

IL/HBLSEZ/SEIAA/2023-24/01

Date: 26.05.2023

Ministry of Environment, Forest and Climate Change,
Regional Office (SZ),
Kendriya Sadan, 4th Floor, E&F Wings,
17th Main Road,
Koramangala II Block,
Bangalore – 560034

Subject : Submission of Bi-annual Compliance Report w.r.t Environmental Clearance

Reference : Environmental Clearance no. SEIAA 182 CON 2015 dated 21st Dec 2015

Respected Sir / Madam,

With reference to above, we are herewith submitting the bi-annual compliance report of our project at Infosys Limited, IT/ITES SEZ, Gokul Hobli, Hubli, Dharwad District, Karnataka for the period from Oct'22 to Mar'23.

Request you to acknowledge the receipt of same.

Cordially yours,

For INFOSYS LIMITED


AUTHORIZED SIGNATORY

Enclosures: Compliance report with analysis reports of various environmental parameters

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Annexure – 1

**COMPLIANCE REPORT FOR
DEVELOPMENT OF IT/ITES OFFICE**

**BUILDING PROJECT
[October 2022 – March 2023]**

AT

**SY. NO's 217P, 353P, 221P, 222, 223, 224, 225, 226P,
238, 239/1P, 239/2P, 245/1P, 245/2P, 245/3P, 246/1P, 246/2P,
246/3P, 247/1P, 247/2P, 248P, 254P, 257/3P and 257/4P**

**OF GOKUL VILLAGE,
HUBBALLI TALUK,
DHARWAD DISTRICT**

**PROMOTER:
M/s. INFOSYS LIMITED,
BENGALURU**

COMPLIANCE TO EC CONDITIONS

Environmental clearance from State Level Environmental Impact Assessment Authority, Karnataka

Environmental Clearance No. SEIAA 182 CON 2015 dated 21st Dec 2015

PART A – SPECIFIC CONDITIONS:

I.	CONSTRUCTION PHASE – <u>Note:</u> No construction activity is carried-out during the assessment period, hence submitting the compliance report on Operational Phase, General Conditions and Construction Phase wherever applicable only.	
#	EC Conditions	Action taken
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 so as to raise a corpus fund to maintain the Environment cell.	All environmental aspects such as sewage treatment, solid waste disposal, maintenance of green belt areas is being maintained in the site. Environmental Management cell has been setup and continued for operation phase.
2.	Appoint an Environment and safety engineer during the construction phase to take care of environment and safety aspects.	As we don't have any ongoing construction, we have not appointed any safety engineers. Will adhere to EC condition once the construction activity restarts
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.	Necessary measures were taken to avoid nuisance, air and water pollution. The DG sets are provided with adequate stacks to reduce the effect of air pollutants emitted. The acoustic enclosures have been provided to avoid the nuisance due to noise generated from the DG sets. Ambient air and noise quality analysis were conducted in the project site. The analysis reports are enclosed as Annexure – A.

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	Project site is covered by compound wall with barricades to curtail the spilling of pollutants to the surrounding area.
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.	Necessary arrangements were made at the main entrance 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.	All required sanitary and hygienic measures were adopted & was been maintained throughout the construction phase. Sufficient numbers of toilets & bathrooms were provided for the labours & the generated sewage was treated in STP STP treated water test reports are enclosed as Annexure – B
7.	A First Aid Room should be provided in the Project both during construction and operation of the project.	The first aid room is provided in the project site & this facility is being continued during operation phase also.
8.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	As no construction is in progress, drinking water for operational phase is sourced through corporation & the analysis report for the same is enclosed as Annexure – C . The generated sewage is treated in STP. Dust bins are provided in the site for collection of domestic solid waste and collected waste is bifurcated as organic & recyclable waste and handed over to local vendors, as there is no ongoing construction activity the waste is not generated at the site. Will adhere to EC condition once the construction activity restarts
9.	Provision shall be made for the housing of construction labourers within the site with all necessary infrastructures. The housing may be the form of temporary structures to be removed after the completion of the project. The facilities shall include the crèche.	For the construction labourers, temporary housing facilities were made available within the project site & same will be removed once after the completion of the project.
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.	LPG was provided as fuel for cooking.

