Specific Conditions:**

- (i) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (ii) The project proponent shall provide for adequate fire safety measures and equipment as per National Building Code/required by Fire Service Act of the State and instructions issued by the local Authority/Directorate of fire, from time to time. Further, the project proponent shall take necessary permission/NOC regarding fire safety from Competent Authority as required.
- (iii) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (iv) As proposed, fresh water requirement from Delhi Jal Board (DJB) shall not exceed 2637 KLD. Consent to Operate (CTO)/Occupancy Certificate shall be issued only after getting necessary permission for required water supply from DJB/concerned authority.
- (v) Sewage shall be treated in the STP based on Extended Aeration Technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, gardening, DG cooling & HVAC cooling purposes. Excess treated water from STP shall be given to DDA Park for irrigation purposes. No excess treated water from STP shall be discharged to municipal drain.
- (vi) The project proponents would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated waste water being used for flushing in terms of faecal coliforms and other pathogenic bacteria.
- (vii) The project proponents would commission a third party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
- (viii) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed 33 Nos. of rain water harvesting pits (out of which 4 have already been installed) shall be provided for rain water harvesting after filtration as per CGWB guidelines.
- (ix) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. 750 sqm area shall be provided for solid waste management within the premises

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which will include area for segregation, composting. The inert waste from project will be sent to dumping site.

- (x) Traffic Management Plan as submitted shall be implemented in letter and spirit. Further, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- (xi) No tree cutting/transplantation of existing trees has been proposed in the instant project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 29,213.88 sqm. (29.01% of total area) area shall be provided for green area development.
- (xii) The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
- (xiii) As per the Ministry's Office Memorandum F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, and proposed by the project proponent, an amount of Rs. 7.41 Crore (0.25% of the project cost) shall be earmarked under Corporate Environment Responsibility (CER) for the activities such as infrastructure creation for drinking water supply, sanitation and waste management, skill development, education, solar power provision, healthcare support, wayu purifier, traffic management and plantation and horticulture etc. The activities proposed under CER shall be restricted to the affected area around the project. The entire activities proposed under the CER shall be treated as project and shall be monitored. The monitoring report shall be submitted to the regional office as a part of half yearly compliance report, and to the District Collector. It should be posted on the website of the project proponent.

## **B. Standard Conditions:**

### **I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
- iv. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- v. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vi. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

- vii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

## **II. Air quality monitoring and preservation**

- i. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- ii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub>) covering upwind and downwind directions during the construction period.
- iii. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- iv. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- v. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vi. Wet jet shall be provided for grinding and stone cutting.
- vii. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- viii. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules, 2016.
- ix. 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.
- x. 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 set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xi. For indoor air quality the ventilation provisions as per National Building Code of India.

## **III. Water quality monitoring and preservation**

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.

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- iv. 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.
- v. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- vi. 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.
- vii. 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.
- viii. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- ix. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- x. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xi. All recharge should be limited to shallow aquifer.
- xii. No ground water shall be used during construction phase of the project.
- xiii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xiv. 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.
- xv. No sewage or untreated effluent water would be discharged through storm water drains.
- xvi. Onsite sewage treatment of capacity of treating 100% waste water to be installed. 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. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
- xvii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xviii. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

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#### **IV. Noise monitoring and prevention**

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone 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.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

#### **V. Energy Conservation measures**

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. 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.
- v. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi. 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. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

#### **VI. Waste Management**

- i. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
- ii. 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.
- iii. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
- iv. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.

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- v. 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.
- vi. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
- vii. 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.
- viii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
- ix. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

#### **VII. Green Cover**

- i. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

#### **VIII. Transport**

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
  - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
  - b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
- ii. 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.

#### **IX. Human health issues**

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iv. 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 the completion of the project.
- v. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

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## **X. Corporate Environment Responsibility**

- i. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

## **XI. Miscellaneous**

- i. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.



- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  - xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  - xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  - xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  - xv. Any appeal against this EC 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.
6. This issues with the approval of the Competent Authority.

  
(Dr. Subrata Bose)  
Scientist F

**Copy to:**

- 1) The Secretary, Department of Environment, Government of Delhi, New Delhi.
- 2) The Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Kendriya Bhavan, 5<sup>th</sup> Floor, Sector-H, Aliganj, Lucknow - 226024.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Delhi Pollution Control Committee, Department of Environment, Government of N.C.T. Delhi, 4<sup>th</sup> Floor, ISBT Building, Kashmere Gate, Delhi.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEFCC website.

  
(Dr. Subrata Bose)  
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