

Date: 17th November 2022

State Level Environment Impact Assessment Authority Punjab
Ministry of Environment, Forests and Climate Change
Government of India
O/o Directorate of Environment and Climate Change
MGSIPA Complex
Sector-26
Chandigarh- 160019

Sub: Submission of Six-Monthly EC Compliance report

Dear Sir,

In response to above mentioned subject, please find attached Six-Monthly EC Compliance report for the period of April 2022 to September 2022 for Environmental Clearance under EIA notification dated 14.09.2006 for establishment of IT/ITES project namely "Infosys Campus" located at Plot-n I-3, Sector 83-Alpha, IT city, SAS Nagar (Mohali), Punjab by M/s Infosys Limited (Proposal no- SIA/PB/MIS/141329/2020)

Infosys has not undertaken any construction work during this period; hence no workers were employed for the same.

This information is correct to best of my knowledge.

Thanking You,

For Infosys Limited,



Puneet Randhawa

Sr. Regional Head – Facilities

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Subject: Environmental Clearance under EIA notification dated 14.09.2006 for establishment of IT/ITES Project namely "Infosys Campus" located at Plot no. 1-3, Sector-83 Alpha, IT City, S.A.S. Nagar (Mohali), Punjab by M/s Infosys Limited (Proposal No. SIA/PB /MIS/141329 /2020).

This is in reference to your online Proposal No. SIA/PB/MIS/141329/2020 for obtaining Environmental Clearance under the EIA notification dated 14.09.2006 for establishment of IT/ITES namely "Infosys Campus" located at Plot no. 1-3, Sector-83 Alpha, IT City, S.A.S. Nagar (Mohali), Punjab by M/s Infosys Limited. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, 1-A and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project are as under

Name & Location of the project:	"Infosys Campus" at Plot no. 1-3, Sector-83 Alpha, IT City, S.A.S. Nagar (Mohali), Punjab		
Nature of project	: Fresh EC		
Activity	8 (a) - 'Building & Construction Project'		
Category as per EIA Notification, 2006:	Category B2		
Total Cost of the project	: Rs. 356.79 Crores.		
Latitude & Longitude	Corner Latitude	Longitude	
Corner A	30°38'12.74"N	76°43'53.55"E	
Corner B	30°37'59.07"N	76°44'4.20"E	
Corner C	30°37'53.30"N	76°43'51.30"E	
Corner D	30°38'6.81"N	76°43'53.55"E	

Statutory compliance:

i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work.	Noted and complied
The approval of the Competent Authority shall be obtained for structure of buildings due to earthquakes, adequacy of firefighting equipment, per National Building Code including protection measures from lightning.	Noted and will be complied
The project proponent shall obtain forest clearance under the provision to Forest (Conservation) Act, 1986, in case of the diversion of forest land, forest purpose involved in the project.	NOC from Forest department already taken.
The project proponent shall obtain clearance from the National Board if applicable.	Not applicable
The project proponent shall obtain Consent to Establish /Operate under provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee	Consent to Establish and Consent to Operate under Air and Water Act from PPCB will be applied when the campus will be operational.
The project proponent shall obtain the necessary permission for drawing Industrial water/ surface water required for the project from the competent authority	Approval from GMADA received

A certificate of adequacy of available power from the agency supplying to the project along with the load allowed for the project should be obtained	Noted and will be complied
All other statutory clearances such as the approvals for storage of diesel from Controller of Explosives, Fire Department, Civil Aviation Department to be obtained, as applicable, by project proponents from the respective department.	Airport NOC from Civil Aviation department already received. Provisional Fire NOC already received Others will be complied as per plan.
The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016 and Plastics Waste (Management) Rules, 2016 shall be followed.	Noted and will be complied
The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.	Noted and will be complied
The project site shall conform to the suitability as prescribed under the laid down under the master plan of respective city/ town. For that, proponent shall either to submit: the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority or jurisdiction, the site falls.	Noted and will be complied
Besides above, the project proponent shall also comply with statutory guidelines, standard operating practices, code of practice and guide prescribed by the SPCB/CPCB/MoEF&CC for such type of projects.	Noted and will be complied
The project proponent shall get the layout plans approved from the 3rd Authority for the activities / establishments to be set up at prof in consonance of the project proposal for which this environment clearance	Noted and will be complied
II. Air quality monitoring and preservation	
Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with,	Noted and will be complied
A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.	Noted and will be complied. On monthly basis, ambient air monitoring is being done at 3 locations each.
The project proponent shall install system to carryout Ambient Air Quality monitoring for common /criterion parameters relevant-to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.	Noted and will be complied
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.	Noted and will be complied

