Date: 30/06/2022

To,
The Additional Director (S),
Ministry of Environment and Forest and Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur, Maharashtra-440001.

Sub: Submission of Environment Clearance letter compliance report of (July 2021 to December-2021) for our project "TATA Communications IDC (Internet Data Centre) Complex "by TATA Communications Ltd. at Dighi, Pune

Ref: 1. Revalidated EC letter no. SEIAA-2018/CR-139Est
2. SEAC-2010/CR.709/TC.2 dated 9th June, 2011
3. EC letter dated 16th March 2009

Respected Sir,

We are submitting herewith the Data sheet, work status, point wise compliance to various stipulations laid down by the State Level Environment Impact Assessment Authority, Maharashtra in its clearance letter SEAC-2010/CR.709/TC.2 dated 9th June, 2011 along with the necessary enclosures.

This is for your kind consideration and records. Kindly acknowledge the same.

Thanking you,

Yours Sincerely,

For TATA Communications Ltd.

Sr. Manager

Authorized Signatory Basant Tiwari

TATA COMMUNICATIONS LIMITED PUNE

Encl:
Part A: Data Sheet
Part B: Work Status
Part C: Point wise compliance status
Part D: Annexures

Compliance to Stipulated Conditions in Environment Clearance

(July 2021– December 2021)

FOR

"TATA Communications IDC (Internet Data Centre) Complex"

At

Dighi, Pune

By

TATA Communications Ltd.

For Submission to:

Ministry of Environment, Forest & climate change

(MoEF&CC)

Table of Contents

PART A DATA SHEET

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment, Forest and Climate Change

Western Region, Regional Office, Nagpur

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		:	Building & Construction project
2.	Name of the project		:	Expansion Of TATA Communications IDC (Internet Data Centre) Complex at Dighi Pune.
3.	Clearance letter (s) / OM No. and Date		:	1. Revalidated EC letter no. SEIAA-2018/CR-139Est dated 20.12.2018 2. Environmental Clearance Vide Letter No. SEAC-2010/CR.709/TC.2 dated 9th June, 2011 3. Previous EC dated 16 March 2009
4.	Location		:	
	a.	District (S)	:	Pune
	b.	State (s)	:	Maharashtra
	c.	Latitude/ Longitude	:	Latitude:18º36′14.04″, Longitude73º51′52.32″
5.	Address for correspondence			
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	:	M/s Tata Communications Ltd. Sr.no. 56 & 57, A2, Pune-Alandi Road, Dighi, Tal. Haveli, Dist. Pune- 411015
	b.	Address of Project: Engineer/Manager (with pin code/ Fax numbers)	:	
6.	Salient features			
	a.	of the project	:	Total Plot Area: 10,03,612.60 Sq.m. FSI area: 4,53,185.6 Sq.m Non FSI area: 1,04,232.7 Sq.m

				Total BUA: 5,57,418.3 Sq.m **30 Nos of Building:** Commercial Buildings, Offices, IDC Block, GMBA Block, Training facility, HVAC Room, DG room, Power substation, Network area, club cafeteria, Kitchen, MLCP's.
	b.	of the environmental management plans	:	1. Sewage treatment Plant: 1 No of STP of capacity 500KLD is installed at site. 2. Rain water harvesting: It is recharged through recharge pits for harvesting after filtration & 1 No of RWH tank (Capacity 2 Lac Liter) 3. Solid Waste Management a) Biodegradable waste is treated in OWC b) Dry waste is collected by Authorized vendor c) E-waste is collected by Authorized dealer d) Hazardous waste (DG lube oil) is handed over to an Authorized dealer e) STP sludge is used as manure.
7.	Breakup of the project area		:	
	a.	Submergence area forest & non-forest	:	Project is located in non-forest area
	b.	Others	:	NA
8.	Breakup of the project affected Population with enumeration of Those losing houses / dwelling units Only agricultural land only, both Dwelling units & agricultural Land &landless labourers /artisan		:	Not Applicable.
	a.	SC, ST/Adivasis	:	Not Applicable

	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	Not Applicable
9.	Financial details		:	
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference :		
	1.	Estimated Cost of the Project	:	Rs. 370 Crores (As per EC)
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	**During Operation Phase:** Capital Cost: 1860 Lakh O & M Cost: Rs. 46.50 Lakhs
	c.	Benefit cost ratio / Internal rate of Return and the year of assessment	:	
	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	
	e.	Actual expenditure incurred on the project so far	:	Rs. 199.56 Cr
	f.	Actual expenditure incurred on the environmental management plans so far		STP O & M cost: 15.72 Lakhs OWC O & M Cost: 4.040 Lakhs Horticulture development: 6.95Lakhs Tree Plantation: 0.34 Lakhs Rain Water Harvesting: 0.99 Lakhs Dam Development: 1.5 Lakhs
10.	Forest land requirement		:	Not Applicable
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory	:	Not Applicable

<table>
<tr><td></td><td></td><td>afforestation, it any</td><td></td><td colspan="3"></td></tr>
<tr><td></td><td>d.</td><td>Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far</td><td>:</td><td colspan="3">Not Applicable</td></tr>
<tr><td>11.</td><td colspan="2">The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), it any with quantitative information</td><td>:</td><td colspan="3">Not Applicable</td></tr>
<tr><td>12.</td><td colspan="2">Status of construction</td><td></td><td>Sr. No</td><td>Building Name & number</td><td>Status</td></tr>
<tr><td></td><td></td><td></td><td></td><td>1</td><td>1 No of IDC 1 type data center building</td><td rowspan="13">Construction work is completed.</td></tr>
<tr><td></td><td></td><td></td><td></td><td>2</td><td>1 No of IDC-2 type data center building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>3</td><td>1 No of IDC-3 type data center building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>4</td><td>1 No of HVAC plant</td></tr>
<tr><td></td><td></td><td></td><td></td><td>5</td><td>1 No of C.M.B. building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>6</td><td>1 No of Electrical Substation</td></tr>
<tr><td></td><td></td><td></td><td></td><td>7</td><td>1 No of Power plant</td></tr>
<tr><td></td><td></td><td></td><td></td><td>8</td><td>1 No of GIS substation</td></tr>
<tr><td></td><td></td><td></td><td></td><td>9</td><td>1 No of cafeteria Block</td></tr>
<tr><td></td><td></td><td></td><td></td><td>10</td><td>1 No of A-10 type Office building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>11</td><td>1 No of A-11 type Office building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>12</td><td>1 No of GCSC office building</td></tr>
<tr><td></td><td></td><td></td><td></td><td>13</td><td>1 No of Chiller Block</td></tr>
</table>

				14	1 No of Block A
				15	16 No. of remaining Buildings
					Construction work is not started.
	a.	Date of commencement (Actual and/or planned)	:	2009	
	b.	Date of completion (Actual and/or planned)	:	January 2015	
13.	Reasons for the delay if the Project is yet to start		:	NA	
14	Dates of site visits				
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	NA	
	b.	Date of site visit for this monitoring report	:	NA	
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits)		:	Not Applicable	
	(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)		:	Agreed	

2 PART B CURRENT STATUS OF WORK

Sr. No.	Building Name & Number	Status as on 31/12/2021	Status of the Environmental Management Facilities
1	1 No of IDC 1 type data center building	Construction work is completed	• STP is installed. • OWC is Installed • Plantation of trees across road sides, building sides, plot boundary is completed.
2	1 No of IDC-2 type data center building 1 No of IDC-3 type data center building		
3	1 No of HVAC plant		
4	1 No of C.M.B. building		
5	1 No of Electrical Substation		
6	1 No of Power plant		
7	1 No of GIS substation		
8	1 No of cafeteria Block		
9	1 No of A-10 type Office building		
10	1 No of A-11 type Office building		
11	1 No of GCSC office building		
12	1 No of Chiller Block		
13	1 No of Block A		
14	1 No of IDC 1 type data center building		
15	16 No. of remaining Buildings	Construction work is not started.	

PARTC – ENVIRONMENT CLEARANCE COMPLIANCE REPORT

Point wise compliance to various stipulations laid down by the MoEF & CC in Environment Clearance Letter File No. SEAC-2010/CR./709/TC.2 Dated 9th June 2011 are as follows

3.1 SPECIFIC CONDITIONS:		
I	This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with request to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Agreed.
II	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. 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.	Noted. 1 No. of 500 KLD STP is installed. Plantation of trees across road sides, building sides, plot boundary is completed. Water requirement is fulfilled by the MIDC.
III	The height Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Height, built up area of construction is accordance with the existing FSI /FAR norms. Maximum height: 22 meter Existing built-up area as per EC: 557418.3 Sq.m.
IV	"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 order No. Format 1.0/BO/JD (WPC)/UAN No. 056935/CE/CC 190500251 Dated- 04/05/2019 is obtained for the project.

