

Infosys Limited Infosys IT & ITES SEZ, Kamblapadav Kurnad Post, Pajir Village Bantwal Taluk Dakshina Kannada District - 574 153

www.infosys:eom CIN: L85110KA1981PLC013116

askus@infosys.com

MNGSEZ/ FAC/ MIS/ 21-22/ 1

May 20, 2021

The Director – IA. III,
Room No. 524, 5th Floor,
The Ministry of Environment & Forest,
Paryavaran Bhavan, C.G.O complex, Lodhi Road,
New Delhi – 110 033.

Dear Sir,

<u>Sub</u>: Six monthly post ECC-construction phase monitoring report (for the period of October 2020 to March 2021) for our project at Pajiru, Dakshina Kannada District, Karnataka.

Ref: ECC No: 21 - 404 /2006- IA. III dated 16th May 2007.

As per the requirement of the above environmental clearance, we are submitting the following half yearly reports for your perusal.

Compliance report
 Ambient air quality reports

Annexure 1Annexure 2

3. Noise monitoring reports

- Annexure 3

4. DG stack emission reports

- Annexure 4

5. STP outlet sample analysis report

- Annexure 5

Kindly acknowledge the same

Yours faithfully,

Authorized Signatory,

Infosys Ltd.

Mangaluru-574153.

CC to: The CCF, Regional Office, Ministry of Environment & Forests, Bangalore.







## Annexure – 1 Compliance Report for the period of October 2020 to March 2021

1	Project type	Software Park (IT SEZ)	
2	Name of the project	Construction of software development park (IT SEZ) project at Kairangala, Pajiru and Kurnadu, Dist. Dakshina Kannada, Karnataka.	
3	Clearance letter no. & date	No.21-404/2006-IA.III dated 16 <sup>th</sup>	May, 2007.
4	Location: District & State / UT	Dakshina Kannada, Karnataka.	
5	Address for correspondence:	Infosys Limited, Infosys IT & ITES SEZ, Kamblapadavu, Kurnad Post, Pajeeru Village, Bantwal Taluk, Dakshina Kannada (Dis.) 574 153.	
6	Financial Details:		
a	Project cost as originally planned and subsequent revised estimates and the years of price reference	Proposed Project cost: 350.40 crores Actual: 1066 crores	
b	Allocations made for environmental management plans, with item wise and year wise breakup	STP establishment Air/ Noise pollution control measures Landscaping Maintenance of Air pollution control equipment Maintenance of STP	10 Crores 4 Crores 10 Crores 2 Lakh per annum 5 lakh per annum
С	Total expenditure on the Project so far	1066 crores	
	Actual expenditure incurred on the	Tree Plantation & Maintenance STP operation & Maintenance Analysis of STP water and drinking water	40.16 Crores 1.12 Crores 0.50 Crores
d	environmental management plans	Stack, Noise and AAQ monitoring	0.30 Crores
	TANK BERKET OF THE OWNER, AND A PROPERTY	Bio medical waste disposal	0.05 Crores 42.94 Crores
7.	Status of construction:	Completed buildings: SDB1, SDB2, SDB3, ECC1, ECC2, FC1, FC2, ETA, MLPL, Sports Complex & Amphitheatre & SDB 4	
a.	Date of commencement	October 2007	
b.	Date of completion (actual and/or planned)	Planned – 12 years	

8	Date of site visit:	
a.	The dates on which the project was monitored by the Regional Office on previous occasions, if any	20-Aug-2014
b.	Date of site visit for this monitoring report	

