

MOEF/COMPLIANCE-REPORT-EQUINOX/2023-24/02

29th April 2024

To,
The Director(s),
Ministry of Environment and Forests,
Government of India, Regional Office (South Zone),
Kendriya Sadan, IV Floor, E 7 F wings,
17th Main Road, II Block, Koramangala,
Bengaluru – 560034.

Dear Sir/Madam,

Sub: Submission of Six-monthly compliance report (from October'2023 to March'2024) of completed construction project at Plot No.47, Sy.No. 10, Konappana Agrahara Village, Begur Hobli, Electronics City, Bengaluru - 560100.

Ref 1: Environmental clearance vide No: SEIAA 26 CON 2009. Dated: 07-01-2010

As per the requirement of the above environmental clearance, we are submitting the following half yearly reports for your perusal.

Annexure 1: Compliance report with status
Annexure 2: Ambient air quality reports
Annexure 3: Ambient noise monitoring reports
Annexure 4: DG stack monitoring reports
Annexure 5: STP water analysis reports

Kindly accept and acknowledge the receipt of the same.

Thanking you,

Yours Sincerely,

For INFOSYS LIMITED

AUTHORIZED SIGNATORY

AVP - Senior Regional Head - Facilities

INFOSYS LIMITED

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COMPLIANCE TO EC CONDITIONS For EQUINOX (SEIAA:26: Con:2009)

Ms Infosys Limited

Plot No.47, Sy.No. 10, Konappana Agrahara Village, Begur Hobli, Electronics City, Bengaluru - 560100

Part A- SPECIFIC CONDITIONS

Sl.No	EC Conditions	Compliance Status
1. Construction Phase		
1	Set up an environment management cell and ensure that the cell manages / maintains all the environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt areas, etc., and in case the commercial space is sold / leased, then enter into an agreement with the prospective buyers to ensure that they maintain the cell and take care of all environment concerns during the operation phase of the project. In addition, sufficient fees should be levied to raise a corpus fund to maintain the Environment cell.	Project construction is completed and adhered to EC conditions.
2	Appoint an Environment and safety engineer during the construction phase to take care of environment and safety aspects.	
3	The project proponent should ensure that during the construction phase utmost care is taken to ensure that there is no noise nuisance, no air and water pollution and no disturbance to the nearby inhabitants. In case of violation, the project construction activity may have to be directed to be stopped.	
4	The project proponent should cover the project site from all sides by raising sufficiently tall barricades with sheets to ensure that pollutants do not spill to the surroundings.	
5	Provide at the main entrances bell gates, which are located at least 12' inside the boundary of the project to enable smooth flow of traffic on the main road leading to the entrance.	
6	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Sufficient number of toilets/ bathrooms shall be provided with required mobile toilets, mobile STP for construction work force.	
7	A First Aid Room should be provided in the Project both during construction and operation of the project.	
8	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during construction phase should be ensured.	
9	Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures. The housing may be in the form of temporary structures to be removed after the completion of the project. The facilities shall include the creche.	



10	Provision should be made for the supply of fuel (kerosene or cooking gas); utensils such as pressure cookers etc. to the labourers during construction phase.
11	All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site and detailed report submitted to SEIAA. Safety standards as per National Building Code (NBC) should be ensured.
12	For dis-infection of wastewater which is not meant for recycling for toilet flushing, use ultra violet radiation and not chlorination . For treated wastewater meant for reuse for toilet flushing, disinfect by using chlorination .
13	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
14	Disposal of muck, construction debris during construction phase should not create any adverse effect on the neighbouring 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.
15	Soil and ground water samples should be tested at the project site during the construction phase to ascertain that there is no threat to ground water quality by leaching of heavy metals and or other toxic contaminants and report submitted to SEIAA.
16	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
17	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to E (P) Rules prescribed for air and noise emission standards.
18	Vehicles hired for bringing construction material to the site should be in good condition and should conform to the applicable air and noise emission standards and should be operated only during non-peak hours.
19	Ambient noise levels should conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.
20	Fly ash should be used as building material in the construction as per provisions of Fly ash Notification of September 1999 and amended as on August 2003.
21	Reday Mix Concrete must be used in building construction
22	Storm water control and its re-use as per CGWB and BIS standards for various applications.



23	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices Only tertiary treated water shall be used for construction as per G.O. No. FEE 188 ENV 2003 dated 14.08.2003	
24	No ground water is to be drawn without permission from the Central Ground Water Authority.	
25	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	
26	Treatment of 100% grey water by decentralized treatment should be done.	
27	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.	
28	Use of glass shall not exceed 40% of exposed area to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	
29	The provision of Energy Conservation Building code, 2006 shall be fully complied with.	
30	Roof should meet prescriptive requirement as per Energy Conservation Building Code, 2006 by using appropriate thermal insulation material.	
31	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2006 which is proposed to be mandatory for all air conditioned spaces while it is optional for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	
32	The proponent shall allocate Rs. 5 lakhs to the development of Karanji Lake of Mysore/Development of infrastructure at Bannerghatta Biological park towards the corporate social commitment made vide letter dated 02.10.2010 as committed and report be submitted to the authority.	