V	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	During construction phase of part project mobile toilets were provided with sanitary facilities such as safe drinking water, clinic and crèche etc. for labors.
VI	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, creche and First Aid Room etc.	During construction phase of part completed project following provision made available for workers. • Regular supply of Drinking water was made available at site • Clinic with ambulance was provided at labour camp for regular checkup for workers. • mobile toilets were provided on site • Crèche provided.
VII	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.	Regular supply of Drinking water will be made available at site. Drinking Water sample analysis report is attached as **Annexure 2.6.** Mobile toilets were provided for construction worker. Solid waste generated was collected separately for dry & wet waste and handed over to authorized vendor
VIII	The Solid waste generated should be properly collected and segregated. Dry/ Inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Solid waste is being collected separately as dry & wet waste. In operation phase dry waste is collected by authorized agency. Wet waste is treated in OWC
IX	Wet garbage should be treated by composting method and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the	• Collection of the segregated solid waste shall be done. Final screening shall be done with dedicated efforts, inside a shade on raised platform.

	premises. Local authority should ensure this.	• Wet garbage used as manure for gardening after treatment in OWC.
X	Arrangement shall be made that waste water and storm water do not get mixed.	Construction Phase- Sewage was collected by mobile toilet vendor hence doesn't get mixed with storm water. Operation phase - During operation phase 100% waste water have been treated in STPs.
XI	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	All the topsoil excavated material was used for land leveling. Topsoil was used for landscaping.
XII	Additional soil for levelling 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.	Construction work of part project is completed and we have used additional soil for levelling.
XIII	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Green Belt is being developed by considering CPCB guidelines/local norms including selection of plant species with consultation with the Local Landscape consultant. Trees on site: about 2917 trees are planted.
XIV	Disposal of muck during construction phase should not create adverse effect on the neighbouring 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.	During construction phase excavated material and construction waste was stored within project premises and used for leveling within project site. It was not sent outside the project premise.
XV	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants	There is no use of ground water envisaged in the project area. Therefore, this condition is not applicable to the project. Soil Monitoring reports are attached as **Annexure 2.7.**

XVI	Construction spoils, including bituminous material 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 into the ground water.	We are not using any bituminous material/ hazardous material of any type at the site
XVII	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	No hazardous waste was generated hence not applicable. Spent oil generated from DG set is handed over DG set vendor during operation & maintenance of DG set.
XVIII	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	We have used low sulphur diesel type DG Sets during construction phase. We have installed 49 No. of 2250 KVA and 3 No of 3000 kVA DG set during operation phase. Acoustic enclosures have been provided for the DG set. Emission monitoring report is attached as **Annexure 2.2**
XIX	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	DG sets are used only during power failure. Diesel is procured as and when required from nearby authorized dealer. Required diesel to run DG set is stored in HSD tank. We have PESO approval certificate for the same & which is attached as **Annexure 3**
XX	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.	Vehicles operated during non-peak hours. Standard of construction vehicles was checked regularly including PUC certificate.

XXI	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.	Ambient air and noise Monitoring report enclosed. **Annexure 2.1** respectively As per the monitoring data noise levels found to be within prescribed standards.
XXII	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th-August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Yes, we used fly ash for building material in the construction as per provision of Fly Ash Notification of September 1999 and amended as on 25th January, 2016.
XXIII	Ready mixed concrete must be used in building construction	We used ready mixed concrete during construction phase.
XXIV	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipments etc. as per National Building Code including measures from lighting.	Agreed.
XXV	Storm water control and its re-use as per CGWB and BIS standards for various applications.	We have provided rain water harvesting pits and Rain water harvesting tanks (capacity 2 Lac liter) for part project. Size and No. of rainwater harvesting pits: 2Nos of 3 x2 m size. Under construction: Rainwater harvesting pits: 12 x 8 x 3.1m of 297.6 KLD Rainwater harvesting tanks: 1 nos. capacity 2 Lac liter
XXVI	Water demand during construction should be reduced by use of pre-mixed concrete. curing agents and other best practices	We have used pre mixed concrete during construction phase

	referred.	
XXVII	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	We are not using ground water and there is no bore well located within project premise. Hence ground water monitoring not conducted
XXVIII	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 operation. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	1 no. of STPs of 500KLD have been installed for the treatment of sewage. STP Inlet & outlet sample analysis report enclosed as **Annexure 2.4 &2.5**
XXIX	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB	We have obtained Consent to Operate from MPCB Consent No. Format1.0/BO/JD (WPC)/UAN-092271/CO/CC-2011000982 dated 13.11.2020
XXX	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	Noted. We are not drawing any ground water. Permission will be obtained before doing so.
XXXI	Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.	During operation phase 100% waste water have been treated in STPs. And treated water is recycled for gardening & flushing. We have provided dual plumbing line for separation of grey and black water.
XXXII	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices	Low flow fixtures will be used for showers, toilet flushing and drinking

	or sensor-based control.	in operation phase.
XXXIII	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.	During construction phase temporary labour hutments are provided. Use of glass will be limited up to 40% in completed buildings.
XXXIV	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement	At present no construction work is going on but we used appropriate thermal insulation material for proposed buildings by using appropriate thermal insulation material to fulfill Energy Conservation Building Code requirement
XXXV	Energy conservation measures like installation of CFL /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.	Energy conservation measures like: • Solar PV Panels are provided. • Exterior lighting to be controlled by photo sensor or time switch • Solar water heating for minimum 20 % design capacity • Using T5 fixture with electronic ballast against T8. FTL fixtures with electromagnet ballast all building.
XXXVI	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	DG set are with acoustic canopy & confirming the rules made under the Environment (Protection) Act 1986. 49 x 2250 KVA and 3000 kVA DG sets are provided on site, and stack height is be kept as per CPCB norms.

	may be decided with in consultation with Maharashtra Pollution Control Board.	
XXXVII	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	No noise generating work was carried out during night time. Noise Monitoring report is enclosed **Annexure 2.3.**
XXXVIII	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.	There is already internal parking so, that there is no use of public space.
XXXIX	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 aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement	We have provided appropriate thermal insulation for buildings
XL	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation	We have maintained Sufficient distance between two buildings which facilitate movement of fresh air, light & ventilation.
XLI	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.	Construction work was supervised by Project Engineer and qualified supervisors
XLII	Under the provisions of Environment (Protection) Act. 1986. legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Environmental clearance obtained vide letter No. SEAC-2010/CR.709/TC.2 dated 9th June,2011. Revalidation of EC obtained vide letter no. SEIAA-2018/CR-139Est dated 20.12.2018 Please refer **Annexure 1**
XLIII	Six monthly monitoring reports should be submitted to the Department and MPCB.	We are submitting six monthly monitoring reports regularly to the

	(xliv) A complete set of all the documents submitted to Department should be forwarded to the MPCB	regional office MoEF, Nagpur with copy to MPCB department.
XLIV	A complete set of all the documents submitted to Department should be forwarded to the MPCB	We are submitting 6 monthly reports regularly along with necessary documents to RO MoEF&CC, Nagpur and MPCB.
XLV	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted.
XLVI	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Agreed.
XLVII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environmental Management Cell is supervised by Project Engineer and qualified supervisors.
XLVIII	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. This cost shall be included as part of the project cost. The funds earmarked for the environment protection measures	Noted. We are submitting herewith funds allocated for Environmental Management Plan (EMP). During operational Phase: Total set up Cost: 1860.5 Lakhs O & M cost: 46.50 Lakhs
XLIX	The project management shall advertise at least in two local newspapers 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://envis.maharashtra.gov.in.	Advertisement was not published in Newspaper erroneously. We herewith assure that we will publish advertisement in newspaper for proposed expansion in EC.
L	Project management should submit half yearly compliance reports in respect of the	We are submitting 6 monthly reports regularly along with necessary

	stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year,	documents to RO MoEF, Nagpur and MPCB
LI	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/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.	Website is under maintenance. Once the website will be working we will upload the copy of EC certificate.
LII	The proponent shall upload the status of compliance of the stipulated EC 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. SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral 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.	Noted.
LIII	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.	Yes, we regularly submit 6 monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to Regional Office of MoEF the respective Zonal Office of CPCB and the SPCB.
LIV	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	Noted. We are submitting environmental statement report to MPCB for each financial year. It is attached as **Annexure 4.**

	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.	