## PART A. SPECIFIC CONDITIONS:

Sr.	Conditions Imposed	Compliance taken by us
No.		
	A. Specific Conditions - I. Construction Phase	
1.	All required sanitary and hygienic measures should be in place before starting construction activities and to maintain throughout the construction phase.	All the necessary domestic facilities (toilets, canteen etc.) are made available for construction work force. Construction workers are provided with labor camp facility with dedicated room, bathroom, drinking water, transport and first-aid facilities.
2.	A First Aid Room should be provided in the project both during construction and operation of the project.	Infosys medical center is available in case of emergency. Ambulances are available to handle any emergency situation.
3.	Adequate drinking water and sanitary facilities should be provided for construction works at the site. The safe disposal of wastewater and solid waste generated during the construction phase should be ensured.	Drinking water facilities provided Sanitary facilities are also provided and the sewage from the toilets is transferred to the existing STP where it is treated. Inorganic waste - safe disposal to recyclers
4.	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	Our terrain is covered with hard laterite stone, so no fertile top soil is available The soil excavated during construction activities is used for levelling the areas within the project site.
5.	Construction Spoils, including bituminous materials 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 the ground water.	Adequate care is taken so as not to cause any adverse impacts on the environment. Construction spoils are used in the construction of roads. For the construction of road, bitumen mix is brought from outside, so no waste bituminous material is generated in the site.
6.	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.	Only low Sulphur diesel is used for DG sets. At present we are using 3 x 2000 KVA DG sets. Stack emission and noise levels are monitored on a monthly basis and meeting the requirements of air and noise emission standards under E (P) rules. Noise monitoring reports are attached in annexure 3 and DG stack emission reports are attached in Annexure 4.

		DG Stack Emission for Mar 2021						
		Donomaton	Stipulated		Results			
	*	Parameter	Limit	DG1	DG2	DG3		
		Nox	50 ppm	38	40	38		
	Δ.	NMHC	- ppm	4	4	- 5		
		PM	150 mg/Nm <sup>3</sup>	52	69	68		
100	· 1	CO	- ppm	112	133	114		
	1 1	Sox	100 ppm	0	0	0		
7.	Vehicles hired for bringing construction materials	Security chec	ks at the gate a	are done	for all	vehicles		
	to the site should be in good condition and should	ensuring that only good condition vehicles are used						
	conform to the applicable air and noise emission	for the move	for the movement of construction materials and that					
	standards and should be operated only during		e conforming t					
6 1	non-peak hours.	standards. V	ehicle moveme	ent happ	ens only	during		
3.5		non-peak hou						
8.	Ambient noise levels should conform to the		se levels duri					
	residential standards both during day and night.	conforming to the consent conditions. Ambient noise						
	Incremental pollution land on the ambient air and		on a monthly l			_		
* 20	noise quality should be closely monitored during		tached in anne					
	construction phase.		ow 75 dB duri	ng day	time and	d below		
	Contract to the second	65 dB during night time.						
9.	Ready mixed concrete must be used in building			for the				
10	construction.	building construction.						
			Yes, rainwater collected in rain water harvesting					
	and BIS standards for various applications.	ponds and is allowed to percolate to ground which						
		will increase the water table. Six rain water						
		harvesting ponds are created and having a holding capacity of 339 lakh liters of water at a time.						
11.	Water demand during construction should be			water a	t a tillie.			
A ide	reduce by use of pre-mixed concrete, curing agent	Agreed and followed.						
	and other best practices referred	2						
12.	Separation of gray and black water should be	Separation of	Grey water and	l black y	vater is	done by		
y jes i il. N	done by the use of dual plumbing line for	1 12	l plumbing line		vater is	done by		
	separation of grey and black water.		- promoning run					
13.	Treatment of 100% grey water by decentralized	50 KLD LET	P is established	to treat	the grey	water.		
	treatment should be done.							
14.	Fixtures for showers, toilets flushing and drinking	Water saving	taps through Pr	essure r	educing	valves,		
	should be of low flow either by use of aerators or		lled / waterless					
	pressure reducing devices or sensor based	restrictors are	provided.					
	control.		2 2					
15.	Use of Glass shall not exceed 40% of exposed	sed High quality double glass with special reflective				eflective		
	area to reduce the electricity consumption and		d in windows.		-			
1	load on air conditioning. If necessary, use high	used & Comm	on areas will n	ot be air	condition	oned but		
	quality double glass with special reflective	be naturally ventilated.			Ì			
	coating in windows.							

