

IL/HJW/FAC/GA/06-21/82

1st June 2021

To,
The Deputy Director General of Forests (Central),
West Central Zone, Regional Office,
New Secretariat Building, Opp. VCA Ground,
Civil lane, Nagpur-440001

Dear Sir,

**SUBJECT: SUBMISSION OF COMPLIANCE REPORT FOR THE PERIOD OF
DECEMBER 2020 to MAY 2021 OF VILLAGE – DAHEGAON, TEHSIL
AND DISTRICT- NAGPUR.**

Please refer to the Environmental Clearance Letter No. SEAC-III-2015/CR 92/TC-3 dated 28th
January 2016 (copy attached).

We are forwarding herewith soft copy of compliance report.

Kindly acknowledge receipt

Thanking you,

Yours faithfully,

For Infosys Limited,



Vijaya Lakshmi Mani
AVP-Regional Head – Facilities



Enclosure: As above

Cc: 1. Regional officer, Regional office-II, Maharashtra Pollution Control Board, Nagpur.

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**EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(Dec 2020 – May 2021)**

Of

Infosys IT/ITES Project

(EC Letter No. SEAC No. SEAC-III-2015/CR 92/TC-3 dtd. 28th January 2016)

Located At

**Survey No.55, 56, 57, 58, 59, 60, 62(p), 63, 64
(p), 65(p), 74 (p), 84(p), 85, 86, 87(p), 88, 89, 90,
91 (p), 92 (p), 93(p), 94(p), 95(p), 103(p),
At Village-Dahegaon, Tehsil & District - Nagpur**

Project Proponent

Infosys[®]

M/S. INFOSYS LIMITED

Environmental Consultant



***QCI-NABET Accredited EIA Consultant
MoEF&CC (GOI) Recognized and NABL Approved Laboratory
ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007***

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1st June 2021

INTRODUCTION

Infosys Limited (formerly Infosys Technologies Limited) is an Indian multinational corporation that provides business consulting, information technology and outsourcing services. It has its headquarters in Bengaluru, Karnataka, India.

It provides software development, maintenance and independent validation services to companies in finance, insurance, manufacturing and other domains

Infosys Limited has proposed their software development project in Nagpur, Maharashtra. This project has obtained environmental clearance from SEIAA, Maharashtra vide EC Letter No. SEAC-III-2015/CR 92/TC-3 dtd. 28th January 2016.

EC Conditions compliance status and Environmental monitoring reports for the period of December 2020 to April 2021 is given below.

Please Note: Environmental monitoring was not done for May 2021 due to Covid-19 lockdown and hence reports are not attached herewith.

COMPLIANCE STATUS

Sr. No.	EC Conditions	Action Taken
General Conditions for Pre-Construction Phase		
I.	This environmental clearance is issued subject to land use verification. Local authority/planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolution, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Noted and Complied.
II.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.	E-waste will be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2011.
III.	Occupation certificate shall be issued to the project by Local Planning Authority only after ensuring availability of drinking water and connectivity of the sewer line to the project site.	PP complied with the same.

Sr. No.	EC Conditions	Action Taken
IV.	This environmental clearance is issued subject to obtaining NOC from Forestry and Wild life angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Not Applicable as the land is not under forest department land and has been given by MADC post all clearances.
V.	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted & Agreed.
VI.	The height, construction build up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body and it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Noted & Complied.
VII.	“Consent for Establishment” shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.	“Consent for Establishment” is obtained from Maharashtra Pollution Control Board vide Consent Order No. Format 1.0/BO/CAC-Cell/NG-16706-15/CE/CAC-7893 dated 16/06/2016. Copy Attached in Annexure – I We will be applying for extension of validity date of CTE.
VIII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted & we will comply with the same.
General Conditions for Construction Phase-		
I.	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 and First Aid Room etc.	We will ensure compliance to the same.