PART D – ANNEXURES

Annexure 1 Copy of Environmental Clearance Letter

Environment Clearance Letter: Revalidated EC letter no. SEIAA-2018/CR-139Est dated 20.12.2018

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

SEIAA-2018/CR-139Est
Environment Department
Room No. 217, 2nd Floor,
Mantralaya,
Mumbai- 400032.
Date: 20.12.2018

To,
M/s Tata Communications Limited,
VSB, Mahatma Gandhi Road, Fort,
Mumbai - 400 001.

Sub : Revalidation of EC granted to M/s Tata Communications for Tata Communications IDC Complex at Pune-Alandi Road, Haveli, Pune

Ref : 1. Your application received for revalidation vide letter dt.31.07.2018.
2. Minutes of 139th meeting of SEIAA dated 28.09.2018.
3. Earlier EC no SEAC-2010/CR.709/TC.2 dated 9th June, 2011

Sir,

With reference to above subject matter, it is noted that, you have received Environment Clearance vide above ref. (3). Your proposal for revalidation was considered in 139th meeting of SEIAA dated 28.09.2018 and as per decision taken in the meeting, the environment clearance granted vide above ref.(3) is revalidated for a period up to 07.06.2025.

The terms and conditions stipulated in the EC letter vide above ref.(3) will remain same.

(Anil U. Diggikar)
Principle Secretary
& Member Secretary, SEIAA

Environment Clearance Letter: Environmental Clearance Vide Letter No. SEAC-2010/CR.709/TC.2 dated 9th June, 2011

Government of Maharashtra

FileNo.:SEAC-2010/CR.709/TC.2
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 9th June, 2011

To,
M/s. TATA Communications Ltd.
Plot C 21 & C36, 'G' Block,
Bandra Kurla Complex,
Vidynagari PO, Mumbai – 400 098

Subject: Expansion of TATA Communications IDC (Internet Data Centre) Complex at Dighi Pune by M/s. TATA Communications Ltd. - Environmental clearance regarding.

Sir,

This has reference to your communication dated 31st May, 2010 on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee, Maharashtra in its 35th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 35th meeting held on 11th March, 2011.

2. It is noted that the proposal is for grant of Environmental Clearance for Expansion of TATA Communications IDC (Internet Data Centre) Complex at Dighi Pune by M/s. TATA Communications Ltd. SEAC considered the project under screening category is 8(b) as per EIA Notification 2006.

Project proponent got Environmental Clearance on 16th March, 2009 from MOEF: but now as there is expansion in the proposal, project proponent applied for Environmental Clearance.

Brief Information of the project is summarized as below-

Name of the Project	Expansion of TATA Communications IDC Complex
Project Proponent	M/s. TATA Communications Ltd.
Location of the project	at Dighi, Pune
Type of Project	Construction Project
Total Plot Area	10,03,612.60 sq. m.
Proposed Total built up area	As per FSI : 4,53,185.6 Sq. m. Non FSI : 1,04,232.7 sq.m. Total construction area : 5,57,418.3 sq. m.
Estimated cost of the project	₹ 370 Cr

Buildings details		30 nos. of building : commercial buildings , offices, IDC block, GMBA Block, Training facility, HVAC Room, DG room, power substation , network area, club, cafeteria, kitchen. MLCP's
Max. Height of the building		22 m

Water Requirement:

Water Requirement:

Phase I : 362 m^3/day
Fresh water: 69 m^3/day from MIDC
Recycled water: 133 m^3/day
Phase II : 1193 m^3/day
Fresh water: 371 m^3/day from MIDC
Recycled water : 714 m^3/day
Wastewater generated: 891 m3/day
The entire waste water generated from the project will be treated through proposed STP
Capacity of STP: 900 CMD; Zero discharge
Treated water will be used for flushing, gardening and HVAC make up.

Solid Waste Generation:

Operation Phase:

- Wet waste – 2 T/day
- Dry waste – 4.1 T/day
- STP sludge: 0.07 T/day

Disposal:

- Segregation of dry and wet garbage will be done at source
- Dry garbage as inert/recyclable waste such as plastics, glass, metals, rubber will be deposited at landfill site.
- Wet garbage/biodegradable waste will be composted .
- E-waste will be disposed as per e-waste management .
- STP sludge will be used as manure.

Rain water Harvesting:

- Rainwater will be stored in tanks.
- Excess storm water will be send into storm water drains.

Energy: 40 MVA
DG Set: 3 X 3 MVA and 5 x 9 MVA

Energy Conservation:

- Maximize the use of natural lighting through architectural design.
- The building will be designed in such a way that the public areas can be cooled by natural ventilation.
- Use of CFL.
- Constant monitoring of energy consumption and defining targets for energy conservation.
- Switching off common area/external lighting.
- Passive solar design refers to the use of the suns energy for the heating and cooling of living spaces.

Green Belt Development: 57,500 Sq. m.; Trees to be planted: 4000 trees + existing: 430 nos.

Traffic Management: Multi Level Car Parking facility will be proposed for 4000 Cars.

Environment Management Plan: Capital cost: ₹ 1860.5 lakhs ; O & M cost: ₹ 46.50 lakhs.

3. The proposal has been considered by SEIAA in its 35th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :-

(i) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with request to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(ii) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. 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.

(iii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. ULB should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

(iv) "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.

(v) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(vi) 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.

(vii) 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.

(viii) The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material

(ix) Wet garbage should be treated by composting method 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.

(x) Arrangement shall be made that waste water and storm water do not get mixed.

(xi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(xii) 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.

(xiii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xiv) 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.

(xv) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.

(xvi) Construction spoils, including bituminous material 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 into the ground water.

(xvii) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

(xviii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.

(xix) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xx) 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.

(xxi) 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.

(xxii) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

(xxiii) Ready mixed concrete must be used in building construction.

(xxiv) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xxv) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xxvi) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxvii) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxviii) 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 operation. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Treatment of 100% gray water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Maharashtra Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.

(xxix) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(xxx) Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.

(xxxi) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxxii) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

(xxxiii) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on airconditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xxxiv) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement

(xxxv) 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.

(xxxvi) Diesel power generating sets proposed as source of back up 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.

(xxxvii) 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.

(xxxviii) 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.

(xxxix) 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 aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement

(xl) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation

(xli) 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.

(xlii) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

(xliii) Six monthly monitoring reports should be submitted to the Department and MPCB.

(xliv) A complete set of all the documents submitted to Department should be forwarded to the MPCB

(xlv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

(xlvi) No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.

(xlvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(xlviii) Separate funds shall be allocated for implementation of environmental protection measures/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.

(xlix) The project management shall advertise at least in two local newspapers 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://envis.maharashtra.gov.in.

(l) 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 1st June & 1st December of each calendar year.

(li) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/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.

(lii) The proponent shall upload the status of compliance of the stipulated EC 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, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral 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.

(liii) 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.

(liv) 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.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. This environmental clearance is issued as per EIA Notification, 2006. If any part of the plot is affected by CRZ then project proponent should obtain NOC from MCZMA as per FSI applicability. If there is change in building plan accordingly, project proponent should approach SEIAA with corrected plans.

6. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

7. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

8. **Validity of Environment Clearance**: The environmental clearance accorded shall be valid for a period of 5 years.

9. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

10. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

11. Any appeal against this environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30days as prescribed under Section 11 of the National Environmental Appellate Act, 1997.

(Valsa R ~~Nair Singh~~).
Secretary, Environment
department & MS, SEIAA

Copy to:

1. Shri. Ashok Basak, IAS (Retd.), Chairman, SEIAA, 502, Charleville, 'A' Road, Church gate, Mumbai- 400 020, Maharashtra.

2. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEAC, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.

3. Additional Secretary, MOEF, 'Paryavaran Bhawan' CGO Complex, Lodhi Road, New Delhi – 110510

4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016), (MP).

