

IL/BBSR/FAC/SEIAA/19-20

Dt. 11th Nov 2019

To

The Member Secretary
State Environment Impact Assessment Authority
SEIAA (Odisha)
Qr No. 5 RF.2/1, Unit-IX
Bhubaneswar – 751 022

Sub: Compliance report for our campus at IDCO allotted plot no PB-1, NE-1 and NP-1, Info Valley – SEZ, Bhubaneswar.

Ref: SEIAA Letter No. 188/SEIAA -33/10 Dated 25th Sept 2012.
Extension 2932/ SEIAA, Dt. 6th May 2017.

Dear Sir,

With reference to above mentioned letter, we are submitting herewith the copies of the six monthly analysis report of Ambient Air, Noise monitoring, DG noise, Soil analysis, Ground water as per the compliance report pertaining to Apr'19 – Sept'19.

As per proposed expansion of campus for Infosys Limited at IDCO allotted plot no PB-1, NE-1 and NP-1, Info Valley – SEZ, Bhubaneswar, we have already completed 4 Nos Software Development Blocks, Customer Care Center and other utilities.

You are requested to kindly let us know if any further details need to be provided in this matter.

Thanking you,

Yours Faithfully,

For Infosys Limited


Biswajit Nayak
Regional Manager Facilities



Attached:

1. Compliance Report
2. Analysis reports from Apr'19- Sept'19

CC – The Chairman, OSPCB, Bhubaneswar
Chief General Manager (Env.) IDCO, IDCO, Bhuban

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Part A: SPECIFIC CONDITIONS**I. Construction Phase**

	Conditions	Compliance
i	Provision shall be made for the housing of construction laborers 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 etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All the necessary domestic facilities like food court, medical center, ambulance, drinking water facility, sewage treatment plant etc. are made available for construction workers inside the campus and labor colony has been provided for their safety stay.
ii	A first Aid room will be provided in the project both during construction and operation of the project.	First aid facility, Medical center and Ambulance facility (24x7) is available inside the campus.
iii	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated soil during construction is being used for filling up low area and for landscape development within the campus
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 the general safety and health aspects of people, only in approved sites with the approval of competent authority.	Yes, the management of construction debris will be done in such a manner so as not to cause any harm to human community nor to the environment.
v	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy materials and other toxic contaminants.	Periodical checks are in place both for Soil and Ground water.
vi	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach in to the ground water	During construction, it is ensured that the hazardous waste were kept separately in bins and disposed safely to prevent contamination of soil and ground water.
vii	Any hazardous waste generated during construction phase, should be disposed off as	The hazardous wastes are identified and stored in isolated area and in designated bins. The same

	per applicable rules and norms with necessary approvals of the OPCB.	will be disposed as per the applicable norms.
viii	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules,1986 prescribed for air and noise emission standards.	DG sets have provided with suitable acoustic metal enclosures. D.G sets have confirmed to EPA Rules prescribed for air and noise emission standards. Necessary approval is obtained from Electrical Inspector before commissioning.
ix	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	The diesel stored for operating DG's are kept in underground storage tanks. Necessary approval to store diesel is in place.
x	Vehicles used for bringing construction materials to the site should be in good conditions and should have a pollution check certificate and conform to applicable air and noise emission standards and should be operated only during non-peak hours	We are checking the fitness certificate issued by the Competent Authority before allowing any vehicle inside the construction Site. The pollution check certificates are also verified.
xi	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 confirm to the stipulated standards by CPCB/OSPCB	Periodical checks for ambient air and noise is being monitored. Measures are being taken to reduce noise levels and to confirm the CPCB/OSPCB norms.
xii	Fly ash should be used as building material in the construction as per the provisions of Fly ash Notification of Sept 1999 and amended as on 27th August 2003, The above condition is applicable as the project site is located within the 100 Km of thermal Power Stations.	All the blocks used for construction of walls are of fly ash mix. We are blending 25% of fly ash with Cement to produce concrete in our RMC plant.
xiii	Ready mixed concrete must be used in building construction	Yes, same used for all construction purposes
xiv	Storm water control and it's reuse should be as per CGWB and BIS standards for various	Yes, complied.

