Environmental Clearance Six Monthly Compliance Report

Mumbai International Airport Limited Terminal 1, Santacruz (East), Mumbai -400099

of

Chhatrapati Shivaji Maharaj International Airport (CSMIA)

> For Period of April 2023 - September 2023



1st December 2023

No: MIAL/ENV/23/34

To, Principal Secretary, Government of Maharashtra, Environment department, Room no. 217, 2nd Floor, Mantralaya Annex, Mumbai - 400032.

Dear Sir,

- Subject: Half yearly Environmental Compliance report of amendment in Environment Clearance for Non-Operational Area (Landside) Development of Chhatrapati Shivaji Maharaj International Airport and construction of Six buildings by M/s Mumbai International Airport Ltd.
- Ref: Environment clearance no. SIA/MH/MIS/127703/2019 dated 31st March 2020, by SEIAA, GoM & File no. SEAC-2010/CR.53/TC-2 dated-1st July 2011, MoEFF&CC.

With reference to the above subject please find enclosed compliance status of EC conditions, for the period of April- 2023 to September- 2023.

We could not upload compliance status on PARIVESH portals because of technical error on portal therefore this is being submitted through email.

Thanking you.

Yours faithfully,

For Mumbai International Airport Limited

Padellal

Mr. Ashwin Noronha Chief Operating Officer (COO)

Encl: Half yearly Environmental Compliance report and annexures.

- CC: 1) Additional PCCF- Ministry of Environment, Forest & Climate Change, Regional office - Nagpur
 - 2) Zonal officer- Central Pollution Control Board, Vadodara
 - 3) Regional officer Maharashtra Pollution Control Board, Sion (E)

Mumbal International Airport Limited

Chhatrapati Shivaji Maharaj International Airport fat Floor, Terminal 18, Santacruz (E), Mumbai 400 099, Maharashtra, India CINI U45200MH2006PLC160164

Tel +97 22 6685 0900 / 6685 0901 csmia adanial/ports.com

Registered office: Office of the Airport Director, Terminal-18, CSMI Airport, Mumbai - 400099, Maharashtra, India

SIX MONTHLY COMPLIANCE REPORT (01.04.2023 to 30.09.2023) Present Status of Compliance to Conditions stipulated in EC no SEAC-2010/CR.53/TC-2 dated: 1st July 2011 & SIA/MH/MIS/1277 03/2019 dated 31.03.2020.

Earlier EC was granted in 2011 for non-operational landside development and construction of six buildings by SEAC. The amendment in EC vide File no. SIA/MH/MIS/127703/2019 dated 31.03.2020 was obtained for the proposed Non-operational area (Landside) Development of CSMIA - Construction of Building No. 1 in Vile Parle, Building No. 2 in Marol & Sahar, Building No. 3 in Sahar in District Mumbai.

In the Environment Clearance approval construction of Four Buildings (after dropping two buildings from previous EC), for 24,19,188 sq. m. of FSI Area of Entire Non-Operational Area (Landside) Development of CSMIA and for 8,77,696.77 sq.m. of Gross Construction Area of Four Buildings were considered.

The amendment proposal pertaining to the 6 buildings consists of:

- Modifications in plans & drawings of building no. 1, 2 and 3.
- Reduction in Overall Construction Area (BUA / FSI).
- Building No. 5 (Multi-Level Car Park-2) is already constructed & operational as approved in EC vide letter SEAC-2010/CR.53/TC-2 dated: 1st July 2011.
- Building No. 4 (Multi-Level Car Park-1) and Building No. 6 (Multi-Level Car Park-3) havebeen shelved.

The EC also includes other lateral infrastructure consists of Transport infrastructure, Roads (at grades, elevated), underpass, Metro connectivity, utilities/services, drainage, sewerage, water supply, recycled water supply network, STPs, etc. pedestrian infrastructure, skywalks, underpass, Personal Rapid Transit (PRT) system.

Compliance status of the conditions stipulated in EC letter is as below:

S.N.	Conditions	Compliance Status
<u>Specific</u>	Conditions:	
Ι.	As agreed by PP, PP to provide Environmental Information Dissemination Centers in the premises as a part of CER activities	Complied, awareness campaigns, information on social media, display of plastic ban on flight information display system has been done. Apart of various environmental awareness programs carried out during the year for spreading awareness on environmental issues & waste management among passengers, nearby communities, and employees i.e., celebration of World environment day, "Harr Ghar Harra Ghar" & single use plastic awareness programs etc. CER

S.N.	Conditions	Compliance Status
Specific (Conditions:	
		activities will be carried out as per applicability.
11.	PP to upload the Metro NOC from MMRCL & also to upload the copy of MoU with MMRCL regarding management of waste, actions for disaster etc. in Metro III station.	Agreed to Comply, Noted and will submit the copy of MoU when CSMIA will commence the project activities.
111.	The PP to get NOC from competent authority with reference to Thane Creek Flamingo Sanctuary if the project site falls within 10 km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC	Not Applicable, As per MoEF&CC notification dtd 14 th October 2021, Eco sensitive zone (ESZ) of Thane Creek Flamingo Sanctuary (TCFS) has been published and the project site falls outside the notified ESZ of TCFS.
IV.	PP to submit CER prescribed by MoEF&CC circular dated 01.05.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or Collector or Environment Department.	Complied As refired the specific condition no.(I)
V.	PP shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF&CC vide F.No.22-34/2018-IA. III dt.04.01.2019.	Agreed to comply.

General C	onditions:	
Ι.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Complied: A waste management plan has been prepared and implemented. Waste generated at MLCP building is collected and disposed to Authorized vendor in compliance of condition. E-waste return filed on 01.06.2023. Refer Annexure -01.
11.	The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms.	Complied. Occupancy Certification was obtained from local authorities. The MLCP building no. 5 was operational after obtaining its 1st consent to operate from MPCB in September 2015. We assure us to abide by the condition for new developments will be undertaken. Refer Annexure -02 for occupancy certificate of MLCP building no. 5.
111.	This Environmental Clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment clearance does not necessarily	Not applicable Refer the specific condition III.

General C	onditions:	
	implies that Forestry & Wildlife clearance	
	granted to the project which will be considered separately on merit.	
IV.	PP has to abide by the conditions stipulated by SEAC& SEIAA.	Agreed to comply.
V.	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 to commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	The approval was obtained for MLCP building and will be Complied for remaining development. Refer Annexure -02 for occupancy certificate and design approval.
VI.	If applicable, 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.	Complied. "Consent to Establish" for MLCP - 2 (bldg. 5) was obtained in Jan 2014 from MPCB and subsequently CTO was obtained before its commissioning in 2015. The existing CTO is valid up to 31.08.2026. New granted on 21.09.2022 & valid for up to 5 years.
VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Complied, Portable toilets were provided for construction workers, facility cleanliness and maintenance has been ensured through inspections.
VIII.	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.	Drinking water and sanitary facilities were provided for construction worker,
IX.	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.	Complied: A waste management system has been implemented and being followed. Waste generated at MLCP is collected along with airside wastes after that it's segregated and channelized to MPCB authorized waste handling agency. Waste handler does the segregation and further channelize for recycling and disposal according to rule.
Х.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in	Agreed to Comply,

General	Conditions:		
	approved sites with the approval of competent authority.		
XI.	Arrangement shall be made that wastewater and storm water do not get mixed.	Complied: Wastewater and Storm water arrangements are made separate at MLCP, and it will be followed for remaining projects.	
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Complied, The topsoil excavated during construction of MLCP building was reused for developing green area/garden at the back of project site. The topsoil will be tested to analyze and identify as an when we propose to reuse during the rest of the development.	
XIII.	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.	Agreed to comply.	
XIV.	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	Complied, At CSMIA, Overall, 14.6 Ha. area is developed under green belt area, further green areas will be developed in line with the airport contextual plan.	
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.	d Agreed to comply.	
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.	Agreed to comply	
XVII.	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	Agreed to Comply.	
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.	Agreed to comply.	
XIX.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	Complied. DG sets are kept for Emergency use and operated only for testing and O&M checks. The diesel is stored in underground tanks. Clearance is taken from the concerned authority (PESO). Refer Annexure 07 for the PESO license	

General C	Conditions:	
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.	Agreed to comply.
XXI.	Ambient noise levels should conform to residential standards both during day and night.	Agreed to comply. Regular ambient noise level monitoring is carried out by the NABL accredited laboratory and all the results during this compliance period have been observed within the limit. Refer Annexure O3 for the monitoring reports.
XXII.	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.	Agreed to comply.
XXIII.	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 27" August 2003. (The above condition is applicable only if the project site is located within the IOOKm of Thermal Power Stations).	Agreed to comply. Fly ash-based building material were used in construction of MLCP -2 and same will be followed for remaining proposed developments in future.
XXIV.	Ready mixed concrete must be used in building construction.	Agreed to comply.
XXV.	Storm water control and its re-use as per CGWB and BIS standards for various applications	Agreed to comply.
XXVI.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Agreed to comply.
XXVII.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Not applicable.

General C	Conditions:	
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 MPCB and Environment Department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/ refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	Complied. State of the art 10, 4 and 1 MLD STP has been installed as part of overall CSMIA (Airside & Landside). The STP design and performance reports were submitted to MPCB during the development and commissioning. The treated water is fully recycled in flushing, HVAC and gardening. It is ensured that the treated water meets the MPCB prescribed limits. Refer annexure -03 of monitoring reports.
XXIX.	Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.	Not applicable.
XXX.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Complied. Separation of grey and black water has been provided at MLCP, which is further being treated by STP. Other building designs will be done as per condition.
XXXI.	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.	Complied. Fixtures for showers, toilet flushing, drinking etc., have been provided. Besides, waterless urinals have been provided. The same will be complied for remaining proposed developments in future.
XXXII.	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.	Agreed to comply.
XXXIII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Agreed to comply.
XXXIV.	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 of /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 streetlights,	Complied. CFL/TFL is used for illumination at the MLCP building. Also, rooftop solar power of capacity 268.4 kWp has been installed at MLCP building for renewable energy source. Used CFL/TFL waste will be disposed of to authorized e-waste recyclers. The same will be complied for remaining proposed developments in future.

General C	onditions:	
	common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	
XXXV.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.	
XXXVI.	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.	Complied. Noise controlled measures as below are being taken, -DG sets are provided acoustic encloser. -Proper traffic management is being implemented and controlled. -Ambient noise level is well within the limit; monitoring is carried out by NABL accredited laboratory. -The same will be complied for remaining proposed developments in future. Refer annexure 03 for monitoring reports.
XXXVII.	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.	
XXXVIII.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non- airconditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	The MLCP has been designed for maximum use of natural light and ventilation.
XXXIX.	The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Complied. The MLCP is located at an adequate distance from the adjacent building to allow sufficient air and natural light received in the building. The same will be considered during the designing phase of remaining developments in future.
XL.	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	Agreed to comply.

General (Conditions:	
XLI.	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.	
XLII.	Six monthly monitoring reports should be submitted to the Regional Office MoEFCC, Nagpur, with copy to this Department and MPCB.	Complied, The last report was submitted on 31 st May- 2023. Refer Annexure -05 for last compliance report submission letter.
XLIII.	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.	
XLIV.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.	obtained for the MLCP building. Complied. Wet waste is being collected and treated in Organic Waste Converter (OWC) machine installed at airport premises for treatment of food waste. The ready compost is being utilized in-house for
XLV.	Local body should ensure that no Occupation Certification is issued prior to operation of STP/ MSW site etc. with due permission of MPCB.	gardening. Complied. Occupation Certification was obtained from local authorities. The MLCP building no. 5 was operational after obtaining its 1 st consent to operate from MPCB in September 2015. The operations of MLCP were associated with the STP and solid waste management systems of CSMIA. The same will be complied for remaining proposed developments in future. Refer Annexure -02 for occupancy certificate obtained for the MLCP building.
XLVI.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Complied.