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	The labours health screening was done before appointing them for construction work. Periodic medical evaluation camp is conducting for all the labours working in the project site. as there is no ongoing construction activity there is no such periodic health checkup are being conducted. Will adhere to EC condition once the construction activity restarts.
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.	Sewage generated from the labourers during construction is treating in STP. Treated water is using for construction / Landscaping after disinfection. During operation phase, treated water will be used for flushing and landscaping after disinfecting by using chlorination
13.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	We have used the generated topsoil for backfilling, for landscaping and for road formation.
14.	Disposal of muck, construction debris during construction phase should 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.	The generated construction debris is used within the site for roads & pavement formation; hence there is no possibility of adverse effect on the neighboring communities
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.	The ground water samples near project site were tested during the construction phase
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.	Ready mix concrete is used for construction activity & other similar activities are carried out on impervious floors. Hence there are no possibilities of leaching of pollutants.
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.	The fuel using for DG sets is of low Sulphur content & conforms 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.	As there is no ongoing construction activity the hiring of the vehicles has been completely stopped. Will adhere to EC condition once the construction activity restarts
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.	<input type="checkbox"/> The site was periodically watered to reduce emissions of dust particles. <input type="checkbox"/> Site was barricaded all along the boundary to avoid fugitive dust emission. <input type="checkbox"/> Less noise generating Equipment's were used for construction. <input type="checkbox"/> Ambient air and noise test were conducted in the project site during construction activity. Will adhere to EC condition once the construction activity restarts
20.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on August 2003.	As there is no availability of fly ash made building materials, no usage of such materials in the construction work.
21.	Ready mixed concrete must be used in building construction.	Ready mixed concrete was used in building construction.
22.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water control and its re-use are adopted in the proposed project; as the stage wise construction is going on, it will be implemented accordingly.
23.	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices and only tertiary treated water shall be used for construction as per G.O. No. FEE 188 ENV 2003 dated 14.08.2003.	To reduce water demand ready mixed concrete, precast concrete blocks etc., are used in construction.
24.	No ground water is to be drawn without permission from the Central Ground Water Authority.	No ground water is used at the project site.
25.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Dual plumbing plan is implemented in the proposed project.
26.	Treatment of 100% grey water by decentralized treatment should be done.	Sewage Treatment plant is operational. 100% of the wastewater generated is being treated and reused within the campus for secondary purposes.

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.	Pressure reducing devices is installed in various plumbing fixtures.
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.	All vision glass panels used are dark tinted, reflective and tinted with low- E coating with the U-value of 1.80. Spandrel Glass panels are dark tinted. Clear glass being used only for the entrance lobby which is covered and thus protected from solar heat gain by the building natural shading
29.	The provision of Energy Conservation Building code, 2007 shall be fully complied with.	Whole Building Simulation route was selected for ECBC compliance instead of prescriptive route.
30.	Roof should meet prescriptive requirement as per Energy Conservation Building Code, 2007 by using appropriate thermal insulation material.	As per Energy Conservation Building Code, thermal insulation techniques & materials are being used in construction
31.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, 2007 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.	The opaque wall to meet prescriptive requirement. The U & R values are as per ECBC guidelines.
32.	Facilities such as ramps and separate parking shall be provided for the benefit of physically challenged.	Buildings are designed to ensure easy access for differently abled employees.
33.	The project shall be made operational only after necessary infrastructure/connection for water supply and sewerage line is provided and commissioned by the Competent Authorities.	The project will commence its operation only after obtaining necessary infrastructure/ connection for water supply and sewerage line from the Competent Authorities. For supply of water agreement with KSWP is available. Obtained Consent for operation from KSPCB
34.	The project authority shall maintain and operate the common infrastructure facilities created including STP and solid waste management facility efficiently.	We will maintain and operate the STP with other related issues and solid waste management facility efficiently
35.	The project authority shall incorporate a suitable condition in the Sale Agreement/Deed to be made with the buyers that the occupier/buyer holds the responsibilities jointly with other users to maintain common infrastructure facilities created including STP and solid waste management facility.	As the project is proposed for our own use, we will maintain all infrastructure and other facilities throughout the operation phase.

