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Received
10/11/2020

Date: 6th November 2020

Ministry of Environment, Forests and Climate Change
Northern Regional Office
Bay No-24-25
Sector-31 A, Dakshin Marg
Chandigarh 160030

भारत सरकार / Govt. of India
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min. of Environment, Forests & Climate Change
बेज नं. 24-25, सेक्टर 31-ए
Bays No.24-25, Sec-31 A
चण्डीगढ़/Chandigarh

Sub: Submission of Six-Monthly Progress Report

Sir,

In response to the above-mentioned subject, please find attached Six Monthly Progress Report for the period of April'20 to September'20. Infosys has not undertaken any construction work during this period; hence no workers were employed for the same.

Please find attached the latest reports for Ambient Air Quality, Noise levels and Stack Monitoring Report. Ground Water report is not applicable for us as we are not withdrawing any ground water. We get the monthly checking of the environmental parameters done and a calendar is maintained for the same.

Latest Information as per 13-point data sheet is attached along with.

This information is correct to the best of our knowledge.

Thanking You,

For Infosys Limited,



Puneet Randhawa

Regional Head - Facilities

INFOSYS LIMITED

Plot No. 1
Rajiv Gandhi Technology Park
Chandigarh 160 101, India
T 91 172 503 8000
F 91 172 504 6860

Corporate Office:

CIN: L85110KA1981PLC013115
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Electronics City, Hosur Road
Bengaluru 560 100, India
T 91 80 2852 0261
F 91 80 2852 0362
askus@infosys.com
www.infosys.com

**MINISTRY OF ENVIRONMENT & FORESTS
REGIONAL OFFICE: CHANDIGARH**

DATA - SHEET

1	Project type : River- valley / Mining/ Industry/ Thermal/ Nuclear/ Other (Specify)	Software Development
2	Name of the Project	Infosys Limited
3	Clearance letters/OM .No. & Date	J-12011/23/2005-IA (CIE) dated 20 th September 2005
4	Location :	
a)	District (s)	Chandigarh
b)	State (s)	Chandigarh
c)	Latitudes/Longitudes	30°44'/76°51'
5	Address for Correspondence	Plot no 1, Rajiv Gandhi Technology Park, Kishangarh, Chandigarh-160101
6	Salient features	
a)	of the project	30 acres
b)	of the environmental management plans	Separate Environment Management plans for water, power and paper
7	Break up of the project area	Non-Forest
a)	Submergence area (forest & non forest)	
b)	Others	
8	Break up of the project affected population with enumeration of those losing houses/dwelling unit only, agriculture land only, both dwelling unit & agriculture land less labourers/artisans	This was Government owned land. It was barren at the time of possession. No dwellings were displaced.
a)	SC/ST/Addivasis	
b)	Others	
c)	Please indicate whether these figures are based on any scientific & systematic survey carried out only provisional figures. If a survey is carried out give details & year of survey.	
9	Financial Details	
a)	Project cost as originally planned subsequent revised estimates & the years of price reference.	Rs. 440.43 Crores

b)	Allocation made for environmental management plane. With item wise & year wise break up.	<ol style="list-style-type: none"> 1. Expenses towards abatement of COVID-19 pandemic situation in Campus: 72 Lacs 2. Installation of 3M Fasara for controlling heating impact inside building= 9.72 Lacs 3. Installation of Fresh air Exhaust unit in Sewage Treatment plant: 4 lacs
c)	Benefit cost ratio/internal rate of return and the year of assessment.	Turn over for the period of April'20 to September'20 was Rs. 1,198.82 Crores Benefit cost ratio/internal rate of return is not available.
d)	Whether © includes the cost of environmental management as shown in (b) above.	Not Applicable
e)	Actual expenditure incurred on the project so far.	Rs. 333.75 Crores (total Investment as on 30 th September 2020)
f)	Actual expenditure incurred on the environmental management plane so far.	
10	Forest land requirement :	Not Applicable
a)	The status of approval for a diversion of forest land for forest use.	
b)	The status of compensatory about afforestation, If any	
c)	The status of clear felling.	
d)	Comment on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.	
11	The status of clear felling in non forest area (such as submergence area of reservoir, approach roads), if any with quantitative information.	Not applicable
12	Status of construction	
a)	Date of commencement (actual and/ planned)	December 2004
b)	Date of completion (actual and/ planned)	May, 2008
13	Reason for the delay if the project is yet to start.	Not Applicable