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 3m height or 1/3rd of the building height and maximum upto 10m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	Noted and will be complied
No Excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted and will be complied
No loose soil or sand or construction & demolition waste or any other construction material that causes dust shall be left uncovered.	Noted and will be complied
No uncovered vehicles carrying construction material and waste shall be permitted	Noted and will be complied
All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Noted and will be complied
Grinding and Cutting of building material in open area shall be prohibited. Wet jet shall be provided for grinding and stone cutting.	Noted and will be complied
Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust	Noted and will be complied
All construction and demolition debris shall be stored at the site within earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.	Noted and will be complied
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.	Noted and will be complied
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.	Noted and will be complied
For indoor air quality the ventilation provisions as per National Building Code of India.	Noted and will be complied
Roads leading to or at construction site must be paved and blacktopped (i.e.metallic road).	Noted and will be complied
Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.	Noted and will be complied
Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measure be notified at the site.	Noted and will be complied
III. Water quality monitoring and preservation	
The natural drain system should be maintained for ensuring unrestricted flow of water.	Noted and will be complied
No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-	Noted and will be complied

swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.	
Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Noted and will be complied
The total water requirement for the project will be 542 KL/day, out of which fresh water demand of 138 KL /day shall be met through GMADA supply and remaining through recycling of treated waste water from the STP of the project and from the nearby STPs	Noted and will be complied
Total fresh water use shall not exceed the proposed requirement as provided in the project details. Total fresh water use shall not exceed the proposed requirement as provided in the project details.	Noted and will be complied
a)The total wastewater generation from the project will be 198 KL/day, which will be treated in STP of capacity of 200 KL/day to be installed within the project site. As proposed, reuse of treated wastewater obtained from STP shall be as under:- Sr. Season For Flushing Green Area HVAC / Sewer No. purposes (KLD) in an (KID) area of 51,500 sqm 1. Summer 110 84 - 2. Winter 110 84 - 3. Rainy 110 26 58	Noted and will be complied
b) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes. c) During construction phase, the project proponent shall ensure that the wastewater being generated from the labour quarters/toilets shall be treated and disposed in environment friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately design septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation	Noted and will be complied
The project proponent shall ensure safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.	Noted and will be complied
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.	Noted and will be complied
A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance	Noted and will be complied

water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.																			
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.	Noted and will be complied																		
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.	Noted and will be complied																		
The respective project proponent shall discourage the installation of R.O. plants in their projects in order to save the wastage in form of RO reject. However, in case the requirement of installing RO plant is utmost necessary then the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component i.e. (Tower/Mall) or in a common place in the project premises.	Noted and will be complied																		
The project proponent shall also adopt the new/innovating technologies like less water discharging taps (faucet with aerators)/urinals with electronic sensor system /water less urinals / twin flush cisterns/ sensor based alarming system for overhead water storage tanks and make it a part of the environmental management plans / building plans so as to reduce the water consumption/ground water abstraction in their Building Construction & Industrial projects.	Noted and will be complied																		
<p>The project proponent will provide plumbing system for reuse of treated wastewater for flushing/ HVAC/ other purposes etc. and colour coding of different pipe lines carrying water/wastewater from different sources / treated wastewater as follows:</p> <table border="0"> <thead> <tr> <th>Sr.</th> <th>Nature of the Stream</th> <th>Color code</th> </tr> </thead> <tbody> <tr> <td>No</td> <td></td> <td></td> </tr> <tr> <td>a)</td> <td>Fresh water</td> <td>Blue</td> </tr> <tr> <td>b)</td> <td>Untreated wastewater from Toilets/ urinal & from Kitchen</td> <td>Black</td> </tr> <tr> <td>c)</td> <td>Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing</td> <td>Grey</td> </tr> <tr> <td>d)</td> <td>Reject water streams from RO plants & AC condensate</td> <td>White</td> </tr> </tbody> </table> <p>(this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.</p> <p>e) Treated wastewater (for reuse only for plantation purposes) from the STP treating black water</p>	Sr.	Nature of the Stream	Color code	No			a)	Fresh water	Blue	b)	Untreated wastewater from Toilets/ urinal & from Kitchen	Black	c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey	d)	Reject water streams from RO plants & AC condensate	White	Noted and will be complied
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f) Treated wastewater (for reuse for flushing purposes or Green with any other activity except plantation) from the STP strips treating grey water g) Storm water Orange	
Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted and will be complied
The CGWA provisions on rain water harvesting should be followed. As per the proposal submitted by the project proponent 32 no. rain water recharging pits, one recharging tanks having capacity 365 m3 and two retention ponds having total capacity of 9.6 million litres tank shall be provided for ground water recharging as per the CGWB norms. The ground water shall not be withdrawn without approval from the Competent Authority.	Noted and will be complied
All recharge should be limited to shallow aquifer	Noted and will be complied
No ground water shall be used during construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and available at site.	Noted and will be complied
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.	Noted and will be complied
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.	Noted and will be complied
Sewage shall be treated in the STP with tertiary treatment. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing, AC make up water and gardening. No treated water shall be disposed of into the municipal storm water drain.	Noted and will be complied
No sewage or untreated effluent water would be discharged through storm water drains. 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 the Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.	Noted and will be complied
Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.	Noted and will be complied

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.	Noted and will be complied
IV. Noise monitoring and prevention	
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.	Noted and will be complied
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.	Noted and will be complied
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.	Noted and will be complied
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.	Noted and will be complied
ii) Outdoor and common area lighting shall be LED.	Noted and will be complied
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.	Noted and will be complied
iv) Energy conservation measures like installation of LEDs for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.	Noted and will be complied
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.	Noted and will be complied
vi) Solar power by utilizing at least 30% of the roof top area 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.	Noted and will be complied

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.	Noted and will be complied
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.	Noted and will be complied
iii) 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.	Noted and will be complied
iv) Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed for treatment and disposal of the waste.	Noted and will be complied
v) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.	Noted and will be complied
vi) 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.	Noted and will be complied
vii) 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	Noted and will be complied
viii) 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 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.	Noted and will be complied
ix) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Noted and will be complied
x) 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.	Noted and will be complied
VII. Green Cover	
i) No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured	Noted and will be complied