	applications.	
xv	Water demand during construction should be optimized by adopting best practices without compromising quality.	Yes, same is followed at the time of construction.
xvi	Permission to draw ground water shall be obtained from the competent authority prior to construction / Operation of the project.	We are getting construction water from IDCO.
xvii	Separation of grey and black water should be done by the use of dual plumbing line. Grey and black water should be treated separately.	Yes, the same is being followed.
xviii	Fixtures of showers, toilet flushing and drinking water should be of low flow type either by use of aerators or pressure reducing devices or sensor based control.	High efficiency water taps with flow restrictors, flushing systems, sensor taps for hand wash, sensor based urinals etc. are in place to optimize usage of water.
xix	Use of glass may be reduced up to 40% of total outer wall area to reduce the energy consumption and load on air conditioning. If necessary, high quality double glass with special reflective coating may be used in the windows.	High performance glass, DGU's, louvered chajjas etc. are used for external glazing to get high light ingress and low heat intake to the buildings. This help in optimizing the air condition of the building.
xx	Roof should meet the prescribed requirement as per energy conservation building code.	Yes, being followed.
xxi	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment's, etc. As per National Building Code of India, 2005 including protection measures from lightening etc.	Yes, being followed.
xxii	Regular Supervision of the above and other measures for monitoring should be in place although the construction phase to avoid disturbance to the surroundings.	Yes, being followed.

II. Operation Phase

	Conditions	Compliance
i	The installation of the Sewage Treatment Plant(STP) should be certified by a competent agency and a report in this regard should be submitted to the SEIAA, Orissa before the project is commissioned for operation. Treated effluent from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards OSPCB. Necessary measures should be taken to mitigate the odour problem from STP.	All the waste water is being treated at Sewage treatment plant having capacity of 140 KLD. The total quantity of treated water is being used for landscaping purpose. The STP plant is placed away from operational area and the treatment process is membrane based. Water test report of STP attached.
ii	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recycle material.	All the solid waste generated like Paper, plastic, polythene etc. are segregated in different colored bins before disposing to authorized vendors or recycler.
iii	Diesel power generating sets proposed as source of backup power for lifts, elevators and common area illumination during operation phase should be a enclosed type and conform to Environment Protection (EP) rules 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low Sulphur diesel should be used. The location of the DG sets may be decided in consultation with OSPCB.	DG's are placed in separate block and are adhered to all norms. Low Sulphur HSD is being used.
iv	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Periodical monitoring is in place and report attached.

v	The project proponent clarified that part of existing project area is jungle kism land which will be developed as green belt. If the status of land is forest land, then Forest clearance from MOEF, Govt. of India is required. Development of green belt in the proposed jungle kism land with full cost details etc. to be submitted to the MOEF. Govt. of India for seeking forest clearance under Forest conservation Act, 1980.	NA.
vi	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during monsoon period.	Yes, being followed.
vii	Rain water harvesting for roof run off and surface run off, as plan submitted should be implemented. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and grease. The bore well for rain water recharging should be kept at least 5 mts above the highest groundwater table.	Yes, being followed.
viii	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	NA. we are not drawing any ground water inside the campus.
ix	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be used for this purpose.	Proper entry / exit gates are in place. Parking is provided inside the campus for all vehicles.
x	A Report on the energy conservation measures confirming to energy conservation norms finalized by Bureau of energy efficiency should be prepared incorporating details about building materials & technology. R & U Factors etc and submit to the SEIAA, Odisha in three months' time.	Is included in the report.
xi	Energy conservation measures like installation	We are using LED lights in all operational areas.

	<p>of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. 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. Use of solar panels may be done to the maximum extent possible.</p>	<p>The building management system (BMS) helps to conserve power efficiently.</p>
xii	<p>The building blocks should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.</p>	<p>Complied.</p>
xiii	<p>The proponent shall furnish detailed information on domestic E-waste which includes obsolete personal computers(PC) etc and dispose the e-waste as per CPCB, Delhi/MOEF, Govt. of India guidelines. A details proposal to this effect shall be submitted to the authority.</p>	<p>Complied.</p>
xiv	<p>The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances the funds shall be diverted for other purposes. Year wise expenditure for this fund should be reported to the SEIAA, Odisha.</p>	<p>This is being monitored centrally at our corporate.</p>
xv	<p>The above mentioned stipulated conditions shall be complied in time bound matter. Failure to comply with any of the conditions mentioned above may result in withdrawal of this environmental clearance and attract action under the provisions of Environment Protection (EP) Act, 1986.</p>	<p>Noted for compliance.</p>