6. Regional Office, MPCB, Pune.

7. Collector, Pune.

8. IA- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.

9. Director (TC-1), Dy. Secretary (TC-2), Scientist-1, Environment Department.

10. Select file (TC-3).

Annexure 2 Monitoring Reports

Annexure 2.1 Ambient Air Monitoring Report

trust accuracy competency
umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/124

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/A/414		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As Per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer :			
Monitoring For	Ambient Air Monitoring		
Sampling Location	Near New STP Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Sampling Duration	24hr	Start of Analysis	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	End of Analysis	20/11/2021
Sampling Procedure	As Per Respective IS/APHA/EPA guidelines		
Limits Reference	As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009		
Start Time	12/11/2021-9:45 am	End Time	13/11/2021 10:00am
Lateral Distance	5.0m from the source	Receptor Height	1.5m from ground level
Ambient Temperature	27.5°C	Humidity	60 %
Wind Speed (Km/Hr*)	12 km/h	Wind Direction	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	47.04	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	64.07	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	21.0	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	16.51	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	2.14	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	16.89	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit
Remark if any : Results are within NAAQ Standard limit

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

trust accuracy competency

umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF – CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/124

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	**URL/21-22/11/A/415**		
Name of Customer	**Tata Communications Ltd.**		
Address of Customer	**TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015**		
Order / Reference	**As Per Purchase Order-77047104 Dated 25/03/2021**		
Sample declaration as provided by customer :			
Monitoring For	**Ambient Air Monitoring**		
Sampling Location	**Near Meeting Room Area**		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	**Sample Received On**	13/11/2021
Sampling Duration	24hr	**Start of Analysis**	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	**End of Analysis**	20/11/2021
Sampling Procedure	**As Per Respective IS/APHA/EPA guidelines**		
Limits Reference	**As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009**		
Start Time	12/11/2021-10:00 am	**End Time**	13/11/2021 10:15am
Lateral Distance	5.0m from the source	**Receptor Height**	1.5m from ground level
Ambient Temperature	27.6°C	**Humidity**	60%
Wind Speed (Km/Hr*)	12 km/h	**Wind Direction**	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	45.70	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	62.28	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	23.36	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	15.33	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	1.71	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	16.92	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit Remark if any : Results are within NAAQ Standard limit

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

Umwelt Research Lab Pvt. Ltd. Pune

-End of Report-

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , **Email:** info@umweltlab.com, **Website:** www.umweltlab.com

Format No :URL /LAB/F/124

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/416		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As Per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer :			
Monitoring For	Ambient Air Monitoring		
Sampling Location	Near Power Front Side Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Sampling Duration	24hr	Start of Analysis	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	End of Analysis	20/11/2021
Sampling Procedure	As Per Respective IS/APHA/EPA guidelines		
Limits Reference	As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009		
Start Time	12/11/2021-10:15 am	End Time	13/11/2021 10:30 am
Lateral Distance	5.0m from the source	Receptor Height	1.5m from ground level
Ambient Temperature	27.8 °C	Humidity	61 %
Wind Speed (Km/Hr*)	12 km/h	Wind Direction	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	41.67	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	66.76	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	25.39	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	19.04	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	2.24	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	18.27	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit Remark if any : Results are within NAAQ Standard limit

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570

Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

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- Food, Environmental & Microbiological Analysis
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- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/124

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/417		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As Per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer :			
Monitoring For	Ambient Air Monitoring		
Sampling Location	Near CMB Front SideArea		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Sampling Duration	24hr	Start of Analysis	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	End of Analysis	20/11/2021
Sampling Procedure	As Per Respective IS/APHA/EPA guidelines		
Limits Reference	As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009		
Start Time	12/11/2021-10:45 am	End Time	13/11/2021 11:00am
Lateral Distance	5.0m from the source	Receptor Height	1.5m from ground level
Ambient Temperature	27.8 °C	Humidity	60%
Wind Speed (Km/Hr*)	12 km/h	Wind Direction	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	43.01	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	60.93	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	20.63	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	17.62	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	1.67	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	19.75	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit **Remark if any : Results are within NAAQ Standard limit**

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. * Pune *

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

trust accuracy competency

umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/124

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/A/418		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As Per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer :			
Monitoring For	Ambient Air Monitoring		
Sampling Location	Near CMB Back Side Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Sampling Duration	24hr	Start of Analysis	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	End of Analysis	20/11/2021
Sampling Procedure	As Per Respective IS/APHA/EPA guidelines		
Limits Reference	As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009		
Start Time	12/11/2021-11:00 am	End Time	13/11/2021 11:15 am
Lateral Distance	5.0m from the source	Receptor Height	1.5m from ground level
Ambient Temperature	27.9°C	Humidity	61 %
Wind Speed (Km/Hr*)	12 km/h	Wind Direction	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	49.73	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	59.59	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	24.25	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	16.68	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	1.86	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	17.29	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit Remark if any : Results are within NAAQ Standard limit

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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Format No :URL /LAB/F/124

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	**URL/21-22/11/A/419**		
Name of Customer	**Tata Communications Ltd.**		
Address of Customer	**TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015.**		
Order / Reference	**As Per Purchase Order-77047104 Dated 25/03/2021**		
Sample declaration as provided by customer :			
Monitoring For	**Ambient Air Monitoring**		
Sampling Location	**Near IDC Front Side Area**		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	**Sample Received On**	13/11/2021
Sampling Duration	24hr	**Start of Analysis**	13/11/2021
Sample Container	Filter paper, Absorbing Sol. Charcoal Tube	**End of Analysis**	20/11/2021
Sampling Procedure	**As Per Respective IS/APHA/EPA guidelines**		
Limits Reference	**As Per National Ambient Air Quality Standards (NAAQS)for GSR 826 (E)Dated 16/11/2009**		
Start Time	12/11/2021-11:15 am	**End Time**	13/11/2021 11:30am
Lateral Distance	5.0m from the source	**Receptor Height**	1.5m from ground level
Ambient Temperature	27.7 °C	**Humidity**	62 %
Wind Speed (Km/Hr*)	12 km/h	**Wind Direction**	East To West

Parameters	Results	Limits	Units	Method
Particulate Matter $PM_{2.5}$	40.32	<60	µg/m³	IS 5182 (Part 24) :RA 2019
Particulate Matter PM_{10}	65.86	<100	µg/m³	IS 5182 (Part 23):RA 2017
Sulphur Dioxide SO_2	21.38	<80	µg/m³	IS 5182 (Part 2):RA2017
Nitrogen Dioxide NO_2	15.53	<80	µg/m³	IS 5182 (Part 6):RA2017
Ammonia as NH_3	2.12	<400	µg/m³	CPCB Guideline
Carbon Monoxide CO	BDL(DL-0.1)	<2	mg/m³	IS 5182 (Part 10):RA2019
Lead as Pb	BDL(DL-0.1)	<01	µg/m³	IS 5182 (Part 22):RA2019
Ozone as O_3	16.89	<100	µg/m³	IS 5182 (Part 09): RA2019
Nickel as Ni	BDL(DL-0.01)	<20	ng/m³	CPCB Guideline
Arsenic as As	BDL(DL-0.01)	<6	ng/m³	CPCB Guideline
Benzene as C_6H_6	BDL	<05	µg/m³	IS 5182 (Part 11):RA2017
Benzo(a)pyrene as BaP	BDL	<01	ng/m³	IS 5182 (Part 12):RA2019

BDL- Below Detection Limit **Remark if any : Results are within NAAQ Standard limit**

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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Annexure 2.2 DG Set emission monitoring report

trust accuracy competency
umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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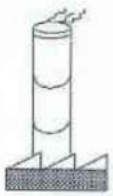
TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/A/420		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer:			
Sample Description	Stack Emission Monitoring For Generator		
Batch No.	NS		
Sample Drawn by / Date	Laboratory 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	NS	Start of Analysis	13/11/2021
Sample Container	Thimbles,Absorbing Solution	End of Analysis	20/11/2021
Sampling Procedure	Each analytical method covers the sampling procedure as well		
Limits of Reference	As per MPCB Consent		

Stack Details



Attached To	DG Set 1 (1250 KVA)		
Shape	Round	Height	30 mtr
Dimensions	0.4 m	Temperature	375°K
Material of Construction	MS	Type of Fuel	HSD
Velocity of Flue Gases	8.01 m/sec		
Gas flow rate at NTP	2880.14 Nm^3/hr		
Consumption of Fuel	30(Lit/hr.)		