Environmental Clearance Compliance

Infosys Limited, Plot No-1, RGCTP, Kishangarh, Chandigarh-160101

EC letter no-J-12011/23/2005-IA (CIE) dated 20.09.2005

Specific Conditions	Status																																																						
Construction phase																																																							
1. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout construction phase	Complied. All required sanitary and hygienic measures (toilets, canteen etc.) were provided for construction work force.																																																						
2. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site	The soil excavated during construction activities is used for levelling the areas within the project site																																																						
3. Disposal of muck including excavated material during construction phase should not create any diverse effects on the neighboring communities and disposed of taking the necessary precautions for general safety and health aspects	Muck was disposed safely in designated and authorized malba dumping area																																																						
4. Use of diesel generators during construction phase should be enclosed type and should confirm to EPA rules prescribed for air and noise emission standards.	Low sulphur diesel was used in DG during the construction phase																																																						
5. Vehicles hired for bringing construction material at site should be in good condition and should confirm to applicable air and noise emission standards and should be operated only during non-peaking hours.	All vehicles were checked and only good condition vehicles were used for the movement of construction materials. Vehicle movement happened only during non-peak hours																																																						
6. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Station Code</th> <th rowspan="2" style="text-align: center;">AAQM Station</th> <th colspan="5" style="text-align: center;">Average Pollutant Concentration ($\mu\text{g}/\text{m}^3$)</th> </tr> <tr> <th style="text-align: center;">RSPM (24hr.) ($\mu\text{g}/\text{m}^3$)</th> <th style="text-align: center;">SPM (24hr.) ($\mu\text{g}/\text{m}^3$)</th> <th style="text-align: center;">SO₂ (24hr.) ($\mu\text{g}/\text{m}^3$)</th> <th style="text-align: center;">NO_x (24hr.) ($\mu\text{g}/\text{m}^3$)</th> <th style="text-align: center;">CO (8hr) (mg/m^3)</th> </tr> </thead> <tbody> <tr> <td colspan="2">CPCB limits for ambient air concentrations in residential, rural and other areas</td> <td style="text-align: center;">100</td> <td style="text-align: center;">200</td> <td style="text-align: center;">80</td> <td style="text-align: center;">80</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">A 1</td> <td>Mansa Devi Complex</td> <td style="text-align: center;">33</td> <td style="text-align: center;">117</td> <td style="text-align: center;"><8</td> <td style="text-align: center;"><10</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">A 2</td> <td>Manav Colony</td> <td style="text-align: center;">30</td> <td style="text-align: center;">117</td> <td style="text-align: center;"><8</td> <td style="text-align: center;"><10</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">A 3</td> <td>Kishangarh Govt School</td> <td style="text-align: center;">29</td> <td style="text-align: center;">115</td> <td style="text-align: center;"><8</td> <td style="text-align: center;"><10</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">A 4</td> <td>Infosys site</td> <td style="text-align: center;">27</td> <td style="text-align: center;">115</td> <td style="text-align: center;"><8</td> <td style="text-align: center;"><10</td> <td style="text-align: center;">BDL</td> </tr> <tr> <td style="text-align: center;">A 5</td> <td>Subhasnagar</td> <td style="text-align: center;">28</td> <td style="text-align: center;">117</td> <td style="text-align: center;"><8</td> <td style="text-align: center;"><10</td> <td style="text-align: center;">BDL</td> </tr> </tbody> </table>	Station Code	AAQM Station	Average Pollutant Concentration ($\mu\text{g}/\text{m}^3$)					RSPM (24hr.) ($\mu\text{g}/\text{m}^3$)	SPM (24hr.) ($\mu\text{g}/\text{m}^3$)	SO ₂ (24hr.) ($\mu\text{g}/\text{m}^3$)	NO _x (24hr.) ($\mu\text{g}/\text{m}^3$)	CO (8hr) (mg/m^3)	CPCB limits for ambient air concentrations in residential, rural and other areas		100	200	80	80	2	A 1	Mansa Devi Complex	33	117	<8	<10	BDL	A 2	Manav Colony	30	117	<8	<10	BDL	A 3	Kishangarh Govt School	29	115	<8	<10	BDL	A 4	Infosys site	27	115	<8	<10	BDL	A 5	Subhasnagar	28	117	<8	<10	BDL
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7. Construction spoils including bituminous material and other HAZARDOUS MATERIALS MUST NOT BE ALLOWED TO CONTAMINATE WATERCOURSES AND DUMP SITES FOR SUCH MATERIAL MUST be secured so that they should not leach into ground water.	Construction material was disposed safely in designated and authorized malba dumping area Adequate care was taken so as not to cause any adverse impacts on the environment. Construction spoils are used in the construction of roads. No bituminous material was used for road construction.																																																						
8. Regular supervision of the above and other measures should be in place all through the construction phase as to avoid disturbance to the surroundings	Complied																																																						
Operation phase																																																							