General C	conditions:	
XLVII.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Agreed to Comply. An amended Environment Clearance has been accorded by SEIAA on 31st Mar 2020 for Non-Aeronautical Area development of CSMIA and Construction of Four Buildings (after dropping two buildings from 2011 EC).
XLVIII.	A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. An independent Environment and Sustainability department is functioning under the leadership of COO and assisted by two Managers.
XLIX.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item-wise breaks- up. These costs 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 be reported to the MPCB & this Department.	Noted and complied. A separate budget for environmental protection measures and initiatives is allocated every year. Approx. INR 30.87 Cr was spent in FY 2023–24 (April-Sep- 23) for STP O&M, waste disposal, greenery maintenance, etc. Also, a separate budget allocated for environmental protection measures and initiatives for capex. Approx. INR 98.80 Cr was spent in FY 2023–24- (April-Sep- 23) to reduce GHG emissions, electric vehicles, low-GWP refrigerant change, and charging station initiatives are implemented.
L.	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 local language, 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://parivesh.nic.in	Complied. Advertisement of EC has been published in 2 local newspapers on 29 th September 2021 in English and Marathi language.
LI.	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.	Agreed and complied. Last report was submitted on 31st May- 2023.
LII.	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.	Copy of Clearance is uploaded on website https://csmia.adaniairports.com/all- reports.aspx>> Environment reports.
LIII.	The proponent shall upload the status of compliance of the stipulated EC conditions,	Agreed and complied.

General C	onditions:	
<u>General C</u>	onditions: including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB. The critical pollutants namely SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sector parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
LIV.	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.	Agreed and complied. The last report was submitted on 31st May -2023. Refer Annexure-05 letter of last report submission
LV.	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 MoEFCC by e-mail.	Complied. Last Form-V- CSMIA (Airside- Landside) was submitted on 12-09-2023. Refer Annexure-O6 - Form-V. Also, available on website website <u>https://csmia.adaniairports.com/all-</u> <u>reports.aspx>> Environment reports.</u>

Annexure -01 FY 23-24 E-Waste return

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FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer/manufacturer/refurbisher/dismantler/recycler/bulk consumer by 30th day of June following the financial year to which that return relates]

Submitted For April 2022-March 2023

Apply As

Bulk Consumer

1. Name of the Bulk Consumer	Address of the Bulk Consumer /recycler
Mumbai International Airport Limited	Chhatrapati Shivaji Maharaj International Airport (CSMIA), Terminal 1, Santacruz (East), Mumbai
2. Name of the authorised person	Full address of authorised person
Sanjay Rathod	Chhatrapati Shivaji Maharaj International Airport (CSMIA), Terminal 1, Santacruz (East), Mumbai
Telephone	Email
02266850778	sanjay.rathod@adani.com

02266850778

Fax

3. BULK CONSUMERS:

Type Printers including cartridges - ITEW 6	Quantity(MT) 0.916
Telephones - ITEW 12	0.916
Others - Others	0.916
Personal Computing: Personal Computers (Central Processing Unit with input and output devices) - ITEW 2	0.916
Personal Computing: Laptop Computers (Central Processing Unit with input and output devices) - ITEW 3	0.916
Copying equipment - ITEW 7	0.916

4. Name of the destination where E-waste is channelized

Address of the destination where E-waste is channelized

Eco Layer E-Waste Recycling

7-80, Shakti Mitra Mandal Mahakaki cave, Road, Andheri, Mumbai 400093, State Code:27

Place

Mumbai

Date Jun 1, 2023 Annexure -O2 Occupancy Certificate of MLCP building no. 5.



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY मुंबई महानगर प्रदेश विकास प्राधिकरण

No. TCP[P-2)/MIAL/CC/3.14/ 497/2016

Date: 2 4 MAY 2010

The Executive Engineer Building Proposal – WS, MCGM Office, K&P Ward, R.K. Patkar Marg, Bandra (W), Mumbai – 400 050.

Sub: Occupancy Certificate to 'Multi Level Car Parking' building on part of plot bearing CTS No. 2085 (pt) at village Vile Parle (E), Mumbai.

Ref : MMRDA's DO no.TCP(P-2)/BKC/M5sc/296/102/2009, dated 30/01/2009

Sir,

MMRDA is the Special Planning Authority for Chhatrapati Shivaji International Airport Notified Area (CSIANA). The Metropolitan Commissioner, MMRDA has approved the proposal for issuance of Occupancy Certificate for 'Multi Level Car Parking Building' (i.e. 2basements + ground + 4upper floors) on part of land bearing CTS No. 2085 (pt) at village Vile Parle (E), Mumbai for Mumbai International Airport Pvt. Ltd., pursuant to the policy enunciated in MMRDA's DO Letter No. TCP (P-2)/BKC/Misc./296/102/2009, dated 30/1/2009.

MMRDA is the Special Planning Authority for Chhatngati Shivaji International Airport Notified Area (CSIANA). Pursuant to the policy enunciated in MMRDA's D.O. letter no.TCP (P-2)/BKC/Mise/296/102/2009 dated 30/01/2009, this is to inform you that the Metropolitan Commissioner, MMRDA has approved the proposal for issuance of Occupancy Certificate to the **Multi Level Car Parking Building' Le. 2basements + ground + 4upper floors** on part of land bearing CTS No. 2085 (pt) at village Vile Parle (E), Mumbal, as per the copy of the completion plant shown on drawings no. 1, 2, 3, 4, 5, 6 and 7 enclosed herewith, along with copy of Occupancy Certificate for 'Multi Level Car Parking Building' (i.e. 2basements + ground + 4upper floors) is insued by MMRDA to the Architect Mr. Hiten Sethi.

Yours faithfully,

\$2 Billio Chief.

T&CP Division, MMRDA

Enel : 1) Occupancy Certificate for Multi-Level Car Parking Bldg (2basement+grd+4upper flrs).
2) A set of certified completion drawings bearing nos.1, 2, 3, 4, 5, 6 and 7.

3) MMRDA's D.O. letter no. TCP(P-2)/BKC/Misc/296/102/2009, deted 30/01/2009.

Copy to:

 Mr. Hiten Sethi (Architect), Hiten Sethi Architects, Ground Floor, Yayati CHS, Plot No.9, Sector – 58A, Palm Beach Road, Nerul, Navi Mumbai 400 706.

Shri. Charudatta Deshmukh,

Director - Urban Planning, MIAL, Urban Planning Dept., 2nd Floor, Terminal 1-B, Chhatrapati Shivaji International Airport, Santacraz (E), Mumbai - 400 099. Received un 25/05/2/01.

1) ING 172-Crs. Director-Urban Planning MIAL CSI Airport, Mumbai - 400 cms

Bandra - Kurta Complex, Bandra (Emrl), Mumbai - 400 051. EPABR : 2558 (001 - 54 (2009 4000 + KAX - 2009 12/4 - WEB BITE) (1001 //www.thinda.maturautris.au



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY मंबई महानगर प्रदेश विकास प्राधिकरण

No. TCP (P-2)/MIAL/CC/3.14/ 793 /2016 Date: 2 4 MAY 1618

OCCUPANCY CERTIFICATE

The total built-up area of 4,023.19sqm for 02 basement + ground + 04 upper floors of Multi Level Car Parking building on part of plot bearing CTS No. 2085 (pt) at village Vile Park (E), Mumbai completed under the supervision of Mr. Hiten Sethi, architect at Hiten Sethi Architects having registration no. CA/93/16484 and Structural Engineer H.R. Mahimtura, having license no. STR/M/63, as reflected in set of as-built drawings having drawing no. 01 to 07 (total drawings 07 nos) is hereby permitted to be occupied on the following conditions:

- 1) This ortificate is liable to be revoked by the Metropolitan Commissioner, MMRDA if
 - a) Any of the conditions subject to which the same is granted or any of the restriction imposed by the Metropolitan Commissioner is contravened or is not complied with;
 - b) The Metropolitan Commissioner, MMRDA is satisfied that the same is obtained through fraud or misinterpretation;
- 2) This permission is issued without prejudice to action, if any, under MR&TP Act, 1966;
- 3) That any change in the constructed premises any time in future would require prior approval of MMRDA:
- That any change in the user in future would require prior approval of MMRDA;
- 5) That if any change in the user mantioned in completion/as built plans found changed at any time without prior permission of MMRDA then this occupancy certificate granted to your premises will be treated as cancelled and appropriate action will be taken,
- 6) This Certificate shall not entitle the applicant to occupy the land which is not in his ownership in any way:
- 7) The provisions in the proposal which are not confirming to applicable Development Control Regulations and other Acts are deemed to be not approved,
- (1) Any condition mentioned in any of the NOC from any Concerned Authority shall be complial with before occupying the property under reference;
- 9) A set of amended as-built drawings (Drawing nos. 1, 2, 3, 4, 5, 6 & 7 (i.e. total drawings 07 nos) is enclosed herewith;
- 10) That the certificates under Section 270-A of B.M.C. Act shall be obtained from Hydraulic Engineer, MCGM and a certified copy of the same shall be submitted to this office;
- 11) The applicant shall comply with MCGM's Circular no. CHE/27921/DP/ Gen; dated 06/01/2014 [in respect of preservation of documents mentioned at sr. no. (a) to (k) therein];
- 12) The applicant shall obtain NOC/License for Car lift from Lift Inspector, PWD before putting the Car lift into operation and submit the same to MMRDA only after which Acceptation of Building Completion Certificate for the building will be issued by MMRDA.

pational Additional Metropolitan Commissioner MMRDA

(with enclosures)

with enclosures)

Enclosures: As-built drawing no.1 to 07 (total drawings 07 nos).

Copy to: 1) Mr. Hiten Sethi (Architect), Hiten Sethi Architect. Ground Floor, Yayati CHS, Plot No.9, Sector - 58A, Palm Beach Road, Neral, Navi Mumbai 400 706

Shri, Charudatta Deshmukh,

Director - Urban Planning, MIAL, Urban Planning Dept., 2nd Floor, Terminal 1-B.

- Chhatrapati Shivaji International Airport,
- Santascer (E), Methodis 400 099 Bandra (East), Mumbai 400 051.

EPAILX 12010 (KOV - DA / 2020 4000 + FAX - 2050 1267 + WEB WITE 1 TOUR Wowe Interna Outpationnel (9727

Annexure- 03 Monitoring reports.