II. Operation Phase.

1	The installation of the Sewage Treatment Plant (STP) of total capacity 100 KLD should be carried out before the construction of the second floor of the main structure is commenced and the plant shall be got certified by an independent expert and a report in this regard should be submitted to the SEIAA immediately. Discharge of treated sewage shall conform to the norms & standards of the Karnataka State Pollution Control Board. Treated sewage should be used for flushing, gardening, etc. as proposed,	Sewage treatment plant of 80 KLD capacity is installed and commissioned to treat the generated sewage and meet the KSPCB urban reuse standard for flushing, gardening and HVAC usage.
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2	Rainwater harvesting for roof run-off with 30 Cum capacity of 02 tanks at ground level for rainwater collection and also surface run-off harvesting as per the plan submitted should be implemented. Pre-treatment must be done to remove suspended matter, oil and grease before recharging the surface run off.	Combination of Recharge pit, injection wells & de-silting pit are implemented for harvesting rainwater.
3	Ensure that the excess runoff rainwater from the greenbelt area, which is irrigated by treated water, does not get into recharge pits and contaminate the ground water. Such excess flow should be safely let in to the storm water drains.	Proper care has been taken, not to contaminate the ground water from the excess runoff rain water from the greenbelt area, which is irrigated by treated water, and excess runoff will be safely discharged to external storm water drain.
4	The solid waste generated should be properly segregated insitu. The Biodegradable organic waste be composted by installing bio-converter in site and used. The non-biodegradable waste be disposed to the authorized recyclers.	The generated solid wastes are collected in separate bins and non-biodegradable wastes are disposed through authorized recyclers. Biodegradable organic waste generated is collected and treated at our centralized Organic Waste Converter.
5	Any hazardous waste including biomedical waste should be disposed off as per the applicable Rules and norms with necessary approvals of the Karnataka State Pollution Control Board.	The hazardous wastes are stored separately in leak proof containers and are disposed through authorized recyclers/reprocesses. Bio medical wastes are collected and disposed through authorized incinerators.



6	<p>As agreed by the project proponent shall develop a minimum of 18 % of the project area i.e minimum 1503 sqm area for green belt and plant with trees species at an escapement of 3 mts X 3 mts i.e 1111 plants/hectare.</p> <p>The green belt design along the periphery of the plot shall achieve attenuation factor confirming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.</p> <p>The project proponent shall maintain the avenue planation of 2 km on either side of the road around the project.</p>	<p>Project area is covered with green belt with combination of different types of native trees, shrubs, ground covers.</p>
7	<p>Incremental pollution loads on the ambient air quality; noise and water quality should be periodically monitored after commissioning of the project.</p>	<p>Ambient air quality & Noise monitoring are carried on quarterly basis. Water quality is monitored on a Monthly basis.</p>
8	<p>Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for the complex should be provided. Details in this regard should be submitted to the SEIAA.</p>	<p>Solar photo voltaic plant is installed on the roof tops and the same is utilized in the building for meeting electricity needs.</p> <p>The layout of street & building maximizes the potential for solar energy devices. Solar street lightings are installed in common area, landscape area.</p>
9	<p>Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized, and no public space should be utilized.</p>	<p>Car parking facility is provided in basement area and MLCP, no public space has been used for parking.</p>
10	<p>A Report on the energy conservation measures confirming to energy conservation norms finalized by the Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the SEIAA in three months time.</p>	<p>Submitted during construction phase</p>
11	<p>All toilets should have dual plumbing line for using treated water and no wastewater is discharged from the unit.</p>	<p>Dual piping system is implemented for use of</p>



		STP treated water for flushing.
12	The Environment Management Plan including the human health and Safety management plan and Fire Safety and Protection plan proposed by the proponent shall be strictly implemented.	EMP's are executed considering various Environment, Health, Safety & Fire protection activities.
13	The proposed building shall have D.G.Set of 3 Nos. X 750 KVA as an alternate power supply source as proposed.	Project area is provided with 1010 KVA and 1250 KVA DG sets as an alternate power supply.
14	The project Authorities shall submit an undertaking to the Authority regarding availing water supply through pipeline for the operating phase and not through tankers.	Obtained BWSSB connection for water supply.
PART - B. GENERAL CONDITIONS:		
1	The Environmental safeguards contained in the application should be implemented in letter and spirit.	Complied
2	All commitments made by the proponents in their application, and subsequent letters addressed to the SEAC/SEIAA should be accomplished before the construction work of the project is completed.	Complied
3	Half yearly monitoring reports should be submitted to the SEIAA and the APCCF, Regional Office, MoEF, Bengaluru.	Complied
4	Officials from the Department of Environment and Ecology, Bengaluru / APCCF, Regional Office of MoEF, Bengaluru 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 / SEIAA should be forwarded to the APCCF, Regional Office of MoEF, Bengaluru / Department of Environment and Ecology, Bengaluru.	ok
5	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	Adhered to EC condition
6	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	Adhered to EC condition
7	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the national Environment Appellate Authority Act, 1997	Adhered to EC condition



8	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Ok
9	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the competent authorities.	Approvals obtained from Fire Department, KSPCB under Air, Water and Hazardous waste management
10	The project proponent should 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 Karnataka State Pollution Control Board and may also be seen on the website of the SEIAA, Karnataka at http://www.seiaa.kar.nic.in or http://seiaa.karnataka.gov.in , http://environmentclearance.nic.in . The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the APCCF, Regional Office of the MoEF at Bengaluru/ Department of Environment and Ecology, Bengaluru.	Advertised
11	The project proponent should display the conditions prominently at the entrance of the project on a suitable size board for the information of the public.	Displayed condition on the board at the entrance of project site.
12	These stipulations would be enforced among others under the provisions of 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 EIA Notification, 2006.	Adhered to EC condition
13	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	Construction work has been started after obtaining Environmental clearance
14	The issuance of Environment Clearance doesn't confer any right to the project proponent to operate/ run the project without obtaining Statutory clearances/sanctions from all other concerned authorities.	Adhered to EC condition and obtained statutory clearances/sanctions from the concerned authorities