Parameters	Results	Limits	Units	Method
Sulphur Dioxide (SO2)	19.42	NS	mg/Nm^3	IS 11255 (Part- 2) 1985 RA 2019
Oxides of Nitrogen (NOx)	16.18	NS	mg/Nm^3	IS 11255 (Part- 7 1985 RA 2017
Particulate Matter (TPM)	65.71	<150*	mg/Nm^3	IS 11255 (Part- 1) 1985 RA 2019
Carbon Monoxide (CO)	71.69	NS	mg/Nm^3	EPA Method 3A 2017
Non Methane Hydro Carbons (NMHC)	0.64	NS	mg/Nm^3	EPA Method 18

Note:- NS – Not Specified , NA- Not Applicable, BDL-Below Detection Limit
*-limits as per MPCB Consent

Remark : Reference to above results the values for TPM are within the prescribed limits.

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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umwelt

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- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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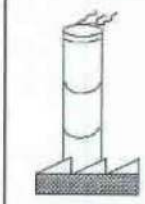
TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/421		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As Per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as provided by customer:			
Sample Description	Stack Emission Monitoring		
Batch No.	NS		
Sample Drawn by / Date	Laboratory 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	NS	Start of Analysis	13/11/2021
Sample Container	Thimbles,Absorbing Solution	End of Analysis	20/11/2021
Sampling Procedure	Each analytical method covers the sampling procedure as well		
Limits of Reference	As Per MPCB Consent		

Stack Details



Attached To	DG Set 2 (1250 KVA)		
Shape	Round	Height	30 mtr
Dimensions	0.4 m	Temperature	376 °K
Material of Construction	MS	Type of Fuel	HSD
Velocity of Flue Gases	7.75 m/sec		
Gas flow rate at NTP	2778.74 Nm^3/hr		
Consumption of Fuel	25 (Lit/hr.)		

Parameters	Results	Limits	Units	Method
Sulphur Dioxide (SO2)	24.75	NS	mg/Nm^3	IS 11255 (Part- 2) 1985 RA 2019
Oxides of Nitrogen (NOx)	17.85	NS	mg/Nm^3	IS 11255 (Part- 7 1985 RA 2017
Particulate Matter (TPM)	69.89	<150*	mg/Nm^3	IS 11255 (Part- 1) 1985 RA 2019
Carbon Monoxide (CO)	81.34	NS	mg/Nm^3	EPA Method 3A 2017
Non Methane Hydro Carbons (NMHC)	0.73	NS	mg/Nm^3	EPA Method 18

Note:- NS – Not Specified NA- Not Applicable,
BDL-Below Detection Limit

Remark : Reference to above results the values for TPM are within the prescribed limits.

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pune * Pvt. Ltd. *

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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Annexure 2.3 Noise Monitoring report

trust accuracy competency

umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/430		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	New STP Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Lateral Distance	1.5 meter from Ground level	Sampling Duration	24 hr .

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/112021	10.00	53.2	12/11/2021	22.00	50.1
12/11/2021	11.00	54.5	12/11/2021	23.00	50.3
12/11/2021	12.00	55.2	13/11/2021	00.00	50.1
12/11/2021	13.00	54.1	13/11/2021	01.00	48.2
12/11/2021	14.00	55.2	13/11/2021	02.00	48.9
12/11/2021	15.00	52.1	13/11/2021	03.00	44.3
12/11/2021	16.00	55.2	13/11/2021	04.00	44.2
12/11/2021	17.00	54.1	13/11/2021	05.00	44.3
12/11/2021	18.00	53.5	13/11/2021	06.00	50.2
12/11/2021	19.00	55.9	13/11/2021	07.00	52.1
12/11/2021	20.00	54.3	13/11/2021	08.00	54.1
12/11/2021	21.00	54.3	13/11/2021	09.00	52.1
Average Day Time Leq dB(A)		53.5	Average Night Time Leq dB(A)		49.56

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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trust accuracy competency

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- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF - CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/127

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/431		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	Meeting Room Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Lateral Distance	1.5 meter from Ground level	Sampling Duration	24 hr .

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/11/2021	11.00	54.3	12/11/2021	23.00	48.2
12/11/2021	12.00	54.3	13/11/2021	00.00	44.3
12/11/2021	13.00	55.3	13/11/2021	01.00	44.4
12/11/2021	14.00	54.3	13/11/2021	02.00	48.4
12/11/2021	15.00	54.7	13/11/2021	03.00	49.3
12/11/2021	16.00	54.9	13/11/2021	04.00	44.3
12/11/2021	17.00	50.2	13/11/2021	05.00	48.9
12/11/2021	18.00	50.2	13/11/2021	07.00	50.2
12/11/2021	19.00	50.1	13/11/2021	08.00	52.3
12/11/2021	20.00	54.1	13/11/2021	09.00	54.3
12/11/2021	21.00	53.2	13/11/2021	10.00	55.2
12/11/2021	22.00	50.3	13/11/2021	06.00	49.2
Average Day Time Leq dB(A)		53.03	Average Night Time Leq dB(A)		48.7

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. Pune

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- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/127

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/432		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	Power House Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Lateral Distance	1.5 meter from Ground level	Sampling Duration	24 hr.

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/11/2021	12.00	54.1	13/11/2021	00.00	50.4
12/11/2021	13.00	54.3	13/11/2021	01.00	50.3
12/11/2021	14.00	54.3	13/11/2021	02.00	50.3
12/11/2021	15.00	55.3	13/11/2021	03.00	44.3
12/11/2021	16.00	54.3	13/11/2021	04.00	44.3
12/11/2021	17.00	53.1	13/11/2021	05.00	44.9
12/11/2021	18.00	54.5	13/11/2021	06.00	50.2
12/11/2021	19.00	53.2	13/11/2021	07.00	49.5
12/11/2021	20.00	54.3	13/11/2021	08.00	49.2
12/11/2021	21.00	51.3	13/11/2021	09.00	50.2
12/11/2021	22.00	51.2	13/11/2021	10.00	54.1
12/11/2021	23.00	52.5	13/11/2021	11.00	55.3
Average Day Time Leq dB(A)		52.95	Average Night Time Leq dB(A)		49.72

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. * Pune *

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

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Format No :URL /LAB/F/127

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/433		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	CMB Front Side Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Lateral Distance	1.5 meter from Ground level	Sampling Duration	24 hr .

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/11/2021	11.00	50.3	12/11/2021	23.00	51.3
12/11/2021	12.00	50.4	13/11/2021	00.00	50.2
12/11/2021	13.00	50.3	13/11/2021	01.00	48.9
12/11/2021	14.00	54.9	13/11/2021	02.00	44.5
12/11/2021	15.00	55.1	13/11/2021	03.00	40.2
12/11/2021	16.00	53.9	13/11/2021	04.00	42.1
12/11/2021	17.00	53.5	13/11/2021	05.00	42.9
12/11/2021	18.00	54.9	13/11/2021	06.00	45.1
12/11/2021	19.00	53.1	13/11/2021	07.00	49.2
12/11/2021	20.00	52.9	13/11/2021	08.00	49.2
12/11/2021	21.00	52.7	13/11/2021	09.00	49.7
12/11/2021	22.00	50.3	13/11/2021	10.00	50.3
Average Day Time Leq dB(A)		50.45	Average Night Time Leq dB(A)		48.1

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
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- ISO 45001 : 2018

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Format No :URL /LAB/F/127

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/434		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	CMB Back Side Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	**Sample Received On**	13/11/2021
Lateral Distance	1.5 meter from Ground level	**Sampling Duration**	24 hr .

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/11/2021	12.00	49.3	13/11/2021	00.00	45.9
12/11/2021	13.00	50.1	13/11/2021	01.00	44.9
12/11/2021	14.00	51.4	13/11/2021	02.00	44.7
12/11/2021	15.00	52.3	13/11/2021	03.00	42.1
12/11/2021	16.00	50.4	13/11/2021	04.00	44.3
12/11/2021	17.00	50.7	13/11/2021	05.00	44.3
12/11/2021	18.00	50.2	13/11/2021	06.00	48.9
12/11/2021	19.00	49.3	13/11/2021	07.00	48.3
12/11/2021	20.00	48.3	13/11/2021	08.00	47.9
12/11/2021	21.00	47.3	13/11/2021	09.00	47.3
12/11/2021	22.00	44.3	13/11/2021	10.00	49.3
12/11/2021	23.00	45.1	13/11/2021	11.00	48.3
Average Day Time Leq dB(A)		49.56	Average Night Time Leq dB(A)		45.5

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Format No :URL /LAB/F/127

TEST REPORT

Reporting Date: 22/11/2021

Sample / Report No.	URL/21-22/11/A/435		
Name of Customer	Tata Communications Ltd.		
Address of Customer	TTDC,Alandi,Road,Dighi,Pune Maharashtra ,411015		
Order / Reference	As per Purchase Order-77047104 Dated 25/03/2021		
Sample declaration as customer :			
Monitoring For	Ambient Noise		
Sampling Location	IDC Building Area		
Sample Drawn by / Date	Laboratory/12/11/2021 To 13/11/2021	Sample Received On	13/11/2021
Lateral Distance	1.5 meter from Ground level	Sampling Duration	24 hr .