Sr. No.	EC Conditions	Action Taken
II.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	We will ensure the same.
III.	The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material.	Dry waste is currently being disposed-off to MADCL.
IV.	Disposal of muck 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.	We will be compliant to the same
V.	Arrangement shall be made that wastewater and storm water do not mixed.	Separate drain facility will be provided for wastewater and storm water as a part of construction.
VI.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	The topsoil has been stored & reused for the development of the green belt (Landscaping) within our campus. Cutting & filling of earth at site has been optimized.
VII.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The topsoil has been stored & reused for the development of the green belt (Landscaping) within our campus. Cutting & filling of earth at site has been optimized.
VIII.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	Total of 62,680 m ² area is provided for the development of Green belt in the premises. We have planted 182 Nos. of trees in the campus around the developed area as a green belt. We are in process of more tree plantation. Photos attached as Annexure – IV .
IX.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals of other toxic contaminants.	Zero effluent discharge system is maintained at site. There is no underground leaching of wastewater. Monitoring of ground water quality is attached as per requirement

Sr. No.	EC Conditions	Action Taken
X.	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dumpsites for such material must be secured so that they should not leach into the ground water.	Noted and complied
XI.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	The Project being an IT park in nature is generating an insignificant quantity of hazardous waste. This will be disposed of as per applicable rules. Waste generated from the project site will be collected by Authorized vendor.
XII.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Diesel power generating sets proposed as source of backup power are of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of DG set stack is as per norms. We shall use low Sulphur diesel.
XIII.	The diesels required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Noted and Complied.
XIV.	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 and should be operated only during non-peak hours.	Noted and Complied.
XV.	Ambient noise levels should conform to 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 should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	Noted and Complied. Noise level monitoring is also carried out. (Please refer Environmental Parameters analysis report is enclosed in status report section) Noise Monitoring reports are attached from December 2020 to April 2021.
XVI.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of	We have used fly ash for construction of the existing buildings as per requirement. We will ensure the compliance as

Sr. No.	EC Conditions	Action Taken
	September 1999 and amended as on 27 th August 2003. (The above condition is applicable only if the project site is located within the 100km of Thermal Power Stations).	applicable.
XVII.	Ready mixed concrete must be used in building construction.	We have used ready mix concrete during construction phase of existing structures. We will ensure the compliance as applicable.
XVIII.	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.	Noted & complied. Structural Safety Certificate obtained
XIX.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Storm water drainage system is designed as per CGWB and BIS Standards.
XX.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	We have used ready mix concrete during construction phase of existing structures. We will ensure the compliance as applicable.
XXI.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Complied. Monitoring reports are attached from December 2020 to April 2021.
XXII.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the	Sewage treatment plant (STP) (capacity 7 KLD) with SBR technology is in operation. All treated water is used for irrigation purpose. We are ensuring no odour from the STP. Installation of STP is certified by an independent expert and report is available with project proponent. STP Commissioning Report is attached in Annexure-V

Sr. No.	EC Conditions	Action Taken
	odour problem from STP.	
XXIII.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction / operation of the project.	We do not draw Ground water. All water demand is met through MIHAN water supply & Tankers
XXIV.	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	Noted and complied by installing dual plumbing system.
XXV.	Fixtures for showers, toilet flushing and drinking should be low flow either by use of aerators or pressure reducing devices or sensor based control.	Noted & Complied. National Building Code measures implemented.
XXVI.	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted & Complied. National Building Code measures implemented.
XXVII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Noted & Complied. National Building Code measures implemented.
XXVIII.	Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use 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. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Noted & Complied. National Building Code measures implemented.

Sr. No.	EC Conditions	Action Taken
XXIX.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase 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 low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	Diesel power generating sets proposed as source of backup power are of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of DG set stack is as per norms. We are using low Sulphur diesel.
XXX.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noted & Complied. Noise Monitoring reports are attached from December 2020 to May 2021.
XXXI.	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.	Noted & will ensure compliance.
XXXII.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Noted & Complied. National Building Code measures implemented.
XXXIII.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Noted & Complied. National Building Code measures implemented.
XXXIV.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Noted & Complied.
XXXV.	Under the provision of Environment (Protection) Act, 1986, legal action shall	Noted.