Sample ID SA/04/23/552	5 Report N	o SA/04/23/55	26	Report Dr	ane	19/04/2023	
Name and Address of Customer	Chhatrapat First Floor,	ni International Airport Ltd. Ipati Shivaji International Airport, Ior, Terminal IB, Santacruz (E), III – 400099, Maharashtra.					
Sampling done by	Laboratory			Sample I	Description / Ty	pe Stack Emission	
Survey and the survey of the survey of	PM: 1 no. 1			Date - Sa	mpting	13/04/2023	
Sample Quantity/Packing		<pre>i x 1 no, plastic l i x 1 no, plastic</pre>		Date - Re	ceipt of Samp)	e 15/04/2023	
Sampling Procedure	IS 11255 (Part 1):1985, (Part 2):1985, (Part 3):2008, (Part 7):2005		Date - Su	art of Analysis	15/04/2023		
Order Reference	W.O.No.57	W 0.No.5700316635 Date 29.10.2022		Date -Co of Analys		19/04/2023	
Calibration Certificate No.	MEEPL/12	MEEPL/1222/AEC/SMK/RM-05 dated 31 12 2023		Sampling	Equipment ID	AEC/EQ/1611	
onsent Number & Date Form			260/ CR/220	5000810	Date 13.05	.2022	
Stack Details							
~Stack Identity	tack Identity DG MLCP Building						
~Stack attached to	to DG Set 380 KVA						
~Material of constructio	n	M.S					
~Stack height above gr	ound level	3 m					
~Stack diameter		0.10 m					
~Stack shape at top		Round					
~Type of Fuel		Diesei					
~Fuel Consumption		20 L/h	1 10 100				
Paramete	r	Result	Limits a MPCB co		Unit	Method	
Chemical Testing; Gro	oup: Atmos	pheric Pollution	1				
Flue Gas Temperature		115			"C	(5 1/255 (Part 2) 2008	
Flue Gas Velocity		8.05			m/s	15 (1255 (Part 3) 2008	
Flue Gas Flow Rate		170			Nm ³ /h	(\$ 11755 (Part 3), 2008	
Particulate Matter (PM)		12	15	2	mg/Nm ¹	(\$10255 (Part 0)1585	
Sulphur Dioxide (502)		8.57	Not spe	cified	mg/Nm ²	15 11755 (Part 2)/985	
Sulphur Dioxide (SO2)		0.03	Not spe	cified	Kg/d	15 11255 (Part 201985	
Oxides of Nitrogen (NO		21.4	Not spe	cified	mg/Nm ³	15 10755 (Part 7) (1985	

End of Report Accuratory Services D

CTACK ENTERTON MONITORING DEPORT



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Disclaimer: Information is supplied by the customer (~) and can affect the validity of results.

AEC F REP 1-E Page 1 of 1



	NOISE LEVEL MEASOREM	ILITI REFORT	
Sample ID: N/04/23/3299	Report No: N/04/23/3299N	Report Date	17/04/2023
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji International Airpo First Floor, Terminal 18, Santacruz (E Mumbai - 400099	DrT.	
Monitoring Done By	Laboratory	Sample Description /Type	DG Noise Insertion Loss
Order Refetence	Work Order No.5200316635 Date- 29.10.2022	Date-Monitoring	13/04/2023
Calibration Certificate	AEC/0722/5M-3	Instrument Model	Mahabal & SLM 1699
Consent Number & Date.	1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022	Sr. No.	2016083645

NOTCE LEVEL MEASUDEMENT DEPORT

Sr No			50	ind Level dB	(A) Fast Respo	nse	
	Location	Time (h)	A	Inside	(B)	Outside	Difference
MLCL Bui	ilding DG 380 KV	/A					
I	East	11:00	AL	.89	B1	64	25
2	West	11:05	A2	93	B2	66	27
3	South	11:10	A3	97	83	71	26
- 14	North	11:20	A4	:95	84	70	25
			Average	93.5	Average	67.75	25.75

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Engineers & Con End of Report







TEST REPORT

Report No: E/04/23/5075	Report Date	17/04/2023
Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International A 1 st Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra.	Nirport,	
Laboratory	Sample Description / Type	Untreated Sewage Effluent
Terminal 1 STP Inlet	Date -Sampling	12/04/2023
2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	13/04/2023
IS 3025 (Part 1):1987, Amds 1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		13/04/2023
Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	17/04/2023
	Mumbai International Airport Ltd. Chhiatrapati Shivaji Maharaj International A 1" Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra. Laboratory Terminal 1 STP Inlet 2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle IS 3025 (Part 1):1987, Amds 1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006 Work Order No. 5700316635	Mumbai International Airport Ltd. Chhiatrapati Shivaji Maharaj International Airport, 1º Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra. Laboratory Sample Description / Type Terminal 1 STP Inlet Date - Sampling 2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle Date - Receipt of Sample IS 3025 (Part 1):1987, Arnds 1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006 Date - Stant of Analysis Work Order No. 5700316635 Date - Complicition of

Consent Number & Date Format L.O/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022

Sr. No.	Parameter	Result	Unit	Method
Che	mical Testing; Group: Pollution	& Environment		
Phy	sical & Chemical Parameters			
1.	pH	7.3		15 2025 (Part II) 1583
2.	Total Suspended Solids	92	mg/L	12 2025 (Part IT) (884
31	Biochemical Oxygen Demand (3 Days, 27°C)	186	mg/L	15 3025 (Part 44) (593)
34.5	Chemical Oxygen Demand	540	mg/L	APHA 23rd Ed. 5220-8, 5 (8:2017
S.	Ammonical Nitrogen (as NH3-N)	24.7	mg/L	APHA 23-4 Ed 4500 AHU B S E 4 H4 4 HE 201
Bio	logical Testing; Group: Pollution	& Environment		
Bac	teriological Parameters			
6,	Faecal Coliforms	220	MPN Index /100m)	APHA, 2211 Ed 8221 E. 8: 17 2017
	Paecal Conorns			

Note: Sample ID E/04/23/5075 bears two Test Reports - E/04/23/5075 and E/04/23/5075N





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TEST REPORT

Sample ID E/04/23/5075	Report No.: E/04/23/5075N	Report Date	17/04/2023
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International A 1 st Floor, Terminal 1B, Santacruz (E) Mumbai-400099, Maharashtra.	Nrport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	12/04/2023
Sample Quantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	13/04/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	13/04/2023
Order Reference	Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	17/04/2023
Consent Nomber & Trate Forms	1.0/CAC/UAN NO. 0000111260/CR/220500	0810 Date 13 05 2022	

Sr. No.	Parameter	Result	Unit	Method
Chemic	al Testing; Group: Polluti	ion & Environment		
1. Tot	al Nitrogen (as N)	28.6	ma/L	APHA-23+6 E6 4503 N 8 4-108



Note:

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AEC/F-REP 1-4 Page no 1 of 1





TEST REPORT

Sample II) E/04/23/5076	Report No E/04/23/5076		Report Date	17/04/2023
Name and Address of Castomer	Mumbai International Airpo Chhatrapati Shivaji Maharaj Int 1" Floor, Terminal 18, Santacri Mumbai-400099, Maharashtra.	ternational Ai uz (E)	rport,	
Sampling done by	Laboratory		Sample Description / Type	Treated Sewage Effluent
Sampling Location	Terminal 1 STP RO Dutlet		Date -Sampling	12/04/2023
Sample Quantity/Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bot	tie	Date - Receipt of Sample	13/04/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds 23rd Ed., 1060 B, 1-40, 9060 9060 B, 9-39 & ISO 19458:200	A, 9-36, &	Date - Start of Analysis	13/04/2023
Order Reference	Work Order No. 5700316635 Date-29:10:2022		Date - Completion of Analysis	17/04/2023
Convent Number & Date Form	a 1.0/CAC/UAN NO. 0000111260	/CR/2205000	0810 Dete 13.05.2022	
Sr.	L	imit as per	0.020201	12012/04

Sr. No.	Parameter	Result	MPCB Consent	Unit	Method
Ch	emical Testing; Group: Poll	ution & Enviro	nment		
Ph	ysical & Chemical Paramet	ers			
1.	рH	7.6	5.5-9.0		(5.2025 (Part II) (982)
2.	Total Suspended Solids	15	20	mg/L	45 2025 (Part 17) (984
3.	Biochemical Oxygen Demand (3 Days, 27°C)	3	10	mg/L	15 3075 (Part 44) 993
4.	Chemical Oxygen Demand	11	50	mg/L	4984-23ed Ed: 5220 E: 5-88-2007
S.	Ammonical Nitrogen (as NH3-N)	1.5	5	mg/L	4P9A, 23rd Td. 4500 MH2, F, 4-19-200
Bio	logical Testing; Group: Pol	lution & Enviro	nment		
Ba	cteriological Parameters				
6.	Faecal Coliforms	34	Less than 100	MPN Index /100ml	APRA 22** E& 8225 E. S. 77.2017
Nót	e: Sample ID E/04/23/5076 b	ears two Test Re	ports - E/04/23/5076	and E/04/23/5	076N

Sonali Kapse Section In charge (Biological) Reviewed & Authorised by





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ALT & REP 1-4 Page no.1 of 1



TEST REPORT

Sample ID: E/04/23/5076	Report No. E/04/23/5076N	Report Date	17/04/2023
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International A 1 ^{er} Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra,	urport,	
Sampling done by	Laboratory	Sample Description / Type	Treated Sewage Effluent
Sampling Location	Terminal 1 STP RO Outlet	Date -Sampling	12/04/2023
Sample Quantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	13/04/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458-2006	Date - Start of Analysis	13/04/2023
Order Reference	Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	17/04/2023

Sr. Na.	Parameter	Result	Limit as per MPCB Consent	Unit	Method
Chemi	cal Testing; Group: Po	Ilution & Enviro	nment		
1. To	tal Nitrogen (as N)	5.1	10	mg/L	APHA, 22rd Ed: 4500 N. 8 4108





End of Report-

Note:

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ALC F.REP.1.A Page mill of T





TEST REPORT

Sample ID: E/04/23/5077	Report No.: E/04/23/5077	Report Date	17/04/2023
Nume and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shiva)i Maharaj International A 1" Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra.	urport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
sampling Location	Terminal 2 STP Inlet	Date -Sampling	12/04/2023
Sample Quantity/Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	13/04/2023
Sampling Procedure	15 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	13/04/2023
(Inder Reference	Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	17/04/2023

Consent Number & Date Format 1:0/CAC/UAN NO: 0000111260/CR/2205000810 Da

Sr. No.	Parameter	Result	Unit	Method
Che	mical Testing; Group: Pollution I	& Environment		
Phy	sical & Chemical Parameters			
1.	pН	6.7		15/3025 (Part 約/1985
2.	Total Suspended Solids	94	mg/L	15/3025 (Part 17) (984
3.	Biochemical Oxygen Demand (3 Days, 27°C)	168	mg/L	(\$ 3225 (Part 44) (\$83
4.	Chemical Oxygen Demand	520	mg/L	APHA 73/4 E# 5220-8 5-18 2017
5.	Ammonical Nitrogen (as NH3-N)	25.8	mg/L	APHA 23rd Ed 4502 883 8 8 0 4 04 4 05 220
Biol	ogical Testing; Group: Pollution	& Environment	- 10	
Bac	teriological Parameters			
6.	Faecal Coliforms	240	MPN Index /100ml	4P84 23" E6 922-E. 8-77 207
1927	Sample ID E/04/23/5077 beats tv	. Turt Daparte	E/04/03/5077 and E/04/0	3/5/077N

Note: Sample ID E/04/23/5077 bears two Test Reports - E/0 4/23/5077.a







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AEC F REP 1-A Page no. LoFT.



TEST REPORT

Sample ID: E/04/23/5077	Report No. E/04/23/5077N	Report Date	17/04/2023
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapah Shivaji Maharaj International A 1º Floor, Terminal 18, Santacruz (E) Mumbai 400099, Maharashtra.	urport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	Date -Sampling	12/04/2023
Sample Quantity Packing	2 t x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	13/04/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		13/04/2023
Order Reference	Work Order No. 5700316635 Date-29.10.2022	Dute - Completion of Analysis	17/04/2023
Consent Number & Date Forma	t 1.0/CAC/UAN NO. 0000111260/CR/220500	0810 Date 13.05.2022	
Sr.			