<p>1. Installation of STP should be certified by an independent expert and should submit a report in this regard to the ministry before the project is commissioned for operation.</p>	<p>STP of MBR technology of 350 KLD capacity has been installed inside for the treatment of the sewerage produced. Presently utilizing 240 KLD and reusing the same in landscaping area and into flushing system. Treated sewage water is tested on a monthly basis and is meeting the CPCC norms as below. Report is attached herewith.</p>												
<p>2. Water harvesting system and energy conservation measures like installation of solar panels for lighting the areas outside the building should be an integral part of the project design and should be in place before project commissioning</p>	<p>Rain Water Harvesting system of 500 KL has been installed inside the campus for harvest and it is re used in campus for domestic purposes after filtration through filter material. No solar panels installed. We have utilized 1206 KL rain water into system in 2020-21 till date. We have installed 15 numbers of injection well of 20 KL capacity each.</p>												
<p>3. Noise barriers will be provided at appropriate locations as to ensure that the noise levels do not exceed the prescribed standards</p>	<p>DG and Chillers is of enclosed type which helps in control of Noise levels as per the prescribed standards. Insertion loss is of 25.1 dB (A) for inside and outside the DG room.</p> <table border="1" data-bbox="790 757 1562 824"> <thead> <tr> <th>Inside</th> <th>Outside</th> <th>Insertion Loss</th> </tr> </thead> <tbody> <tr> <td>98.3 dB(A)</td> <td>73.2dB(A)</td> <td>25.1 dB(A)</td> </tr> </tbody> </table>	Inside	Outside	Insertion Loss	98.3 dB(A)	73.2dB(A)	25.1 dB(A)						
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<p>4. Any hazardous waste including E waste should be disposed as per applicable rules and norms with necessary approvals of the CPCC, Chandigarh</p>	<p>E waste and other hazardous waste is being disposed as per the rules of HW management rules and authorization. Yes, authorization is obtained from CPCC for disposal of hazardous waste and biomedical waste and is handed over to a CPCC authorized vendor. Agreements with the Biomedical and E waste vendors are in place. Validity of Hazardous waste authorization is 31.01.2021 and one time Biomedical authorization with no validity.</p>												
<p>5. DG sets proposed as backup power should be of enclosed type and confirm to EPA rules as prescribed for air and noise standards as per CPCB guidelines. Exhaust will be taken 4 meters above the roof top.</p>	<p>DG sets is of enclosed type and the stack is provided 4 meters above the roof top Insertion loss is of 25.1 dB (A) for inside and outside the DG room.</p> <table border="1" data-bbox="790 1149 1562 1216"> <thead> <tr> <th>Inside</th> <th>Outside</th> <th>Insertion Loss</th> </tr> </thead> <tbody> <tr> <td>98.3 dB(A)</td> <td>73.2dB(A)</td> <td>25.1 dB(A)</td> </tr> </tbody> </table>	Inside	Outside	Insertion Loss	98.3 dB(A)	73.2dB(A)	25.1 dB(A)						
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<p>6. STP has been designed to treat the wastewater from IT Park. As proposed the wastewater will be treated to tertiary level and after treatment should be used for flushing of toilets and gardening. Discharge of treated sewage shall confirm to the norms and standards of the CPCC.</p>	<p>STP of SBR has been designed for the treatment of Waste water. Treated water is being used for gardening purpose. Treated water is under the norms and standards as prescribed by CPCC:</p> <table border="1" data-bbox="790 1350 1562 1541"> <thead> <tr> <th>Parameters</th> <th>Permissible limits</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>5.5-9.0</td> </tr> <tr> <td>Suspended Solids</td> <td>600 mg/l</td> </tr> <tr> <td>BOD</td> <td>350 mg/l</td> </tr> <tr> <td>Oil and Grease</td> <td>20 mg/l</td> </tr> <tr> <td>Ammonical Nitrogen</td> <td>50 mg/l</td> </tr> </tbody> </table>	Parameters	Permissible limits	pH	5.5-9.0	Suspended Solids	600 mg/l	BOD	350 mg/l	Oil and Grease	20 mg/l	Ammonical Nitrogen	50 mg/l
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<p>7. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open space inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.</p>	<p>Planted and in progress. Preference is given to planting of rare, indigenous, threatened and endangered species. Due to lockdown situation in the country, no tree plantation done during this six-month period. Maintenance of the existing plantation done regularly.</p>												
<p>8. Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commission of the project.</p>	<p>Environmental monitoring including noise, air water quality is being monitored periodically. Ambient noise levels are below 70 dB during nighttime and below 75 dB during day time</p>												