36.	The Proponent shall obtain the construction material such as stones and jelly etc. only from the approved quarries and other construction material shall also be procured from the authorized agencies/traders.	The materials using for construction are being obtained from approved quarries & from the authorized agencies/traders
37.	The proponent shall obtain approval from the competent authorities for structural safety of the building due to earthquake, adequacy of firefighting equipment etc. as per the National Building Code (NBC) including protection measures for lightening etc.	The project is planned as per the NBC Standards; necessary protection measures are adopted & we have obtained approval from the competent authorities for structural safety of the building.
38.	The project authorities shall ensure that no water bodies are polluted due to project activities.	It is ensured that no water bodies will be polluted from the project.
39.	Safety standards as per National Building Code (NBC), 2005 should be followed and ensured.	NBC safety standards will be followed.
40.	The project Authorities shall ensure that the National Building Code, 2005 is fully complied with and adhered to.	It is ensured that project is planned as per NBC and it is complied with applicable requirements
41.	The project authorities shall not use Kharab land if any for any purpose and keep available to the general public duly displaying a board as public property. No structure of any kind be put up in the Kharab land and shall be afforested and maintained as green belt only.	No Kharab land has been used in the proposed project.
42.	The project authority shall obtain NOC before commencement of the construction activity and clearance after the completion of the construction from the Fire and Emergency Services Department, if applicable.	We have obtained NOC before commencement of the construction activity from Fire and Emergency Services Department. Also we have received the fire clearance certificate after the completion of buildings.
43.	The project Authorities shall ensure the time specification prescribed the Honorable High Court of Karnataka in W.P. No. 1958/2011 (LBRES- PIL) on 04.12.2012 for different activities involved in construction work.	Time specification prescribed by the Honorable High Court of Karnataka on 04.12.2012 for different activities involved in construction work has been followed
44.	The proponent shall take up the construction activity only after obtaining NOC clearance from the competent authority for assured supply of water as the case may be.	Agreement with KSWB is available for the supply of water
45.	The project authorities shall ensure that the construction activity is undertaken strictly in accordance with the approved site plan / layout drawing annexed to this Environmental Clearance letter. However, it is subject to compliance to the provisions of local authorities regarding setbacks, FAR etc. Shall be adhered to.	Noted. We will adhered to EC condition.

46.	The existing water body, canals and rajakaluve and other drainage and water bound structures shall be retained unaltered with due buffer zone as applicable and maintained under tree cover.	There is no existing water body, canals and rajakaluve near the project site. Water body, canals, rajakaluve and other drainage and water bound structures will be unaltered.
47.	The project authorities shall leave the appropriate buffer from the boundary lake and on either side of the channel / nala and other water bodies as per the norms of the local planning Authority and this shall be free from any permanent structures. The buffer so maintained shall be planted with indigenous tree species such as Neem, Akash Mallige, Mahagoni, Honge, Kadamba Ficus etc. and maintained as green belt.	There is no existing water body, canals and rajakaluve near the project site. We have planted more than 54,000+ trees in the campus, prominence is given to native varieties of tree saplings.
48.	The natural sloping pattern of the project site shall remain unaltered and the natural hydrology of the area be maintained as it is to ensure natural flow of storm water.	No alteration will be made for the natural sloping pattern of the project site and the natural hydrology of the area will be maintained as it is to ensure natural flow of storm water.
49.	Lakes and other water bodies within and/or at the vicinity of the project area shall be protected and conserved.	Lakes and other water bodies (created) within and / or at the vicinity of the project area will be protected and conserved.