Result Unit Method Sr. Parameter No. Chemical Testing; Group: Pollution & Environment APRA 23rd St. 4500 X 8 4-038 1. Total Nitrogen (as N) 30 mg/L Note: Sample ID E/04/23/5077 bears two Test Reports - E/04/23/5077 and E/04/23/5077N



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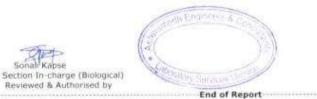


TEST REPORT

Sample ID: E/04/23/5078	Report No: E/04/23/5078	Report Date	17/04/2023
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International A 1º Floor, Terminal I.B. Santacruz (E) Mumbai-400099, Maharashtra.	urport,	
Sampling done by	Laboratory	Sample Description / Type	Treated Sewage Effluent
Sampling Location	ng Location Terminal 2 STP RO Outlet		12/04/2023
Sample Quantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. stenie glass bottle	Date - Receipt of Sample	13/04/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		13/04/2023
Order Reference	Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	17/04/2023

Sr. Limit as per Parameter Result Method Unit MPCB Consent No. Chemical Testing; Group: Pollution & Environment Physical & Chemical Parameters 12 3825 (Part IV 1983) 5.5.9.0 1, DH 7.48 Total Suspended 2. 15 3025 (Part 17) (984 17 20 mg/L Solids Biochemical Oxygen 15 3825 (Part 44) (993 3. Demand (3 Days, 5 10 mg/L 27°C) Chemical Oxygen 50 mg/L APHA 20/6/14/5220-8/5-18/2011 4 17 Demand 5. Ammonical Nitrogen (as NH3-N) 5 mg/L 2.2 APHA 73rd Ed. 4500 Writ. F. 4:18 207 Biological Testing; Group: Pollution & Environment **Bacteriological Parameters** MPN Index /100ml APHA 23**Ed 922-E 9-77 20/7 6. Faecal Coliforms 32 Lass than 100

Note: Sample ID E/04/23/5078 bears two Test Reports - E/04/23/5078 and E/04/23/5078N





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AEC F REP 1-4 Page no 1 of 1



TEST REPORT

Chemi	cal Testing; Gro	up: Pollution & Enviro	nment		
Sr. No.	Parameter	Result	Limit as per MPCB Consen		Method
Consent N	Sumber & Date Forma	1.0/CAC/UAN NO. 000	0111260/CR/220500	00810 Date 13.05.202	2
Order Ref	ference	Work Order No. 5700316635 Date-29-10.2022		Date - Completion of Analysis	17/04/2023
Sampling	Procedure	IS 3025 (Part 1):198 23rd Ed., 1060 B, 1- 9060 B, 9-39 & ISO 19	10, 9050 A, 9-36, &	Date - Start of Analysis	13/04/2023
Sample Q	uantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile s	glass bottle	Date - Receipt of Sample	13/04/2023
Sampling	Location	Terminal 2 STP RO Out	let	Date -Sampling	12/04/2023
Sampling	done by	Laboratory		Sample Description / Type	Treated Sewage Effluent
Name and Customer	LAddress of	Mumbai Internationa Chhatrapati Shivayi Ma 1º Floor, Terminal 18, Mumbai-400099, Mana	haraj International A Santacruz (E)	urport,	
sandhe u	E/04/23/5078	Report No : E/04/23/507	on	Report Date	17/04/2023

 I.
 Total Nitrogen (as N)
 4.6
 10
 mg/L
 4H4.1

 Note:
 Sample ID E/04/23/5078 bears two Test Reports - E/04/23/5078 and E/04/23/5078N
 1. Total Nitrogen (as N) APHA, 23rd Ed. 4500 W. 8 4 IDB



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TEST REPORT

Sample ID: E/05/23/5116	Report No: E/05/23/5116	Report Date	24/05/2023
Name and Address of Costoner	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International A 1 st Floor, Terminal 18, Santacruz (E) Mumbai-400099, Maharashtra.	Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	19/05/2023
Sample Quantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Dute - Receipt of Sample	20/05/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	20/05/2023
Order Reference	Work Order No. 5700316635 Date-29.10.2022	Date - Completion of Analysis	24/05/2023

Consent Number & Date Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022

Sr. No.	Parameter	Result	Unit	Method
Che	mical Testing; Group: Pollution	& Environment		
Phy	sical & Chemical Parameters			
1.	рH	8	_	15 3025 (Part ID (983
2,	Total Suspended Solids	82	mg/L	(\$ 3025 (Part (7) 1984
3.	Biochemical Oxygen Demand (3 Days, 27°C)	155	mg/L	(\$3075 (Part 44) 1993
4.	Chemical Oxygen Demand	480	mg/L	APH4 23rd Ed. 5220-8: 5-18:2017
5)	Ammonical Nitrogen (as NH3-N)	20.2	-mg/L	49 HJ, 53rd Ed 4500 KH3 H 5 C 4 H4 4 H5 20
Biol	ogical Testing; Group: Pollution	& Environment		
Bac	teriological Parameters			
б.	Faecal Coliforms	240	MPN Index /100ml	APRA 23" EJ 3221-E 3-77 2017







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AEC F REP 1-A Page no.1 of 1



TEST REPORT

Sr. No.	Parameter			Unit	Method	
Consent N	amber & Date Forma	i 1.0/CAC/U	AN NO. 0000111260/CR/	220500	0810 Date 13.05.2022	
Order Refe	Inder Reference Work Order No. 5700316635 Date-29,10,2022			Date - Completion of Analysis	24/05/2023	
Sampling I	Princedure	15 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Dute - Start of Analysis	20/05/2023	
Sample Qu	antity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle			Date - Receipt of Sample	20/05/2023
Sampling I	ocation	Terminal 1 STP Inlet			Date -Sampling	19/05/2023
Sampling v	lone by	Laboratory		Sample Description / Type	Untreated Sewage Effluent	
Name and Costomer	Address of	Chhatrapa 1" Floor, T	nternational Airport Lt ti Shivaji Maharaj Interna erminal 18, Santacruz (E 20099, Maharashtra,	tional A	Nirport,	
Sample ID	E/05/23/5116	Report No : E/0/23/5116N			Report Date	24/05/2023

Chemical Testing; Group: Pollution & Environment

1. Total Nitrogen (as N) APRA, 23+4 E4, 4500 N. 8 4-108 24.9 mg/L Note: Sample ID E/05/23/5116 bears two Test Reports - E/05/23/5116 and E/05/23/5116N

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TEST REPORT

Sam	iple ID E/05/23/5117	Report No : E/05/23	/5117	Report Date	24/05/2023
	re and Address of tomer	Chhatrapati Shiva	tional Airport Ltd. Ji Mahara) Internationa 1B, Santacruz (E) Maharashtra.	l Airport,	
Sam	pling done by	Laboratory		Sample Description /	Type Treated Sewage Effluent
Sam	Impling Location Terminal 1 STP RO Outlet		Date -Sampling	19/05/2023	
Sam	mple Quantity Packing 2 L × 1 no. plastic can 250 ml × 1 no. sterile glass bottle		Date - Receipt of Sam	iple 20/05/2023	
Sampling Procedure 23r 900 Order Reference Wo		23rd Ed., 1060 E	5 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		is 20/05/2023
		Work Order No. 57 Date-29,10.2022	200316635	Date - Completion of Analysis	24/05/2023
Cons	sent Number & Date Forma	1.0/CAC/UAN NO.	0000111260/CR/2205	000810 Date 13.05.	2022
Sr. No.	Parameter	Result	Limit as pe		Method
Che	emical Testing; Grou	p: Pollution & En	vironment		
Phy	vsical & Chemical Pa	arameters			
4.	pН	7.5	5.5-9.0		10 3825 (Part 10 1983)
2,	Total Suspended Sol	ds 14	20	mg/L	15 3825 (Part 17) 1984
3,	Biochemical Oxygen Demand (3 Days, 27	°C) 4	10	mg/L	(5 3025 (Part 44) (593
4.	Chemical Oxygen	14	50	mg/L	4984 22rd Fd 5228 R 5-18 2007

s. 1.5 NH3-N) Biological Testing; Group: Pollution & Environment

14

32

Bacteriological Parameters

Ammonical Nitrogen (as

MPN Index Less than 100 /100mi Note: Sample ID E/05/23/5117 bears two Test Reports - E/05/23/5117 and E/05/23/5117N

mg/L

5



tha Ninad Soundankar 11

4PRA 22711/09229-E 9-77-2007

APHA 23-6 Ed \$220 B 5-18 2017

APMA 23-d Ed. 4500 NH3 7: 4-99 2017

Technical Manager (Chemical) Reviewed & Authorised by

Demand

6. Faecal Coliforms

Sonali Kapse

Section In-charge (Biological)

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TEST REPORT

Name and Address of Customer Sampling done by Sample Quantity Pa Sampling Procedure Order Reference			Limit as per	1	
Name and Address of Customer Sumpling done by Sampling Location	isent Number & Date Fornu	1.0/CAC/UAN NO. 00001112	60/CR/220500	0810 Date 13.05.2022	
Name and Address of Customer Sumpling done by Sampling Location Sample Quantity Pa	Order Reference Work Order No. 5700316635 Date-29.10.2022		Date - Completion of Analysis	24/05/2023	
Name and Address of Customer Sumpling done by Sampling Location	npling Procedure	15 3025 (Part 1):1987, Amds.I & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	20/05/2023
Name and Address of Customer Sumpling done by	nple Quantity Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle		Date - Receipt of Sample	20/05/2023
Name and Address of Customer	npling Location	Terminal 1 STP RO Outlet		Date -Sampling	19/05/2023
Name and Address of	upling done by	Laboratory		Sample Description / Type	Treated Sewage Effluent
sample its erosys		Mumbai International Air Chhatrapati Shivaji Maharaj 1 st Floor, Terminal 1B, Santa Mumbai-400099, Maharasht	International A cruz (E)	sirport,	
Samula ID E7057	mple ID E/05/23/5117	Report No. E/05/23/5117N		Report Date	24/05/2023

Sr. Parameter No.	Result	MPC8 Consent	Unit	Method
Chemical Testing; Group: P	ollution & Enviro	nment		
1. Total Nitrogen (as N)	5.5	10	mg/L	APKA, 73rd Ed. 4500 % 8 4108



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TEST REPORT

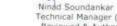
Chemic	al Testing; Grou	p: Pollution	& Environment			
Sr. No.	Parameter		Result	Unit		Method
Consent N	utiber & Date Forma	1.0/CAC/UAN	NO. 0000111260/CR/2205	000810 Date 13.	05.2022	
			ork Order No. 5700316635 ite-29.10.2022		n of	24/05/2023
Sampling Procedure 23rd Ed.,		23rd Ed., 1	S 3025 (Part 1):1987, Amds.1 & APHA 3rd Ed., 1060 8, 1-40, 9060 A, 9-36, & 060 8, 9-39 & ISO 19458:2006		nalysin	20/05/2023
Sample Qu	untity/Packing	2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle		Dute - Receipt of	Sample	20/05/2023
Sampling I	Location	Terminal 2 STP Inlet		Dute -Sampling		19/05/2023
Sampling o	done by	Laboratory		Sample Descripti	on / Type	Untreated Sewage Effluent
Nome and Customer	Address of	Chhatrapati 1 1 st Floor, Ter	ernational Airport Ltd. Shivaji Maharaj Internationa minal 18, Santacruz (E) 099, Maharashtra.	l Airport,		
annipte it.	E/05/23/5118	Report No.: E/0)5/23/5118	Report Date		24/05/2023