16.	Roof should meet prescriptive requirements as per Energy Conservation Building Code, 2007 by using appropriate thermal insulation materials.			or the roof of the
17.	Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits	All possible measures are practiced to control air & noise pollution. Air and noise pollution is monitored on a monthly basis and is meeting the requirements of CPCB norms (insertion loss of 25 dB). Acoustic enclosures are made for the DG and is located away from the residential area and work area.		
18.	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 be fulfill requirement.  A. Specific Conditions – II. Operation Phase	followed. The comprise of construction wire air cavity of 50	onservation Buildi e external walls double wall (of the a 50mm insulate omm. This wall as a ECBC recomment requirement.	of our buildings concrete blocks) ion (R-10) and an assembly has a U-
1.	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 ministry before the project is commissioned for operations. Discharge of	of 750 KLD Treated sewage	and presently utile water is tested on the KSPCB norms  Stipulated	Result for
	treated sewage shall conform the norms & standards of the Karnataka State Pollution Control Board.	pH BOD₅ E-Coli Turbidity	Limit 6 to 9 ≤10 mg/l None ≤2 NTU	Mar 21 6.85 4 None 0.1
2.	Rainwater harvesting for roof run- off and surface run off as per the plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.	Rainwater colle and is allowed increase the wa ponds are creat	ected in rain water to percolate to gater table. Six rain	r harvesting ponds
3.	The solid waste generated should be properly collected and segregated before disposal to the municipal facility. The in vessel bio-conversion technique should be used for composting the organic waste.	segregated before the food court balance sent to waste, cardboard for making company segregated and Average solid waste, Food Waste Paper	ore disposal. Food vis partially converted piggeries. Tissurds etc. are used in	as follows onth / Month

4.	Any hazardous waste including biomedical waste	Yes, authoriza	tion is obtained from KSPCB for	
İ	should be disposed off as per the applicable Rules	es disposal of hazardous waste and biomedical waste.		
	and norms with necessary approval of the			
	Karnataka State Pollution Control Board.			
			l and E waste vendors are in place.	
			azardous waste authorization is 30 <sup>th</sup>	
		June 2020.	azardous waste authorization is 50	
5.	The green belt design along the periphery of the		nrogress Sanlings planted to the	
	plot shall achieve attenuation factor conforming	Planted and in progress. Saplings planted to the extent of 1,691 trees during the period. Impetus is		
	to the day and night noise standards prescribed for		ng of rare, indigenous, threatened and	
	residential land use. The open spaces inside the		ecies. Over 2.2 lakh trees of 300	
	plot should be suitably landscaped and covered		en planted till date.	
	with vegetation of indigenous variety.		*	
	with vegetation of indigenous variety.		om outside the campus which would	
			oyed are transplanted and nurtured in	
		belt area.	0 acres of land is developed as green	
_	Year-word 11 d' 1 1 dt 1 1 dt 1 1 dt 1 1 dt 1 dt			
6.	Incremental pollution loads on the ambient air		oring is carried out and reports are	
à b	quality; noise and water quality should be	maintained at th		
	periodically monitored after commissioning of	-	Result for Mar 21	
	the project.	PM10	$37 \text{ ug/m}^3$	
	, * * a	SPM	5 ug/m <sup>3</sup>	
		SO <sub>2</sub>	BDL	
9 0		NO <sub>2</sub>	BDL	
		O <sub>3</sub>	ND	
	r	NH <sub>3</sub>	ND	
21	6	CO	ND	
10		Ambient noise	levels are below 75 dB during day	
2 -2	3		65 dB during night time.	
7.	Application of solar energy should be	All remote sec	urity stations are solar powered &	
	incorporated for illumination of common areas,	solar water heat	ing is used with an intention to utilize	
	lighting for gardens and street lighting in addition	available natu	ral resources and prevent any	
	to provisions for solar water heating. A hybrid		age or wastage of raw materials.	
	system or fully solar system for the complex		e harnessed 80% of our energy	
	should be provided. Details in this regard should		om wheeled energy for our campus.	
	be submitted to the SEIAA.		estalled capacity of 25 KL of solar	
			nd solar panel of 1000 KW exists.	
8.	Traffic congestion near the entry and exit points		ng facilities are provided within our	
	from the roads adjoining the proposed project site		widened near the exit / entry points	
	must be avoided. Parking should be fully		fic congestion. No public space is	
	internalized and no public space should be		parking. Construction of multi-level	
	utilized.	_	ompleted and is used for parking	
		vehicles.	impleted and is ased for parking	
9.	A Report on the energy conservation measures		eing constructed is following the	
ñ.,	confirming to energy conservation norms	_	rk for energy efficiency. SDB3	
	finalized by the Board of Energy Efficiency	building LEED		
	should be prepared incorporating details about	Junuanig DEED	Continue.	
	building materials & technology, R & U Factors			
	outland materials of technology, it of Tactors		W .	