Date	Time, hr	Leq dB(A)	Date	Time, hr	Leq dB(A)
12/11/2021	13.00	50.3	13/11/2021	01.00	44.9
12/11/2021	14.00	50.3	13/11/2021	02.00	44.3
12/11/2021	15.00	52.1	13/11/2021	03.00	44.7
12/11/2021	16.00	50.4	13/11/2021	04.00	42.1
12/11/2021	17.00	50.3	13/11/2021	05.00	42.9
12/11/2021	18.00	50.3	13/11/2021	06.00	44.3
12/11/2021	19.00	50.9	13/11/2021	07.00	49.3
12/11/2021	20.00	49.3	13/11/2021	08.00	47.3
12/11/2021	21.00	48.7	13/11/2021	09.00	47.9
12/11/2021	22.00	47.3	13/11/2021	10.00	49.3
12/11/2021	23.00	40.3	13/11/2021	11.00	49.2
13/11/2021	00.00	44.3	13/11/2021	12.00	49.8
Average Day Time Leq dB(A)		49.32	Average Night Time Leq dB(A)		45.42

Limits : Maharashtra Pollution Control Board has Prescribed 75dB(A)as an upper limit of noise level during Day time and 70dB(A)during night time

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

-End of Report-

Umwelt Research Lab Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Annexure 2.4 STP Inlet

Format No: URL/LAB/F/46

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/WW/410		
Name of Customer	Tata Communication Ltd.		
Address of Customer	S.No. 56 & 57 ,A2 Alandi Road Dighi		
Order / Reference	As per Sample dated TRF 09/10/2021		
Sample declaration as provided by customer:			
Nature of Sample	STP Inlet (500KLD)		
Batch No.	NA		
Sample Drawn by / Date	Lab-Akshay Gadge / 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	2lit+250ml	Start of Analysis	13/11/2021
Sample Container	Plastic Can + Sterilized Container	End of Analysis	18/11/2021
Sampling Procedure	APHA1060-Part B + IS1622:2019		
Limits of Reference	NA		

Parameters	Results	Units	Method
Chemical Test			
pH	6.59	--	APHA 23rd Edition 4500 H+(Part B):2017
Total Suspended Solids	195.0	mg/L	APHA 23rd Ed.2540(part D):2017
Chemical Oxygen Demand (COD)	611.76	mg/L	IS 3025 (Part 58):2017
Biochemical Oxygen Demand (BOD) 3 days at 27°C	153.0	mg/L	IS 3025 (Part 44):2019
Ammonical Nitrogen as NH_3-N	11.09	mg/L	APHA 23rd Edition 4500NH3(Part C):2017
Microbiological Testing			
Fecal Coliform	900	MPN/100ml	IS1622:2019

Note:NA- Not Applicable,
NS- Not Specified

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Format No: URL/LAB/F/46

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/WW/410		
Name of Customer	Tata Communication Ltd.		
Address of Customer	S.No. 56 & 57 ,A2 Alandi Road Dighi		
Order / Reference	As per Sample dated TRF 09/10/2021		
Sample declaration as provided by customer:			
Nature of Sample	STP Inlet (500KLD)		
Batch No.	NA		
Sample Drawn by / Date	Lab-Akshay Gadge / 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	2lit+250ml	Start of Analysis	13/11/2021
Sample Container	Plastic Can + Sterilized Container	End of Analysis	18/11/2021
Sampling Procedure	APHA1060-Part B + IS1622:2019		
Limits of Reference	NA		

Parameters	Results	Units	Method
Chemical Test			
Total kjeldhal Nitrogen	19.96	mg/L	APHA 23rd Ed.4500.N_{Org} (Part B.)2017

Note:NA- Not Applicable,
NS- Not Specified

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

- End of Report -

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Annexure 2.5 STP Outlet

trust accuracy competency
umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development

- MoEF – CC
- ISO 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

TC 9283

Format No: URL/LAB/F/46

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/WW/411		
Name of Customer	Tata Communication Ltd.		
Address of Customer	S.No. 56 & 57 ,A2 Alandi Road Dighi		
Order / Reference	As per Sample dated TRF 09/10/2021		
Sample declaration as provided by customer:			
Nature of Sample	STP Outlet (500KLD)		
Batch No.	NA		
Sample Drawn by / Date	Lab-Akshay Gadge / 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	2lit+250ml	Start of Analysis	13/11/2021
Sample Container	Plastic Can + Sterilized Container	End of Analysis	18/11/2021
Sampling Procedure	APHA1060-Part B + IS1622:2019		
Limits of Reference	MPCB Limits as Per Customer Consent		

Parameters	Results	Limits	Units	Method
Chemical Test				
pH	7.13	6.5-9.0	--	APHA 23rd Edition 4500 H+(Part B):2017
Total Suspended Solids	<5.0	<20.0	mg/L	APHA 23rd Ed.2540(part D):2017
Chemical Oxygen Demand (COD)	15.69	<50.0	mg/L	IS 3025 (Part 58):2017
Biochemical Oxygen Demand (BOD) 3 days at 27°C	4.0	<10.0	mg/L	IS 3025 (Part 44):2019
Ammonical Nitrogen as NH_3-N	1.11	<5.0	mg/L	APHA 23rd Edition 4500NH3(Part C):2017
Microbiological Testing				
Fecal Coliform	17.0	<100	MPN/100ml	IS1622:2019

Note:NA- Not Applicable,
NS- Not Specified

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Format No: URL/LAB/F/46

TEST REPORT

Reporting Date:22/11/2021

Sample / Report No.	URL/21-22/11/WW/411		
Name of Customer	Tata Communication Ltd.		
Address of Customer	S.No. 56 & 57 ,A2 Alandi Road Dighi		
Order / Reference	As per Sample dated TRF 09/10/2021		
Sample declaration as provided by customer:			
Nature of Sample	STP Outlet (500KLD)		
Batch No.	NA		
Sample Drawn by / Date	Lab-Akshay Gadge / 13/11/2021	Sample Received On	13/11/2021
Sample Quantity	2lit+250ml	Start of Analysis	13/11/2021
Sample Container	Plastic Can + Sterilized Container	End of Analysis	18/11/2021
Sampling Procedure	APHA1060-Part B + IS1622:2019		
Limits of Reference	MPCB Limits as Per Customer Consent		

Parameters	Results	Limits	Units	Method
Chemical Test				
Total kjeldhal Nitrogen	2.77	<10	mg/L	APHA 23rd Ed.4500.N_{org} (Part B.)2017

Note:NA- Not Applicable,
NS- Not Specified

Remark : Above Parameters are well within Prescribe MPCB Consent Limits

Mrs. Prajakta Kulkarni
(VP Techno Commercial)
Authorized Signatory

- End of Report -

Umwelt Research Lab Pvt. Ltd. Pune

Umwelt Research Lab Private Limited | CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 , Email: info@umweltlab.com, Website: www.umweltlab.com

Annexure 2.6 Potable Water Analysis Report

EHS MATRIX
PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India
+91 91585 60571 / +91 95796 84751 / +91 90961 85285
www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	**EHSM/2021/Nov/R-704**	**Issue Date**	**30 /11/2021**
Name and Address of Customer	**M/s. . Tata Communications Ltd., Sr.No. 56 & 57, Pune-Alandi Road, Dighi, TAL. Haveli, Dist. Pune 411015**		
Sample Name	Water	**Sample Description**	Drinking Water
Date of Sampling	22/11/2021	**Sampling Time**	12.55 PM
Sampling Location	Within Site UGWT for Occupied Building	**Sampling Procedure**	APHA 1060
Sampling Collected by	EHS Matrix Pvt.Ltd, Pune	**Sample Quantity**	02 L
Start Date of Analysis	23/11/2021	**End Date of Analysis**	29/11/2021