рн			
	6.8	-	15 3025 (Part II) (983
Total Suspended Solids	96	mg/L	15 3025 (Part 17) (984
Biochemical Oxygen Demand (3 Days, 27°C)	175	mg/L	15 2025 (Part 44) 1993
Chemical Oxygen Demand	540	mg/L	APHA 22rd Ed 5220-8 5-8-2017
Ammonical Nitrogen (as NH3-N)	28	mg/L	APHA 73rd Ed 4500 NH3 B 6 C 4 14-4-16 201
gical Testing; Group: Pollution :	& Environment		
eriological Parameters			
Faecal Coldorms	210	MPN Index /100ml	APHA 23" Ed 922-E 9-77 2017
	Biochemical Oxygen Demand (3 Days, 27°C) Chemical Oxygen Demand Ammonical Nitrogen (as NH3-N) gical Testing; Group: Pollution (priological Parameters	Biochemical Oxygen Demand (3 Days, 27°C) Chemical Oxygen Demand Ammonical Nitrogen (as NH3-N) gical Testing; Group: Pollution & Environment priological Parameters Faecal Coliforms 210	Biochemical Oxygen Demand 175 mg/L (3 Days, 27°C) 175 mg/L Chemical Oxygen Demand 540 mg/L Ammonical Nitrogen (as NH3-N) 28 mg/L gical Testing; Group: Pollution & Environment mg/L eriological Parameters Faecal Coliforms 210

Note: Sample ID E/05/23/5118 bears two Test Reports - E/05/23/5118 and E/05/23/5118N

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TEST REPORT

Sample ID: E/05/23/51	8 Report No. E	Report No. E/05/23/5118N			24/05/2023
Name and Address of Customer	Chhatrapati 1 st Floor, Te	ternational Airport Ltd. Shivaji Maharaj Internationa erminal 18, Santacruz (E) 0099, Maharashtra.	al Airport,		
Sampling done by	doec by Laboratory		Sample Desc	ription / Type	Untreated Sewage Effluent
ampling Location Terminal 2 STP Inlet		Oute -Sampli	ng	19/05/2023	
Sample Quantity/Packing		2 L x 1 no. plastic can 250 ml x I no. sterile glass bottle		n of Sample	20/05/2023
Sampling Procedure	23rd Ed.,	15 3025 (Part 1):1987, Amds I & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & 150 19458:2006		f Analysis	20/0/2023
Order Reference		Work Order No. 5700316635 Date-29.10.2022		iction of	24/05/2023
Consent Number & Date Fo	mat 1.0/CAC/UA	N NO. 0000111260/CR/2205	000810 Date	13.05.2022	
Sr. Parame	ter	Result	Unit		Method
Chemical Testing; G	roup: Pollutio	n & Environment		1	
1. Total Nitrogen (a	s N)	33.8	mg/L	mg/L APHA 23rd Ed. 458	
Note: Sample ID E/05	/23/5118 bear	s two Test Reports - E/05/23	/5118 and E/0)5/23/5118N	1

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TEST REPORT

Sar	mple ID: E/05/23/5119	5/23/5119 Report No. E/05/23/5119		Report Date *	24/05/2023	
	ne and Address of stomer	Mumbai Internatio Chhatrapati Shivaji M 1º Floor, Terminal II Mumbai 400099, Ma	Maharaj International / B, Santacruz (E)	Airport,		
Sampling done by		Laboratory		Sample Description / T	ypc Treated Sewage Effluent	
Sampling Location		Terminal 2 STP RO Outlet		Date -Sampling	19/05/2023	
Sample Quantity Packing		2 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle		Date - Receipt of Samp	le 20/05/2023	
Sampling Procedure		IS 3025 (Part 1):1987, Amds I & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	20/05/2023	
Order Reference		Work Order No. 5700316635 Date-29.10.2022		Date - Completion of Analysis	24/05/2023	
Con	isent Number & Date Forma	1.0/CAC/UAN NO. 00	00111260/CR/220500	0810 Date 13.05.2	022	
Sr. No		Result	Limit as per MPC8 Consent	Unit	Method	
	emical Testing; Grou	A STATE OF CONCERNMENT OF CONCERNMENT	ronment			
Ph	ysical & Chemical Pa	arameters				
1.	рH	7.5	5.5-9.0	-	12 2025 (Part 10 (083	
Ż,	Total Suspended Solids	13	20	mg/L	(f) 2025 (Part (?) 1984	
3.	Biochemical Oxygen Demand (3 Days, 27°C)	3	10	mg/L	(1) 3025 (Part 44) 1993	
4.	Chemical Oxygen Demand	12	50	mg/L	APHA 23rd Ed. 5220-8, 5-18 2017	
	Ammonical Nitrogen	2.6	5	mg/L	APHA 23HI Ed. 4500 MH3, F.4-19:20	
5.	(as NH3-N)	232310				
		up: Pollution & Envi	ronment			
Bio	(as NH3-N)		ronment			
Bio	(as NH3-N) plogical Testing; Gro			MPN Index /100ml	4PHA 23* 60 929+6 \$-17 207	







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TEST REPORT

	Total Nitrogen (as N)	al and a second s	10	ma/L #	744, 23et Et. 4580 N 8 4-108
	mical Testing; Grou	p: Pollution & Enviro			
Sr. No.	Parameter	Result	Limit as per MPCB Consent	Unit	Method
Cons	ent Number & Date Forma	1.0/CAC/UAN NO. 0000	0111260/CR/220500	0810 Date 13.05.202	12
Order Reference		Work Order No. 57003 Date-29.10.2022	16635	Date - Completion of Analysis	24/05/2023
Sampling Procedure 23		IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	20/05/2023
		2 t x 1 no. plastic can 250 ml x 1 no. sterile ç	. x 1 no. plastic can 0 ml x 1 no. sterile glass bottle		20/05/2023
Samig	oling Location	Terminal 2 STP RO Outlet		Date +Sampling	19/05/2023
Saing	oling done by	Laboratory		Sample Description / Typ	Treated Sewage Effluent
	e and Address of omer	Mumbai Internationa Chhatrapati Shivaji Ma 1 st Floor, Terminal 18, Mumbai-400099, Maha	haraj International A Santacruz (E)	arport,	
Sarat	ple (D: E/05/23/5119	Report No. E/05/23/5119N		Report Date	24/05/2023

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TEST REPORT

Samp	ble ID ; E/06/23/5043	06/23/5043	Report Date		15/06/2023	
Name Custo	e and address of amer	Chhatrapati Si 1st Floor, Terr	rnational Airport Ltd. hivaji Maharaj Internatio hinal 1-B, Santacruz(E), 99,Maharashtra	inal Airport,		
Samp	Sampling done by Laboratory			Sample Descri	iption / Type	Untreated Sewage Effluent
Sampling Location Terminal 1.5		Terminal 1 ST	P Inlet	Date -Samplin	ug .	09/06/2023
Samp	Sample Quantity / Packing 2 L x 1 rso, 250 ml x 1		istic can . Sterile glass bottle	Date - Receipt of sample		10/06/2023
Sampling Procedure		IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis		10/06/2023
Order	r Reference	Work Order N 29.10.2022	Work Order No. 5700316635 dated 29.10.2022		tion of Analysis	14/06/2023
Sr.No.	the last spectrum of second and the second sec	a first of the second	Result	Unit		Method
the transfer and the	nical Testing; Group: P lical & Chemical Param		nment	a <u>seuco</u>		
1	pH (at 25°C)		7.05		15 2025 (Part 10 19)	12
2	Total Suspended Solid	s	84	mg/L	IS 3075 (Part (7):8	84
3	Biochemical Oxygen D (3 days, 27°C)	emand	173	mg/L	15 3025 (Part 44) (9	93
4	Chemical Oxygen Dem	and	520	mg/L	APHA. 23rd Ed. 522	0-8.5-48
5	Ammonical Nitrogen (a	IS NHa-N)	22.4	mg/L	APHA 23rd Ed. 450	D NH3, E & C. A. H4, 4-16
Biolo	gical Testing; Group: P	ollution & Enviro	onment			

Bacteriological Parameters

6 Faecal Coliforms

4PR4, 73rd Ed. 9221-1, 9-77, 2017 /100 ml Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/06/23/5043 bears two Test Reports - E/06/23/5043 and E/06/23/5043N

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MPN Index





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TEST REPORT

Sample ID : E/06/23/5043	Report No. E/06/23/5043N	Report Date	15/06/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatic Ist Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	snal Airport,	1
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	09/06/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile glass bottle	Date - Receipt of sample	10/06/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 8, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	10/06/2023
Order Reference	Work Order No. 5700316635 dated 29.10.2022	Date - Completion of Analysis	14/06/2023

Sr.No. Parameter Result Unit Method Chemical Testing; Group: Pollution & Environment Total Nitrogen (as N) 26.3 mg/L APHX: 20rd Ed. 4500 N.B4-108 207 1

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/06/23/5043 bears two Test Reports - E/06/23/5043 and E/06/23/5043N

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TEST REPORT

Samp	ample ID : E/06/23/5044 Report		rt No. E/06/23/5044		Report Date		15/06/2023	
	e and address of omer	Chhatr 1st Flo	ai Internation apati Shivaji Ma or, Terminal 1-8 si-400099,Maha	haraj Internati 8. Santacruz(E)	onal Airport,			
Samj	aling done by	Labora	Laboratory		Sample Des	scription / Type	Treated Sewage Effluent	
Sampling Location Termin		al 1 STP RO Out	tlet	Date - Sam	pling	09/06/2023		
1.5.5.4.5.115 C		× 1 no. plastic can ml x 1 no. Sterile glass bottle		Date - Rece	ript of Sample	10/06/2023		
Samp	pling Procedure IS 302 APHA A, 9-3		025 (Part 1):1987, Amds.1 & A 23rd Ed., 1060 B, 1-40, 9060 -36, & 9060 B, 9-39 & ISO 58:2006		Date - Start of Analysis		10/06/2023	
Orde	r Reference	1000000000	ork Order No. 5700316635 dated		Date - Completion of Analysis		s 14/06/2023	
ir.No	. Parameter		Result	Limits as p Cons		Unit	Method	
10000	nical Testing; Group: Pol		Environment					
	oH (at 25°C)	ters		1		-		
1	Total Suspended Solids		7.4		-9.0	- mg/L	IS 3825 (Part II) /982	
3	Biochemical Oxygen Dem (3 days, 27°C)	and	13 5		Not to exceed 20 Not to exceed 10		IS 3025 (Part 17):5984 IS 3025 (Part 44):5983	
4	Chemical Oxygen Deman	d	18	Not to e	Not to exceed 50		APHA 23rd Ed. 5220-8, 5-48	
5	Ammonical Nitrogen (as N	vHa-N}	1.8	Not to e	Not to exceed 50 mg/L Not to exceed 5 mg/L		4PHA 72H1E4, 4500 XH2 8 8 C	
Biolo	gical Testing; Group: Po	llution &	Environment			10		
Bact	eriological Parameters							
6	Faecal Coliforms		32	Less th	an 100	MPN Index /100 ml	APHA 23rd Ed. 922rd E. 9-77, 201	
Con	sent Number & Date: Form e: Sample ID E/06/23/5044	at 1.0/CA I bears tw	C/UAN NO. 0000 o Test Reports -	0111260/CR/22 E/06/23/5044	05000810 (and E/06/2	Date 13.05.202	2	