	etc and submitted to the ministry three months time.	
	Part B: 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. Infosys is the First Indian Company to Join RE100 Renewable Energy Campaign. As part of our commitment to RE100, we aims to become carbon neutral.
2.	Half yearly monitoring report should be submitted to the ministry and the Regional Office Bangalore.	Yes, we are submitting the half yearly report in December and June every year.
3.	Officials from the Department of Environment and Ecology, Bangalore/ Regional Office of MoEF, Bangalore who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and	Agreed and is followed
	documents / data by the project proponents during their inspection. A complete set of all the document submitted to MoEF/SEIAA should be forwarded to the CCF, Regional Office at MoEF, Bangalore / Department of Environment and Ecology Bangalore.	
4.	In the case of any charge(s) in the scope of the project, the project would required a fresh appraisal by this Authority.	No changes implemented so far. For any further changes, prior clearance will be obtained.
5.	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.	Accepted
6.	All other statutory clearances such as the approval for storage of diesel from Chief Controller of Explosive, Fire Department, Civil Aviation Department, Forest Conservation Act,	We have obtained the following consent from the authorities  - Water and air consent from KSPCB  - Hazardous waste consent from KSPCB

	1980 and Wildlife (Protection) Act 1972 etc. shall	- Biomedical waste authorization from
5	be obtained, as applicable by project proponents	KSPCB
1	from the competent authorities.	- HSD storage license from Chief controller
	.45	of Explosives
		- Medical center registration from Karnataka
		Private Medical Establishment Authority.
		- Fire NOC from fire department
7.	The project proponent should advertise in at least	Done during the initial stage
	two local Newspapers widely circulated in the	II
	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 Karnataka	
	State Pollution Control board and may also be	2 Z
	seen on the website of the SEIAA, Karnataka at	
	http://www.Seiaa.kar.nic.in.The advertisement	
	should be made within 7 days from the day of	9
	issue of the Regional Office of the MoEF at	
	Bangalore / Department of Environment and	
	Ecology, Bangalore.	
8.	These stipulations would be enforced among	Accepted. We are complying with all the rules and
	others under the provisions of Water (Prevention	regulations laid against our project. We have
	and Control of Pollution) act 1974, the air	obtained the following consent from the authorities
	(Prevention and Control of Pollution) act 1981,	- Water and air consent from KSPCB
	the Environment (Protection) Act, 1986, the	- Hazardous waste consent from KSPCB
100	public Liability (Insurance) Act, 1991 and EIA	- Biomedical waste authorization from
	Notification, 2006.	KSPCB
	Notification, 2000.	- HSD storage license from Chief controller
		of Explosives
		- Medical center registration from Karnataka
		Private Medical Establishment Authority.
13	Environmental clearance is subject to obtaining	Not Applicable
15,	clearance under the wildlife (protection) act 1972	Tiot Application
	from the competent authority (if applicable)	
14	Environmental clearance is subjected to final	Agreed
	order of the Hon'ble supreme court of India in the	*
	matter of Goa foundation vs union of India in writ	*
	matter of Goa foundation vs union of India in writ petition (civil) no.460 of 2004 as may be	