<p>9. Provision of rain water harvesting has been made in the proposal. RWH system should be operational for recharging of aquifers before project commissioning. The project should regularly monitor ground water levels and deterioration of ground water.</p>	<p>Rain Water Harvesting system of 500 KL has been installed inside the campus for harvest and it is re used in campus for domestic purposes after filtration through filter material. We have utilized 1206 KL rain water into system in 2020-21 till date. We have installed 15 numbers of injection well of 20 KL capacity each.</p>
<p>10. Care shall be taken to ensure energy conservation during the construction period as well as in the design and layout of the buildings apart from use of solar energy as indicated in the report.</p>	<p>Noted and complied</p>
<p>11. In addition to the solar energy used for common lightings, lighting for gardens and street lighting provision shall be made for solar water heating.</p>	<p>Solar power generation system of 200 KW has been installed and operational in our campus in the month of September 2016. A result of Japanese-German collaboration, this state of the art, automated and highly adaptive system, works on direct sunlight as well as radiation based technology which will help in generation of significant power during the winter season also.</p> <ul style="list-style-type: none"> • Plant Rating - 200 KW • Solar Plant Technology – HIT (Hetrojunction with Intrinsic thin Layer) • Solar Panel Capacity – 325 W Each • Total Numbers of Solar Panels Installed – 624 No's. • Average Power Generation Capacity - 1050 Units Per Day <p>The power from same source is being utilized in internal lighting in our buildings. This is a step towards usage of renewable resource, in turn leading to reduction on Grid power load.</p>
<p>12. Adequate measures shall be taken to avoid any traffic congestion near the entry and exit points from the road adjoining the proposed project site.</p>	<p>Sufficient parking facilities are provided within our premises. Road widened near the exit / entry points to avoid the traffic congestion. No public space is utilized for the parking.</p>
<p>13. The thermal efficiency of the buildings coming in the SEZ should be regulated to achieve desired R & U factors to make them energy efficient. A detailed report on measures proposed to taken both in the SEZ as well as the constructions coming up within the SEZ complex should be prepared and submitted to the Ministry in 3 months.</p>	<p>Infosys is an ISO 14001 compliant company. The building has been designed to conserve energy. The shape will minimize the requirement for air conditioning at the same time it will give ample natural light to further reduce dependence on lighting. The exterior finish is reflective blue tinted glass (reducing the requirement for bricks). The exterior finish of the service block will be hollow concrete blocks. Automatic water dispensing systems are being installed in the building. All water will be treated and used for irrigation as much as possible. Solar water heating systems will be installed for the Service block to save power. Energy efficient transformers and air conditioning systems are being installed. Energy efficient computer screens and paper saving printers (dual side printing) will be installed.</p> <ul style="list-style-type: none"> • R-value of wall is 1.8 m²K/W • U-value of wall is 0.55 W/m² K • U-value of glass is 1.6 to 1.8 W/m² K
<p>14. A landscape plan for the entire project area should be prepared for the implementation. Development of shelter may be taken up in appropriate directions around the project area on the prevailing wind direction. Details of the proposed plan should be submitted to the ministry in 3 months.</p>	<p>Noted and complied</p>