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TEST REPORT

Custom	er.		bai Internation; rapati Shivaji Ma				
		1st Fig	oor, Terminal 1-B ai-400099,Mahar	, Santacruz(E)			
Samplin	g done by	Laboratory.		Sample Description / Type		Treated Sewage Effluent	
Samplin	g Location	Termin	nal 1 STP RO Out	let	Date - Sampling		09/06/2023
Sample	Quantity / Packing		1 no. plastic can nl x 1 no. Sterile glass bottle		Date - Receipt of Sample		10/06/2023
Samplin	g Procedure	APHA A, 9-3	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 8, 1-40, 9060 A, 9-36, & 9060 8, 9-39 & ISO 19458:2006			of Analysis	10/06/2023
Order R	eference	100000000000000000000000000000000000000	k Order No. 5700316635 dated 0.2022		Date - Completion of Analysis		14/06/2023
ir.No.	Parameter		Result	Limits as p Cons		Unit	Method
Chemic	al Testing; Group: Po	ollution &	Environment				
1 T	otal Nitrogen (as N)		4.8	Not to e	xceed 10	ma/L	APRA 7312 Ed. 4508 N 84-108 7017

Note: Sample ID E/06/23/5044 bears two Test Reports - E/06/23/5044 and E/06/23/5044N

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TEST REPORT

Sampl	Sample ID : E/06/23/5045 Report No. E/06		06/23/5045	Report Date		15/06/2023
Name Custoi	and address of tter	Chhatrapati Si 1st Floor, Terr	rnational Airport Ltd. hiva): Maharaj Internatio hinal 1-8, Santacruz(E), 99,Maharashtra	onal Airport,		
Sampl	Sampling done by Laboratory			Sample Descrip	stion / Type	Untreated Sewage Effluent
Sampling Location Terminal 2 ST		P Inlet	Date -Sampling	6	09/06/2023	
		2 L x 1 no. pla 250 ml x 1 no	istic can Sterile glass bottle	Date - Receipt	of sample	10/06/2023
Sampling Procedure		IS 3025 (Part 1):1987, Amds.1 & I APHA 23rd Ed., 1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis		10/06/2023
Order Reference		Work Order No. 5700316635 dated 29.10.2022		Date - Completion of Analysis		14/06/2023
Sr.No.	Param		Result	Unit		Method
and the second	ical Testing; Group: P		nment			
Physi	cal & Chemical Param pH (at 25°C)	eters			in month in the state	
1	the state of states of the Antonio States and a state state		6.5		15 3025 (Part II) (S	
3	Total Suspended Solid: Biochemical Oxygen D (3 days, 27°C)	Sector tetr	99 200	mg/L mg/L	15 3025 (Fert (7) /9 15 3025 (Fert 44) /5	
4	Chemical Oxygen Dem	and	600	mg/L	APHA, 23rd Ed., 522	0-8,5-18
5	Ammonical Nitrogen (a	IS NH3-N)	30.2	mg/L	APHA, 23rd Ed. 450	0 NH3 6 6 C, 4 -04; 4-06
Biolog	ical Testing; Group: P	ollution & Enviro	onment			
Bacte	riological Parameters					
6	Faecal Coliforms		240	MPN Index /100 ml	APHA, 23rd Ed., 922	14, 9,77, 280
Conse	nt Number & Date: Form	at 1.0/CAC/UAN N	0.0000111260/CR/220	5000810 Date	13.05.2022	

Note: Sample ID E/06/23/5045 bears two Test Reports - E/06/23/5045 and E/06/23/5045N

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TEST REPORT

Sample ID : E/06/23/5045	Report No. E/06/23/5045N	Report Date	15/06/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacru2(E), Mumbai-400099,Maharashtra	inal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	minal 2 STP Inlet Date -Sampling	
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile glass bottle	Date - Receipt of sample	10/06/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds 1 & APHA 23rd Ed., 1060 8, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	10/06/2023
Order Reference	Work Order No. 5700316635 dated 29.10.2022	Date - Completion of Analysis	14/06/2023

Parameter 1 Unit Sr.No. Result Method Chemical Testing; Group: Pollution & Environment APHA, 23Hd Ed., 4500 N 84-108 2017 38

Total Nitrogen (as N) ĩ mg/L Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022

Note: Sample ID E/06/23/5045 bears two Test Reports - E/06/23/5045 and E/06/23/5045N

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- 4. There are no additions to, deviations or exclusions from the method.







TEST REPORT

Sample ID : E/06/23/5046 Report		rt No. E/06/23/5046 Report Dat		Report Dat	e (15/06/2023	
Customer Chhat Ist Fic			ai Internation apati Shivaji Ma or, Terminal 1-8 ai-400099,Maha	haraj Internats 3, Santacruz(E)	onal Airport,		
Samp	bing done by	Labora	tory		Sample Des	scription / Type	Treated Sewage Effluent
Sampling Location Termin		Termin	al 2 STP RO Out	tiet	Date - Sam	pling	09/06/2023
		10.000.000.000	no, plastic can * 1 no, Sterile	glass bottle	Date - Rece	ipt of Sample	10/06/2023
Sampling Procedure		APHA 2 A, 9-3	S 3025 (Part 1):1987, Amds.1 & PHA 23rd Ed., 1060 B, I-40, 9060 , 9-36, & 9060 B, 9-39 & ISO 9458:2006		Date - Start of Analysis		10/06/2023
Order	Reference	102 (Arr 1977)	Vork Order No. 5700316635 dated 1 9.10.2022		Date - Completion of Analysis		dis 14/06/2023
ir.No.	Parameter		Result	Limits as p Con		Unit	Method
	nical Testing; Group: Pol	2000 01 01 0 A D	Environment				
	ical & Chemical Paramet	ers	Nabel				a station of the second second second
1	pH (at 25°C)		7.8	and the second s	-9.0	*	IS 3025 (Part N).1983
2	Total Suspended Solids		11	12865.555.75	xceed 20	mg/L	(S 3825 (Part 17) (884
3	Biochemical Oxygen Dem (3 days, 27°C)	and	4	Not to e	xceed 10	mg/L	15, 3825 (Part 44)/(983
	Chemical Oxygen Deman	5	14	Not to e	xceed 50	mg/L	APHA, 23rd Ed. 5220-8, 5-18
5	Ammonical Nitrogen (as N	(Ha-N)	2.8	Not to e	exceed 5	mg/L	47944-23+6 Ed. 4500 NR3: 8 8 C. 4
Biolo	gical Testing; Group: Po	llution 8	Environment				
Bacte	eriological Parameters						
6	Faecal Coliforms		39	Less th	ian 100	MPN Index /100 ml	APHA, 73-1 Ed., 9721-E, 9-77, 7007
			C/UAN NO. 000				





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Page 1 of 1



TEST REPORT

Sample II) : E/06/23/5046	Report	No. E/06/23/S0	46N	Report Date		15/06/2023
Name and address of Customer			haraj Internatio , Santacruz(E)	onal Airport,		
Sampling done by Labor		Laboratory		Sample Description / Type		Treated Sewage Effluent
Sampling Location	Termin	al 2 STP RO Out	tlet	Date - Sampl	ing	09/06/2023
Sample Quantity / Packing	acking 2 L x 1 no. plastic can 250 ml x 1 no. Sterile glass bottli		glass bottle	Date - Receipt of Sample		10/06/2023
Sampling Procedure	APHA A, 9-3	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed., 1060 8, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & 150 19458:2006		Date - Start of Analysis		10/06/2023
Order Reference	111112-0111	Work Order No. 5700316635 dated 29.10.2022		Date - Completion of Analysis		is 14/06/2023
ir.No. Paramete	r	Result	Limits as p	100000000000000000000000000000000000000	Unit	Method
Chemical Testing; Group:	Pollution &	Environment	11			
1 Total Nitrogen (as N)		6.2	Not to e	xceed 10	mg/L	APHA, 23-J Ed., 4500 N.84-E08.2017

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TEST REPORT

Sample ID : E/07/23/5115	Report No. E/07/23/5115	Report Date	25/07/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio Ist Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	anal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal-1 STP Inlet	Date -Sampling	19/07/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	20/07/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	20/07/2023
Order Reference	SO. No. 5700330185	Date - Completion of Analysis	24/07/2023

Method Result Unit Sr.No. Parameter Chemical Testing; Group: Pollution & Environment

Phys	sical & Chemical Parameters			4
1	pH (at 25°C)	7.8		(\$ 3025 (Part II) 1983
2	Total Suspended Solids	96	mg/L	IS 3025 (Part 17) (984
3	Biochemical Oxygen Demand (3 days, 27°C)	157	mg/L	(\$ 3075 (Part 44)/953
4	Chemical Oxygen Demand	500	mg/L	APHA, 23HI Ed., 5220-8, 5-18
5	Ammonical Nitrogen (as NH3-N)	25.8	mg/L	APPIA, 22x1 Fd. 4500 MH3, 8 6 C. 4-HA, 4-16
	ogical Testing; Group: Pollution & Enviro	onment		
	teriological Parameters			
6	Faecal Coliforms	280	MPN Index /100 ml	APHA, 73rdEd, 9221-E, 9-77; 2007

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/07/23/5115 bears two Test Reports - E/07/23/5115 and E/07/23/5115N

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TEST REPORT

Sample ID : E/07/23/5115	Report No. E/07/23/5115N	Report Date	25/07/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-8, Santacruz(E), Mumbai-400099,Maharashtra	onal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal-1 STP Inlet	Date -Sampling	19/07/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	20/07/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	20/07/2023
Order Reference	SO. No. 5700330185	Date - Completion of Analysis	24/07/2023

ir.No.	Parameter	Result	Unit	Method
Chemi	cal Testing; Group: Pollution & Envi	ironment		
τ.	Total Nitrogen (as N)	28.6	mg/L	APHA, 23rd Ed. 4500 N.B4-108 2017

Note: Sample ID E/07/23/5115 bears two Test Reports - E/07/23/5115 and E/07/23/5115N

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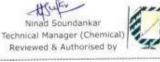


TEST REPORT

sample	e ID : E/07/23/5116	Report	No. E/07/23/511	AM.	Report Date	r	25/07/2023
Name Custor	and address of ner	Chhatra 1st Floo	i Internationa Ipati Shivaji Mah Ir, Terminal I-B, I-400099,Mahar	naraj Internatio Santacruz(E),	onal Airport,		
Sampling done by Laborat		ory		Sample Des	cription / Type	Treated Sewage Effluent	
Sampl	ing Location	Termina	al-1 STP RO Out	let	Date - Samp	ding	19/07/2023
Sampl	e Quantity / Packing	100 TO 100 TO 100 TO 100	no. plastic can x 1 no. Sterile I	oottle	Date - Rece	pt of Sample	20/07/2023
Sampl	ing Procedure	15 302 APHA 2 9060 A			Date - Start of Analysis		20/07/2023
Order	Reference	SO. No	5700330185		Date - Com	pletion of Analys	s 24/07/2023
ir.No.	Parameter		Result	Limits as Con	per MPCB sent	Unit	Method
Chen	nical Testing; Group: Pol	llution &	Environment	1			
Phys	ical & Chemical Paramet	ters					
1	pH (at 25°C)		7.5	5.5 to 9.0			IS 3025 (Part II) IS83
2	Total Suspended Solids		12	1.000000000	exceed 20	mg/L	IS 3025 (Part 17) IS84
3	Biochemical Oxygen Dem (3 days, 27°C)	hand.	3	Not to exceed 10		mg/L	IS 3025 (Part 44):593
4	Chemical Oxygen Deman	d	14	Not to r	exceed 50	mg/L	APHA, 23rd Ed., 5220-8, 5-18
5	Ammonical Nitrogen (as	a construction of a local sector	1.6	Not to	exceed 5	mg/L APHA 23rd Ed. 4580 NH3 F.	
Biolo	gical Testing; Group: Po	ollution 8	Environment				
Bact	eriological Parameters						
-	Faecal Coliforms		32	255555	han 100	MPN Index /100 ml	АРНА, 23-6 Ed., 9221-E, 9-77, 2017
6	sent Number & Date: Forn						

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TEST REPORT Report No. E/07/23/5116N 25/07/2023 Sample ID : E/07/23/5116 Report Date Name and address of Mumbai International Airport Ltd. Customer Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099, Maharashtra Sampling done by Sample Description / Type Treated Sewage Laboratory Effluent 19/07/2023 Sampling Location Terminal-1 STP RO Outlet Date - Sampling 2 L x 1 no. plastic can Date - Receipt of Sample 20/07/2023 Sample Quantity / Packing 250 ml x 1 no. Sterile bottle 1S 3025 (Part 1):1987, Amds.1 & 20/07/2023 Date - Start of Analysis Sampling Procedure APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, 8 9060 B, 9-39 & ISO 19458:2006 24/07/2023 SO. No. 5700330185 Date - Completion of Analysis Order Reference Method Limits as per MPCB Unit Sr.No. Parameter Result Consent Chemical Testing; Group: Pollution & Environment APHA 23rd Ed: 4500 N 84-109-2017 Total Nitrogen (as N) 4.2 Not to exceed 10 mg/L 1 Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/07/23/5116 bears two Test Reports - E/07/23/5116 and E/07/23/5116N ADSufer Engineers & (Ninad Soundankar Technical Manager (Chemical Reviewed & Authorised by End of Report atory Services Note: 1. The result listed refer only to the tested sample(s) and applicable parameter(s). 2. This report is not to be reproduced except in full, without written approval of the laboratory. 3. In case sampling is not done by laboratory, the results apply to the sample as received. 4. There are no additions to, deviations or exclusions from the method.