Results

Sr. No.	Parameters	Results	Unit(s)	Requirement (Acceptable Limit)	Methods
1	Colour	<3	Hazen	Max. 5	APHA 2120 B ,23rd Ed.2017
2	Turbidity	<1	NTU	Max. 1	APHA 2130 B ,23rd Ed.2017
3	pH at 25^{0}C	7.85	--	6.5 to 8.5	APHA 4500 H+ A ,23rd Ed.2017
4	EC at 25^{0}C	695	µS/cm	--	APHA 2510 B, 23rd Ed.2017
5	Total Dissolved Solids TDS	412	mg/L	Max.500	APHA 2540 C, 23rd Ed.2017
6	Total Hardness(as $CaCO_3$)	168.9	mg/L	Max.200	IS 3025(Part 21):2009
7	Total Alkalinity (as $CaCO_3$)	163.0	mg/L	Max.200	IS 3025 (Part 23):1986
8	Sulphate(as SO_4)	39.4	mg/L	Max.200	IS 3025 (Part 24):1986
9	Nitrate (as NO_3)	2.5	mg/L	Max.45	APHA 4500 NO_3, 23rd Ed.2017
10	Fluoride (as F)	<0.1	mg/L	Max.1.0	APHA 4500 F, 23rd Ed.2017
11	Residual Free Chlorine	0.2	mg/L	Min.0.2	APHA 4500 Cl , 23rd Ed.2017
12	Chloride (as Cl)	49.0	mg/L	Max.250	APHA 4500 Cl-, 23rd Ed.2017
13	Calcium (as Ca)	48.5	mg/L	Max.75	IS 3025 (Part 40):1991
14	Magnesium(as Mg)	16.1	mg/L	Max.30	IS 3025(Part 46):1994
15	Iron (as Fe)	0.28	mg/L	Max. 0.3	APHA 3111 , 23rd Ed.2017
16	Total Coliform	Absent	MPN/100ml	<2	IS 1622:1981
17	E.coli.	Absent	MPN/100ml	<2	IS 1622:1981

Remark- The above water sample is Comply with required limit as per IS 10500:2012.

EHS Matrix Pvt. Ltd. PUNE

Authorized Signatory
Miss. Aishwarya Shetty
(Technical Manager)

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik

Branch Office Address :
F-01, Shakuntala Complex,

CERTIFICATIONS :
ISO 9001 : 2015

Annexure 2.7 Soil Analysis Report

EHS MATRIX
PRIVATE LIMITED

Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India
+91 91585 60571 / +91 95796 84751 / +91 90961 85285
www.ehsmatrix.co.in ehsmatrixpune@gmail.com

TEST REPORT

Report No:	**EHSM/2021/Nov/R-703**	**Issue Date**	**30 /11/2021**
Name and Address of Customer	**M/s. Tata Communications Ltd., Sr.No. 56 & 57, Pune-Alandi Road, Dighi, TAL. Haveli, Dist. Pune 411015**		
Sample Name	Soil	**Sample Description**	Soil
Date of Sampling	22/11/2021	**Sampling Time**	10.05 AM
Sampling Location	Within TCL Premises	**Sampling Procedure**	--
Sampling done by	EHS Matrix Pvt Ltd, Pune	**Sample Quantity**	02 Kg
Start Date of Analysis	23/11/2021	**End Date of Analysis**	29/11/2021

Results

Sr. No.	Parameters	Results	Unit(s)	Methods
1	Organic Matter	0.740	%	IS 2720(Part 22) 1972
2	Alkalnity	66.0	mg/Kg	IS 3025(Part 23)
3	Acidity	<5	mg/Kg	By Titration
4	C:N Ratio	1.35	--	By Calculation
5	Boron	1.20	mg/Kg	Manual Of Soil Testing
6	Lead	<0.1	mg/Kg	Manual Of Soil Testing
7	Copper	0.82	mg/Kg	Manual Of Soil Testing
8	Zinc	6.80	mg/Kg	Manual Of Soil Testing
9	Iron	4.10	mg/Kg	Manual Of Soil Testing
10	Manganese	108.0	mg/Kg	Manual Of Soil Testing
11	Chromium	<0.1	mg/Kg	Manual Of Soil Testing

EHS Matrix Pvt. Ltd. PUNE

Authorized Signatory
Miss. Aishwarya Shetty
(Technical Manager)

Laboratory Recognized by Ministry of Environment, Forest (MoEF) & Climate Change (CC) Govt. of India.
S.O. 3511 (E), Dated 24th August 2021 valid till 9th September 2023.

Register Office Address :
C-7, Omkar Kudale Patil Estate, Manik

Branch Office Address :
F-01, Shakuntala Complex,

CERTIFICATIONS :
ISO 9001 : 2015

Annexure 3 PESO Certificate

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)
Petroleum & Explosives Safety Organisation (PESO)
ए-1 और ए-2 विंग, पाँचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर
नवी मुंबई (महा.)- 400614
A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),
Mumbai - 400614

E-mail jtccemumbai@explosives.gov.in
Phone/Fax No : 022 - 27575846,27573881

संख्या /No. : P/WC/MH/15/2178 (P231974)

दिनांक /Dated . 26/03/2019

सेवा में /To,

TATA COMMUNICATIONS LTD,
VSB MAHATMA GANDHI ROAD,
FORT,
Mumbai,
Mumbai,
Taluka: Mumbai,
District: MUMBAI,
State: Maharashtra
PIN: 400001

Regd

विषय /Sub Plot No, S.No.- 56,57, PUNE- ALANDI ROAD, AT - DIGHI, District: PUNE, State: Maharashtra, PIN: 999999 में स्थित पेट्रोलियम वर्ग B अधिष्ठापन - पेट्रोलियम नियम 2002 के अंतर्गत प्रारूप XV में जारी अनुज्ञप्ति सं P/WC/MH/15/2178 (P231974) – संशोधन के संदर्भ में ।

Existing Petroleum Class B Installation at Plot No, S.No.- 56,57, PUNE- ALANDI ROAD, AT - DIGHI, District: PUNE, State: Maharashtra, PIN: 999999- Licence No. P/WC/MH/15/2178 (P231974) - granted in form XV under Petroleum Rules 2002 - Amendment regarding

महोदय /Sir (s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या - दिनांक 01/02/2019 का संदर्भ ग्रहण करें ।

Reference to your letter No. - dated 01/02/2019 on the above subject.

दिनांक 31/12/2026 तक वैध अनुज्ञप्ति संख्या P/WC/MH/15/2178 (P231974) दिनांक 26/03/2019 निम्नलिखित वर्ग एवं मात्राओं में पेट्रोलियम भंडारण के लिए यथा संशोधित कर इस पत्र के साथ लौटाई जा रही है ।

Licence No. P/WC/MH/15/2178 (P231974) dated 26/03/2019 valid upto 31/12/2026 is returned herewith duly amended with respect to Capacity Amendment,

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्ति क्षमता /Quantity licenced in Kl.
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A, in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B, in bulk	110.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C, in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total	**110.00 KL**

कृपया पावती दें।
Please acknowledge the receipt.

Note : Your Balance Amount with the Organisation is Rs [illegible] which will be used for processing of the same Licence in future

भवदीय /Yours faithfully

((ए. के. श्रीवास्तव))
(A.K.Srivastava))
विस्फोटक नियंत्रक
Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
नवी मुंबई (महा.)/Mumbai

Copy forwarded to :-
1. The Commissioner of Police,Pune , PUNE(Maharashtra) with reference to his NOC No Nil Dated 29/09/2009

For Jt. Chief Controller of Explosives
Mumbai

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट - http://peso.gov.in देखें)
(For more information regarding status,fees and other details please visit our website: http://peso.gov.in)

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
ए-1 और ए-2 विंग, पाँचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर
नवी मुंबई (महा.)- 400614
A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),
Mumbai - 400614

E-mail : jtccemumbai@explosives.gov.in
Phone/Fax No : 022 - 27575946,27573881

संख्या /No. : P/WC/MH/15/2393 (P456256)

दिनांक /Dated : 29/07/2020

सेवा में /To,

M/s. STT Global Data Centres India Pvt Ltd,
C/o M/s Tata Communications Ltd., Sy. No. 56 & b57, Jade Building , Pune-Alandi Road, Tal- Haveli,
Dighi,
Haveli,
Taluka: Haveli,
District: PUNE,
State: Maharashtra
PIN: 411015

विषय /Sub : Plot No. 56+57,, Alandi Road, Dighi, District- 411015, Dighi, Haveli, Taluka: Haveli, District: PUNE, State: Maharashtra, PIN: 411015 में पेट्रोलियम वर्ग B का अधिष्ठापन -अनुज्ञप्ति जारी करने के बारे में ।
Petroleum Class B installation at Plot No, 56+57,, Alandi Road, Dighi, District- 411015, Dighi, Haveli, Taluka: Haveli, District: PUNE, State: Maharashtra, PIN: 411015 Grant of License regarding.