Sr. No.	EC Conditions	Action Taken
	be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	
XXXVI.	Six monthly monitoring reports should be submitted to the Regional office, MoEF, Bhopal with copy to this department and MPCB.	Noted.
General Conditions for post-construction/operation phase-		
I.	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	<p>We have already installed STP of capacity 7 KLD. No treated water is discharged outside the campus and the same is used for landscaping activity.</p> <p>Dry waste is currently disposed-off to MADCL.</p> <p>Wet waste is composted within campus scientifically.</p> <p>We have planted 182 Nos. of trees in the campus around the developed area as a green belt. We are in process of more tree plantation.</p>
II.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	Wet garbage is segregated at the site and composted within campus scientifically
III.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted & complied.
IV.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Noted & complied during half yearly compliance report submission.
V.	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted.

Sr. No.	EC Conditions	Action Taken
VI.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environmental Management Cell has been established.
VII.	Separate funds shall be allocated for implementation of environmental protection measure/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	Noted and complied.
VIII.	The project management shall advertise at least in two local newspaper widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in .	Attached is the copy of advertisement in the local newspapers. Attached as Annexure – III .
IX.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Noted & being complied.
X.	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestion / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	The clearance letter is put on the Company website. https://author1.infosys.com/sustainability/approvals/Documents/environmental-clearance-nagpur.pdf
XI.	The proponent shall upload the status of compliance of the stipulated EC	The Half yearly compliance report along with monitoring reports of criteria

Sr. No.	EC Conditions	Action Taken
	<p>conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>pollutant levels are periodically uploaded on the company website. The same is also sent to Regional office of MoEFCC, respective zonal office of CPCB and the SPCB.</p>
XII.	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.</p>	<p>Noted and being complied every six months.</p>
XIII.	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>	<p>We have received the Consent to Operate (part-1) vide letter No. Format1.0/CAC-CELL/UAN No.0000075881/CR- 2002001058 on 25th February 2020. Attached as Annexure – II.</p> <p>We have submitted the environmental statement for FY ending 31st March 2020 in Form V on 15th September 2020 as per requirement. Attached as Annexure - VI</p>

ENVIRONMENTAL STATUS REPORT

Air Quality Monitoring

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to construction projects. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of various activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within and around the Building premises.

Ambient Air Quality Monitoring

Ambient Air Quality was monitored at 3 locations within building premises. The sampling stations are selected at the above mentioned locations, in downwind and upwind directions of the Industry. ALPL is carrying out regular monitoring for, SPM, RPM, SO₂, NO_x and heavy metals at above Ambient Air Quality Monitoring (AAQM) locations.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling for PM₁₀, PM_{2.5}, SO₂, NO_x and heavy metals is twenty-four hourly. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

Methods and Instruments used for Sampling

The air samples were analyzed as per methods specified by Central Pollution Control Board (CPCB).

The levels of Suspended Particulate Matter, Respirable Particulate Matter, Sulphur Dioxide (SO₂), Oxides of Nitrogen (NO_x) & heavy metals were monitored for identifying the impact on surrounding area. PM₁₀ and PM_{2.5} were collected with the help of Respirable particulate sampler and Fine particulate sampler operating 24 hours and is computed by gravimetric method. Due to the high flow rate of air, the vacuum is formed into the hopper region of sampler which is tapped by providing a nozzle in the hopper which sucks the ambient air for sampling SO₂ and NO_x. The gases were measured by wet chemical method and were analyzed by colorimetric. The measurement techniques used for various pollutants and other details are given in below Table.

Measurement Techniques for Various Pollutants

Sr. No.	Parameter	Method	Technical Protocol	Minimum Detection limit ($\mu\text{g}/\text{m}^3$)
1.	Suspended Particulate Matter, SPM	Respirable Dust Sampler (Gravimetric Method)	IS-5182 (Part – IV)	5
2.	Respirable Particulate Matter, PM_{10}	Respirable Dust Sampler (Gravimetric Method)	IS-5182 (Part – IV)	5
3.	Fine Particulate Matter, $\text{PM}_{2.5}$	Fine Particulate Sampler (Gravimetric Method)	IS-5182 (Part-IV)	-
4.	Sulphur Dioxide	Improved West and Geake Method	IS-5182 (Part – II)	4
5.	Oxide of Nitrogen	Jacob & Hochheiser Modified Method	IS-5182 (Part – VI)	4
6.	Heavy Metals	Acid digestion	CPCB Guideline (Vol. 1)	0.0001