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TEST REPORT

Sample ID : £/07/23/5117	Report No. E/07/23/5117	Report Date	25/07/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio Ist Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal-2 STP Inlet	Date -Sampling	19/07/2023
Sample Quantity / Packing	2 L x 1 no, plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	20/07/2023
Sampling Procedure	15 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	20/07/2023
Order Reference	SO. No. 5700330185	Date - Completion of Analysis	24/07/2023

Method Parameter Result Unit Sr.No. Chemical Testing; Group: Pollution & Environment

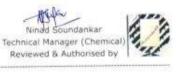
Phys	sical & Chemical Parameters			
1	pH (at 25°C)	6.8	-	IS 3025 (Part #) (883
7	Total Suspended Solids	108	mg/L	18.3025 (Part /7):1984
3	Biochemical Oxygen Demand (3 days, 27°C)	213	mg/L	1\$ 3075 (Part 44):1953
4	Chemical Oxygen Demand	640	mg/L	APHA, 23rd Ed., 5228-8, 5-18
5	Ammonical Nitrogen (as NH3-N)	32.5	mg/L	APHIA, 23rd Ed., 4500 NH3, 8 8 C. 4-114, 4-16
	ogical Testing; Group: Pollution & Enviro	onment		
Bact	teriological Parameters			
		350	MPN Index	APH& 73ed Ed. 9271-E 3-77-207

6	Faecal Coliforms	350	/100 ml	APHA, 73n8 Ed. 5221-E. 3 77.2007
Conse	ent Number & Date: Format 1.0/CAC/UAN NO	0000111260/CR/	2205000810 Date	13.05.2022

Note: Sample ID E/07/23/5117 bears two Test Reports - E/07/23/5117 and E/07/23/5117N

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TEST REPORT

Sample ID : E/07/23/5117	Report No. E/07/23/5117N	Report Date	25/07/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	anal Airport,	A
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal-2 STP Inlet	Date -Sampling	19/07/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	20/07/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds 1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	20/07/2023
Order Reference	SO, No. 5700330185	Date - Completion of Analysis	24/07/2023

Sr.No.	Parameter	Result	Unit	Method
Chem	ical Testing; Group: Pollution & Env	ironment	- 20	
1	Total Nitrogen (as N)	35.5	mg/L	APHA, 23rd Ed., 4500 N B4 108 2017
Conse	nt Number & Date: Format 1.0/CAC/UA	N NO. 0000111260/CR/2	205000810 Date	± 13.05.2022

Note: Sample ID E/07/23/5117 bears two Test Reports - E/07/23/5117 and E/07/23/5117N

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TEST REPORT

Sampl	e ID : E/07/23/5118	Report No	o. E/07/23/51	18	Report Date		25/07/2023
Name Custor	and address of mer	Chhatrap 1st Floor	ati Shivaji Mał	al Airport Ltd. haraj Internatik , Santacruz(E) rashtra	onal Airport,		
Sampl	ampling done by Labora		λ.		Sample Des	cription / Type	Treated Sewage Effluent
Sampl	ling Location	Terminal	2 STP RO Out	ilet	Date - Samp	sling	19/07/2023
Sampl	le Quantity / Packing	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	o. plastic can 1 no. Sterile t	bottle	Date - Receipt of Sample		20/07/2023
Sampl	ling Procedure	APHA 23	(Part 1):1987, rd Ed. 2017,10 9-36, & 9060 P 006	060 B, 1-40,	Date - Start	of Analysis	20/07/2023
Order	Reference	SO. No. 5	5700330185		Date - Com	pletion of Analysi	5 24/07/2023
ir.No.	Parameter	1000	Result	Limits as Con	per MPCB sent	Unit	Method
Chem	nical Testing; Group: Pol	lution & E	nvironment				
201001		and the second se					
	ical & Chemical Paramet	1619					
	ical & Chemical Paramet	lers	7.7	5.5	to 9.0	*	15 3025 (Part II) (983
Physi	4 5 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F 1 F	lers	7.7		to 9.0 exceed 20	- mg/L	IS 3825 (Part II):1983 IS 3825 (Part I7):1984
Physi 1	pH (at 25°C)			Not to e			
Physi 1 2	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem	and	13	Not to e Not to e	exceed 20	mg/L	15 3825 (Part 17) 1584 15 3825 (Part 44) 1553 APHA, 23rd Ed., 5228 (B. 5-18
Phys 1 2 3	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C)	and d	13 4	Not to e Not to e Not to e	exceed 20 exceed 10	mg/L mg/L	15 3825 (Part 17):1584 18 3825 (Part 44):1593
Phys 1 2 3 4 5	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C) Chemical Oxygen Deman	and d NH3-N)	13 4 16 2.4	Not to e Not to e Not to e	exceed 20 exceed 10 exceed 50	mg/L mg/L mg/L	15 3825 (Part 17):1584 15 3825 (Part 44):1533 APHA, 23rd Ed., 5228 B, 5-18
Physi 1 2 3 4 5 Biolo	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C) Chemical Oxygeri Deman Ammonical Nitrogen (as 1	and d NH3-N)	13 4 16 2.4	Not to e Not to e Not to e	exceed 20 exceed 10 exceed 50	mg/L mg/L mg/L	15:3825 (Part 17):1584 15:3825 (Part 44):1593 APHA, 23rd Ed., 5228 B, 5-18







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TEST REPORT Sample ID : E/07/23/5118 Report No. E/07/23/5118N Report Date 25/07/2023 Name and address of Mumbai International Airport Ltd. Customer Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099, Maharashtra Sampling done by Laboratory Sample Description / Type Treated Sewage Effluent. Sampling Location Terminal-2 STP RO Outlet 19/07/2023 Date - Sampling Sample Quantity / Packing Date - Receipt of Sample 2 L x 1 no. plastic can 20/07/2023 250 ml x 1 no. Sterile bottle Sampling Procedure 15 3025 (Part 1):1987, Amds.1 & Date - Start of Analysis 20/07/2023 APHA 23rd Ed. 2017,1060 B. 1-40. 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006 Order Reference SO. No. 5700330185 Date - Completion of Analysis 24/07/2023 Sr.No. Parameter Result Limits as per MPCB Unit Method Consent **Chemical Testing; Group: Pollution & Environment** 1 Total Nitrogen (as N) 4.9 Not to exceed 10 mg/L APHA, 23rd Ed., 4500 N.84-108.2017 Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/07/23/5118 bears two Test Reports - E/07/23/5118 and E/07/23/5118N theter 1 Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by Note 1. The result listed refer only to the tested sample(s) and applicable parameter(s). This report is not to be reproduced except in full, without written approval of the laboratory.
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TEST REPORT

Sample ID : E/08/23/5133	Report No. E/08/23/5133	Report Date	05/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio Ist Floor, Terminal 1-8, Santacruz(E), Mumbai-400099,Maharashtra	mal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	30/08/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	31/08/2023
Sampling Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	31/08/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	04/09/2023

ir.No.	Parameter	Result	Unit	Method
Chem	ical Testing; Group: Pollution & Enviro	onment		
	pH (at 25°C)	8.2	-	IS 3075 (Part 10 1983
1	Total Suspended Solids	80	mg/L	(\$ 3025 (Part (7))/584
2 3	Biochemical Oxygen Demand	160	mg/L	15 3025 (Part 44) 1953
	(3 days, 27°C) Chemical Oxygen Demand	480	mg/L	APHA, 73ed Ed., 57281-8, 5-48
4	Ammonical Nitrogen (as.NHJ-N)	19	mg/L	APHA, 23rd Ed., 4500 NH3, B S C, 4 -14, 4-16
Biolo	gical Testing; Group: Pollution & Envir	onment		1
6	Faecal Coliforms	220	MPN Index /100 ml	APHA, 22rd Ed., 9221-E, 9-77-2017

Note: Sample ID E/08/23/5133 bears two Test Reports - E/08/23/5133 and E/08/23/5133N Consent Number & Date: Format 1.0/0

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TEST REPORT

Sample ID : E/08/23/5133	Report No. E/08/23/5133N	Report Date	05/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	nnal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	30/08/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	31/08/2023
Sampling Procedure	1S 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & 150 19458:2006	Date - Start of Analysis	31/08/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	04/09/2023

Method Unit Result Parameter Sr.No. Chemical Testing; Group: Pollution & Environment Total Nitrogen (as N) 23.3

in Enginners & C

of Report

APHA, 23rd Ed. 4500 N 84-168-2007 mg/L

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 E/08/23/5133 and E/08/23/5133N Note: Sample ID E/08/23/5133 bears two Test Reports



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TEST REPORT

Sample ID : E/08/23/5134 Report N			ort No. E/08/23/5134 Report Date 05/09/2023				05/09/2023	
Name Custor	and address of ner	Chhatr 1st Flo	ai Internationa apati Shivaji Mah or, Terminal 1-8, ii-400099,Mahar	haraj Internatio Santacruz(E)	onal Airport,			
Sampl	ing done by	Labora	tory		Sample Desi	ription / Type	Treated Sewage Effluent	
Sampl	ing Location	Termin	al 1 STP RO Out	let	Date - Samp	ling	30/08/2023	
Sampl	e Quantity / Packing		no. plastic can I x 1 no. Sterile t	oottle	Date - Recei	pt of Sample	31/08/2023	
Sampl	ing Procedure	APHA 3 9060 A			Date - Start of Analysis		31/08/2023	
Order Reference Work O			Order No. 5700330185 dated 2023		Date - Completion of Analys		is 04/09/2023	
ir.No.	Parameter		Result		per MPCB sent	Unit	Method	
Chen	nical Testing; Group: Po	llution &	Environment	-				
Phys	ical & Chemical Parame	ters						
1	pH (at 25°C)		7.45	5.5-9.0		-	(\$ 3075 (Part II) (\$83	
2	Total Suspended Solids		10	Not to exceed 20		mg/L	IS 3075 (Part 07) 1984	
3	Biochemical Oxygen Dem (3 days, 27°C)	nand	4	Not to	exceed 10	mg/L	(S. 3025 (Part 44):993	
4	Chemical Oxygen Deman	hd	15	Not to	exceed 50	mg/L	APHA, 23rd Ed., 5220-B, 5-18	
5	Ammonical Nitrogen (as		1.72	Not to	exceed 5	mg/L	APHA, 22rd Ed., 4500 MPCL F. 4, 49	
Biolo	ogical Testing; Group: Pr		& Environment					
	ogical Parameters							
Biolo	Faecal Coliforms 34		Less than 100		MPN Index	APHA, 22rd Ed., 9271-E, 9-77, 2007		
6	Faecal Coliforms					/100 ml		