महोदय /Sir (s),

कृपया आपके पत्र क्रमांक - दिनांक 19/06/2020 का अवलोकन करें ।
Please refer to your letter No. - dated 19/06/2020

विषयान्तर्गत अधिष्ठापन में निम्नलिखित पेट्रोलियम पदार्थों के वर्ग तथा मात्रा के भंडारण के लिए पेट्रोलियम नियम, 2002 के अधीन प्ररूप - XV में स्वीकृत, दिनांक 31/12/2029 तक वैध अनुज्ञप्ति संख्या P/WC/MH/15/2393 (P456256) दिनांक 29/07/2020 भेजी जा रही है ।
Licence No. P/WC/MH/15/2393 (P456256) dated 29/07/2020 granted in Form XV under the Petroleum Rules, 2002 and valid till 31/12/2029 for the storage of the following kinds and quantities of Petroleum at the subject installation is forwarded herewith.

पेट्रोलियम का विवरण /Description of Petroleum	लिसेंसीदत्त में अनुज्ञप्त क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	316.00 KL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C,otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	316.00 KL

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें और अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्ती की तारीख या उससे पूर्व इस कार्यालय को प्रेषित करें ।
Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for further renewal of the licence to this office, so as to reach on or before the date on which licence expires.

यह अनुमोदन/ अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/स्वीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है ।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

((डा.विवेक कुमार)
(Dr Vivek Kumar))
विस्फोटक नियंत्रक
Controller of Explosives
कृते संयुक्त मुख्य विस्फोटक नियंत्रक
For Jt. Chief Controller of Explosives
नवी मुंबई (महा.)/Mumbai

Copy forwarded to :-
1. The Commissioner of Police, PUNE(Maharashtra) with reference to his NOC No Licence Br./Petroleum class-B/F.NOC/2020/2855 Dated 18/06/2020

For Jt. Chief Controller of Explosives
Mumbai

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट http://peso.gov.in देखें)
(For more information regarding status,fees and other details please visit our website http://peso.gov.in)

Note:-This is system generated document does not require signature.

Print Back

भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
ए-1 और ए-2 विंग, पाँचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलापुर
नवी मुंबई (महा.)- 400614
A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),
Mumbai - 400614

E-mail : **jtccemumbai@explosives.gov.in**
Phone/Fax No : **022 - 27575946,27573881**

संख्या /No. : **P/WC/MH/15/2413 (P467486)** दिनांक /Dated : **05/05/2021**

सेवा में
/To,

M/s. STT Global Data Centres India Pvt. Limited,
C/o. M/s Tata Communications Ltd,,
Sy.no.56 & 57, Jade Building, Pune - Alandi Road,,
Taluka: Haveli,
District: PUNE,
State: Maharashtra
PIN: 411015

विषय /Sub : **Survey No, 56 & 57, Jade BUilding, Pune-Alandi Road, Dighi, Pune City, Taluka: Haveli, District: PUNE, State: Maharashtra, PIN: 411015** में पेट्रोलियम वर्ग B का अधिष्ठापन -अनुज्ञप्ति जारी करने के बारे में ।

Petroleum Class B Installation at Survey No, 56 & 57, Jade BUilding, Pune-Alandi Road, Dighi, Pune City, Taluka: Haveli, District: PUNE, State: Maharashtra, PIN: 411015 Grant of License regarding.

महोदय
/Sir(s),

कृपया आपके पत्र क्रमांक **OIN770422** दिनांक **24/03/2021** का अवलोकन करें ।

Please refer to your letter No. **OIN770422** dated **24/03/2021**

विषयान्तर्गत अधिष्ठापन में निम्नलिखित पेट्रोलियम पदार्थों के वर्ग तथा मात्रा के भंडारण के लिए पेट्रोलियम नियम, 2002 के अधीन प्ररूप - XV में स्वीकृत, दिनांक **31/12/2030** तक वैध अनुज्ञप्ति संख्या **P/WC/MH/15/2413 (P467486)** दिनांक **05/05/2021** भेजी जा रही है ।

Licence No. **P/WC/MH/15/2413 (P467486)** dated **05/05/2021** granted in Form XV under the Petroleum Rules, 2002 and valid till **31/12/2030** for the storage of the following kinds and quantities of Petroleum at the subject installation is forwarded herewith.

पेट्रोलियम का विवरण /Description of Petroleum	किलोलीटरों में अनुज्ञप्त क्षमता /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	**NIL**
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	**NIL**
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	**316.00 KL**
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	**NIL**
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	**NIL**
	NIL

Annexure 4 Environmental Statement

Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V
Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number	Submitted Date
MPCB-ENVIRONMENT_STATEMENT-0000026559	19-09-2020

Company Information

Company Name	Application UAN number
Tata Communications Ltd	0000088499

Address
S.N. 56, 57, A2, Pune Alandi Road, Dighi, Pune

Plot no	Taluka	Village
S. N 56,57, A2	Haveli	Dighi
Capital Investment (In lakhs)	**Scale**	**City**
16800	LSI	Pune
Pincode	**Person Name**	**Designation**
411015	Mr. Laxmi Amur	Director
Telephone Number	**Fax Number**	**Email**
9225684159	02266395162	KVP.SunilKumar@tatacommunications.com
Region	**Industry Category**	**Industry Type**
SRO-Pimpri-Chinchwad		other
Last Environmental statement submitted online	**Consent Number**	**Consent Issue Date**
yes	Format 1.0/BO/JD(WPC)/UAN088499/CR/CC-2007001019	15/07/2020

Consent Valid Upto
28.02.2024

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
IT/ITES Activity	0	0	SqFeet/Y

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	SqFeet/Y

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0	0
Cooling	0	0
Domestic	155	150
All others	500	475
Total	655	625

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Environmental Monitoring	Water Testing and Air Monitoring	4 Lakh
Operation and Maintenance of STP	Operation and Maintenance of STP	15 Lakh

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	***Environmental Protection Measures***	***Capital Investment (Lacks)***
Environmental Monitoring	Water Testing and Air Monitoring	4.50 Lakh
Operation and Maintenance of STP	Operation and Maintenance of STP	18 Lakh

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

We M/s Tata Communications Ltd having unit at Dighi, Pune wish to inform you that we are herewith submitting you the ESr for F.Y 19-20

Name & Designation

Mr. Laxmi Amur, Director

Annexure 5 Acknowledgment of Previously Submitted Post EC Compliance Report

Letter no –

Date 30.11.2020

To,
The Addl. Principal Chief Conservator of Forests (C),
Ministry of Env., Forest and Climate Change
Regional Office(WCZ),Ground Floor
East Wing, New Secretariat Building,
Civil Lines, Nagpur-440001

Sub: Compliance to the Environmental clearance accorded by Department of Environment Government of Maharashtra for the Expansion of TATA Communications IDC (Internet Data Centre) Complex at Dighi Pune. Total Plot Area of 10,03,612.60 Sq. m. having total built up area 5,57,418.3 Sq.m

Ref : Environmental clearance File No.: SEAC – 2010/CR.709/TC.2 dated 9th June, 2011

Respected Sir,

With reference to above, please find enclosed here with the status of compliance for the period of April to December 2020.

Following documents are enclosed towards compliance –
1. Data sheet
2. point wise compliance of EC conditions
3. Annexure - 1 (Environmental Monitoring report)
4. Annexure – 2 (Environmental statement submitted for year 2019-20)

Hope you will find in line with the requirement.

Thanks & Regards

For TATA COMMUNICATIONS LTD

KVP Sunilkumar
Encl- as above

TATA COMMUNICATIONS
Tata Communications Limited
Pune - Alandi Road, Dighi, Pune 411 015 India. Tel : +9120 6734 7774
Regd. Office : VSB, Mahatma Gandhi Road, Fort, Mumbai 400 001 India. CIN : L64200MH1986PLC039266
Tel : +91 22 6657 8765 Fax : +91 22 6639 5162 Website : www.tatacommunications.com