15. Environment management cell should be established to implement the environment management plan and carry out the environmental monitoring.	Noted and environmental monitoring is being done regularly.
General conditions	
1. The Environmental safeguards contained in the application should be implemented in letter and spirit.	Agreed and followed We are certified to ISO14001 and OHSAS18001 standards. Infosys is the first IT company in the world to publish its sustainability report based on the latest Global Reporting Initiative (GRI) G4 comprehensive framework. GRI is the most widely respected sustainability reporting framework, worldwide.
2. Provision should be made for the supply of kerosene or cooking gas/pressure cooker to the laborers during construction phase	Provided during the construction
3. All the labors to be engaged for construction work should be screened for heat and adequately treated before the issue of work permits	Noted and complied
4. Financial provisions should be made by the project proponent in the total budget of the project for implementation of suggested safeguard measures.	Complied
5. Six monthly monitoring report should be submitted to the ministry and its regional office, Chandigarh.	Being complied. Submitted regularly
6. Officials from Regional Office of MoEF, Chandigarh 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 document submitted to should be forwarded to the CCF, Regional office of MoEF, Chandigarh.	Agreed and is followed
7. The responsibility of Implementation of environmental safeguards rests fully with the Director, Information technology, Chandigarh Administration, Chandigarh	Noted
8. In the case of any charge(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	No changes implemented so far. For any further changes, prior clearance will be obtained
9. The ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provision of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
10. All other statutory clearances such as the approval for storage of diesel from Chief Controller of Explosive, and other approvals shall be obtained by project proponents from the competent authorities.	HSD license from Chief Controller from explosives have been taken vide letter no-P/NC/CH/15/52(P144102) valid till 30.12.2027.
11. A copy of the environmental clearance letter would be marked to the local NGO if any, from whom suggestion/representation were received at the time of public hearing	Noted

<p>12. A copy of the environmental clearance letter should be displayed at the Regional Office, Chandigarh and the office of the CPCC, Chandigarh</p>	<p>Noted</p>
<p>13. 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 as been accorded Environmental Clearance and copies of clearance letters are available with Chandigarh Pollution control committee, Chandigarh. The advertisement should be made within 7 days from the day of issue of the Regional Office of the MoEF at Chandigarh</p>	<p>Done during the initial stage</p>
<p>14. 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.</p>	<p>Accepted. We are complying with all the rules and regulations laid against our project. We have obtained the following consent from the authorities</p> <ul style="list-style-type: none"> - Water and air consent from CPCC-valid till 31.01.2027 - Hazardous waste consent from CPCC-valid till 31.01.2021 - Biomedical waste authorization from CPCC-one time authorization - HSD storage license from Chief controller of Explosives –valid till 31.12.2027
<p>15. The project proponent should acknowledge the receipt of the environmental clearance letter and convey their occurrence to the conditions stipulated above within 15 days from the date of issue of this letter. In case there is no response from the proponent, it would be deemed to have been agreed to.</p>	<p>Noted.</p>