II.	OPERATION PHASE	
1	<p>The installation of the Sewage Treatment Plant (STP) of total capacity 276 KLD should be carried out before the construction of the second floor of the main structure is commenced and</p> <p>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, using dual plumbing line.</p>	<p>Sewage Treatment plant is made operational and is being upgraded to MBR technology. Obtained consent for operation from KSPCB. STP is designed to treat the sewage to meet the KSPCB urban reuse standards and the treated sewage will be reused for flushing and for gardening.</p>
2	<p>Rainwater harvesting for roof run-off with 330 Cum capacity of tanks at ground level for rainwater collection and also surface run-off harvesting as per the plan submitted should be implemented with 122 Nos. of recharge pits and pre-treatment must be done to remove suspended matter, oil and grease before recharging the surface run off.</p>	<p>The rainwater harvesting plan is implemented in the project site; rainwater harvesting tanks having 518 KL capacity is constructed. Also 4 crores liter capacity of pond is constructed. 10 recharging pits are constructed for rainwater harvesting.</p>
3	<p>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 into the storm water drains.</p>	<p>Proper care has been taken, not to contaminate the ground water from the excess runoff rainwater from the greenbelt area, which is irrigated by treated water; and excess runoff will be safely collected in a pond.</p>
4	<p>The solid waste generated should be properly collected and segregated inside. The Biodegradable organic waste be composted by installing bio-converter in site and used. The non-biodegradable waste be disposed to the authorized recyclers.</p>	<p>The generated solid waste will be collected in separate bins & the organic waste will be processed in proposed organic waste converter within the project site & recyclable will be handed over to authorized recyclers.</p>
5	<p>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.</p>	<p>The hazardous waste i.e. waste oil, generated from the proposed project will be from DG sets. This will be stored in leak proof containers & will be hand over to KSPCB authorized waste oil recyclers.</p>

6	<p>The project proponent shall develop a minimum of 33% of the project area for green belt. The proposed Greenscape is 1,23,561.32 Sqm (70.92% of total plot area). The proponent shall undertake Plantation of heavy foliage indigenous tree species such as Mahagoni, Honge, Neem, Akash Mallige, Kadamba, Ficus and Ashoka, etc at an escapement of 3mts 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>	Green belt is planned accordingly for 70.92% of the project site area with native species.
7	Incremental pollution loads on the ambient air quality; noise and water quality should be periodically monitored after commissioning of the project.	Regular monitoring of ambient air, noise and water quality analysis will be carried out after commissioning of the project. Annexure-A & C
8	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.	Energy generated from proposed solar PV will be used for lightings
9	<p>Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.</p> <p>Parking should be fully internalized and no public space should be utilized.</p>	Surface car parking facility is provided & no public space will be used for parking.
10	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 month's time.	Whole building simulation route was selected for ECBC compliance instead of prescriptive route.

11	All toilets should have dual plumbing line for using treated water and no wastewater is discharged from the unit.	Dual piping system has been implemented in the proposed project.
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.	Environment Management Plan including the human health and Safety management plan and Fire Safety and Protection plan is being implemented.
13	The proposed building shall have D.G. Set of 2 Nos. x 1010 KVA and 1No. X 750 KVA as an alternate power supply source as proposed.	Installed D.G. Set of 1 No X 500 KVA and 1 No X 320 KVA as an alternate power supply source for the buildings.
PART B – GENERAL CONDITIONS		
1.	The Environmental safeguards contained in the application should be implemented in letter and spirit.	The Environmental safeguards as mentioned in the application have been implemented effectively during construction phase and the same will be implemented with true spirit in operation phase also.
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.	It is being followed.
3.	Half yearly monitoring reports should be submitted to the SEIAA and the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Karwar and the APCCF, Regional Office, MoEF, Bengaluru.	Six monthly monitoring reports along with the compliance to the Environmental clearance conditions are being submitted.
4.	Officials from the Department of Environment and Ecology, Bengaluru/ Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Karwar and the 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	Will adhere to EC condition.

	submitted to MoEF / SEIAA should be forwarded to the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Karwar and the APCCF, Regional Office of MoEF, Bengaluru / Department of Environment and Ecology, Bengaluru.	
5	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	Will adhere 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.	Will adhere to EC condition.
7	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.	Same will be followed, if any.
8	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.	All necessary permissions have been obtained from the competent authorities wherever applicable
9	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	Already complied.

	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 Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Karwar and the APCCF, Regional Office, MoEF at Bengaluru/Department of Environment and Ecology, Bengaluru.	
10	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.	We have displayed the conditions on the board at the entrance of the project.
11	Any appeal against this environmental 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.	Noted
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.	For the proposed project, CFE & CFO has been obtained under Water act & Air act; EC has been obtained under EIA notification and as per these stipulations, development is schedule in the project site.
13	For the proposed project, CFE has been obtained under Water act & Air act; EC has been obtained under EIA notification and as per these stipulations, development is schedule in the project site.	Construction work for the proposed project has been started after obtaining the environmental clearance and CFE
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.	Noted and complied

Date: 26.05.2023


Authorized Signatory
Infosys Ltd, Hubli