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Section In-charge (Biological)

Reviewed & Authorised by



Ninad Soundankar

Technical Manager (Chemical)

Reviewed & Authorised by

AEC/F/REP/1-A Page 1 of 1



TEST REPORT

Sample ID : E/08/23									
	3/5134	Report N	o. E/08/23/513	34N	Report Date			05/09/2023	
Name and address o Customer	f	Chhatrag 1st Floor	i Internationa sati Shivaji Mah , Terminal 1-B, 400099,Mahar	haraj Internatio , Santacruz(E),	nal Airport,				
Sampling done by		Laborato	ry		Sample Dest	ription / Type		Treated Sewage Effluent	
Sampling Location		Termina	1 STP RO Out	let	Date - Samp	ling		30/08/2023	
Sample Quantity / P	acking	C 25 C 25 C 25 C 27 K	no, plastic can x 1 no. Sterile t	bottle	Date - Recei	pt of Sample		31/08/2023	
Sampling Procedure		APHA 23	(Part 1):1987, 3rd Ed. 2017,10 9-36, & 9060 1 2006	060 B, 1-40,	Date - Start	of Analysis		31/08/2023	
Order Reference			der No. 57003	30185 dated	Date - Com	oletion of Analys	ās	04/09/2023	
Sr.No. F	Parameter	22.08.2	Result		per MPCB sent	Unit		Method	
	1.2.2.2			1 - Co					
Chemical Testing			Environment						
Physical & Chem	ical Parame	ters		1		1	20	944, 73rd Ed.: 4500 X.84-108 2017	
1 Total Nitrog Consent Number	en (as N)		6.2		exceed 10	mg/L		OR LUCCES, SHORT THE FOUNDER	
Ninad Soundankar					1.00				
Technical Manager (Reviewed & Authori		J	(Jana	bry Services Dw Eng of Report					
Technical Manager (ised by		view(6) and applie	Cable parameter	(5).				





TEST REPORT

Sample ID : £/08/23/5135	Report No. E/08/23/5135	Report Date	05/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	onal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	Date -Sampling	30/08/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	31/08/2023
Sampling Procedure IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	31/08/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	04/09/2023

Sr.No.	Parameter	Result	Unit	Method
	ical Testing; Group: Pollution & Enviro	nment	110	
1	pH (at 25°C)	6.79	-	18 3025 (Part II):1983
2	Total Suspended Solids	92	mg/L	IS 3975 (Part 17) (984
3	Biochemical Oxygen Demand (3 days, 27°C)	171	mg/L	IS 3975 (Part 44)/993
4	Chemical Oxygen Demand	500	mg/L	APHA, 23rd Ed. 5220-8, 5-18
5	Ammonical Nitrogen (as NH3-N)	29.1	mg/L	APHA, 23rd 54, 4500 XH3, 8 8 C, 4 -94, 4-96
	gical Testing; Group: Pollution & Envir	onment		
6	Faecal Coliforms	240	MPN Index /100 ml	APHA, 23rd Ed. 9221-E, 8-77. 2017

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/08/23/5135 bears two Test Reports - E/08/23/5135 and E/08/23/5135N

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TEST REPORT

Sample ID : E/08/23/5135	Report No. E/08/23/5135N	Report Date	05/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	onal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	Date -Sampling	30/08/2023
Sample Quantity / Packing	2 L x I no. plastic can 250 ml x I no. Sterile bottle	Date - Receipt of sample	31/08/2023
Sampling Procedure IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	31/08/2023
Order Reference	Work Order No. 5700330185 dated 22.08 2023	Date - Completion of Analysis	04/09/2023

Method Sr.No. Parameter Result Unit Chemical Testing; Group: Pollution & Environment APHA, 23rd Ed., 4500 N 84-108-207 Total Nitrogen (as N) 37.3 mg/L t Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022

Note: Sample ID E/08/23/5135 bears two Test Reports - E/08/23/5135 and E/08/23/5135N

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			TE	ST REPORT			
Sample	e ID : E/08/23/5136	Report No. E/08/23/5136		Report Date	<u>/</u>	05/09/2023	
Name Custor	and address of ner	Chhatra 1st Floo	i Internationa pati Shivaji Mal r, Terminal 1-8 -400099,Mahar	haraj Internati , Santacruz(E)	onal Airport,		
Sampl	ing done by	Laboratory		Sample Des	cription / Type	Treated Sewage Effluent	
Sampl	ing Location	Terminal 2 STP RO Outlet		Date - Samp	oling	30/08/2023	
Sampl	e Quantity / Packing	P. 1. 60 W 160 P. 1	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle		Date - Recei	pt of Sample	31/08/2023
Sampl	ing Procedure	APHA 2 9060 A,	1025 (Part 1): 1987, Amds. 1 & Date - Start o IA 23rd Ed. 2017, 1060 B, 1-40, 0 A, 9-36, & 9060 B, 9-39 & ISO 58: 2006		of Analysis	31/08/2023	
Order	Reference	Work Or 22.08.2	rder No. 57003. 023	30185 dated	Date - Com	pletion of Analys	is 04/09/2023
ir.No.	Parameter		Result		per MPCB sent	Unit	Method
Chem	nical Testing; Group: Po	llution &	Environment				
Physi	ical & Chemical Parame	ters					
1	pH (at 25°C)		7.6	5.5-9.0			13 3025 (Part II):0983
2	Total Suspended Solids		14	Not to a	exceed 20	mg/L	IS 3025 (Part 17) 1984
3	Biochemical Oxygen Dem (3 days, 27°C)	nand	6	Not to r	exceed 10	mg/L	15 3025 (Part 44) 1993
4	Chemical Oxygen Deman	hd	22	Not to	exceed 50	mg/L	APHA, 73re Ed., 5220-8: 5-18
5	Ammonical Nitrogen (as	NHa-N)	2	Not to	exceed 5	mg/L	APHA, 23rd Ed., 4508 NH3 F. 4, 15
Biolo	gical Testing; Group: Po	ollution &	Environment	8			
Biolo	gical Parameters					-	
	Faecal Coliforms		33 Less than 100		han 100	MPN Index /100 ml	APHA, 23rd E4, 8221-E, 9-77-2017
6	sent Number & Date: Forn						

and of Report

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Section In-charge (Biological)

Reviewed & Authorised by



Ninad Soundankar

Technical Manager (Chemical)

Reviewed & Authorised by



TEST REPORT

Sampl	e ID : E/08/23/5136	Report No. E/68/23/51	36N	Report Date		05/09/2023
Name Custor	and address of ner	Mumbai Internation Chhatrapati Shivaji Ma 1st Floor, Terminal 1-B Mumbai-400099,Maha	onal Airport,			
Sampl	ing done by	Laboratory		Sample Description / Type		Treated Sewage Effluent
Sampl	ing Location	Terminal 2 STP RO Outlet		Date - Sampl	ing	30/08/2023
Sampl	e Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle		Date - Receipt of Sample		31/08/2023
Sampl	ing Procedure	IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis		31/08/2023
Order Reference		Work Order No. 5700330185 dated 22:08.2023		Date - Completion of Ana		
šr.No.	Parameter	Result	Limits as Con	per MPCB sent	Unit	Method
Chem	ical Testing; Group: Po	llution & Environment				
Physi	cal & Chemical Parame	ters				
1	Total Nitrogen (as N)	4.9	Not to e	exceed 10	mg/L	APHA, 23rd Ed., 4500 N.84 108 201
Cons	sent Number & Date: Form	nat 1.0/CAC/UAN NO. 000 6 bears two Test Reports	00111260/CR/2	205000810 D	ate 13.05.2022 3/5136N	

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TEST REPORT

Sample ID : E/09/23/5063	Report No. E/09/23/5063	Report Date	21/09/2023
Name and address of Customer	Mumbai International Airport Ltd, Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	anal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	15/09/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	16/09/2023
Sampling Procedure IS 3025 (Part 1): 1987, Amds 1 8 APHA 23rd Ed. 2017, 1050 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 B ISO 19458:2006		Date - Start of Analysis	16/09/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	20/09/2023

Sr.No. Parameter Result Chemical Testing; Group: Pollution & Environment

4	pH (at 25°C)	7.9	1.00	15 3025 (Part 0) 1983
1	Total Suspended Solids	88	mg/L	15 3025 (Part 17)-1984
3	Biochemical Oxygen Demand (3 days, 27°C)	151	mg/L	IS 3025 (Part 44)-1993
4	Chemical Oxygen Demand	440	mg/L	APHA, 23rd Ed., 5220-8, 5-18
5	Ammonical Nitrogen (as NH3-N)	21.3	mg/L	APHA, 23rd Ed., 4500 NH3, 8 & C. 4-114, 4-18
	ogical Testing; Group: Pollution & Enviro	nment		
Biol	ogical Parameters			
б	Faecal Coliforms	240	MPN Index /100 ml	4PHA, 73rd Ed. 9221-E, 9-77, 2017

Unit

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/09/23/5063 bears two Test Reports - E/09/23/5063 and E/09/23/5063N

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Method

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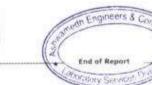
TEST REPORT

Sample ID : E/09/23/5063	Report No. E/09/23/5063N	Report Date	21/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	inal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date -Sampling	15/09/2023
Sample Quantity / Packing	2 L × 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	16/09/2023
Sampling Procedure IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	16/09/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	20/09/2023

Method Result Unit Sr.No. Parameter Chemical Testing; Group: Pollution & Environment APHA, 23rd Ed. 4500 N 84 108 2017 Total Nitrogen (as N) 21.5 mg/L 1 Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note:

Sample ID E/09/23/5063 bears two Test Reports - E/09/23/5063 and E/09/23/5063N





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TEST REPORT

Samp	le 1D : E/09/23/5064	Report No. E/09/23/5064		Report Date	- · · ·	21/09/2023		
Name Custo	and address of mer	Chhatra 1st Floc	i Internation Ipati Shivaji Ma Ir, Terminal 1-8 I-400099,Maha	haraj Internati I, Santacruz(E)	onal Airport,			
Samp	iing done by	Laboratory		Sample Des	cription / Type	Treated Sewage Effluent		
Samp	ling Location	Termina	I 1 STP RO OU	llet	Date - Samp	pling	15/09/2023	
Samp	le Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle		Date - Receipt of Sample		16/09/2023		
Samp	ing Procedure	APHA 2 9060 A	025 (Part 1):1987, Arnds.1 & Date - Start of A 23rd Ed. 2017,1060 B, 1-40, 0 A, 9-36, & 9060 B, 9-39 & ISO 58:2006		of Analysis	16/09/2023		
Order	1107757575757575757575		Order No. 5700330185 dated 2023		Date - Completion of Analys		is 20/09/2023	
r.No.	Parameter		Result Limits as		per MPCB sent	Unit	Method	
Chem	ical Testing; Group: Pol	lution & I	Environment					
Phys	cal & Chemical Paramet	ers						
1	pH (at 25°C)		7.6	5.5 to 9.0		-	(\$ 2025 (Part II) (983	
2	Total Suspended Solids		8	Not to e	xceed 20	mg/L	(5.3025 (Part 17)-(984	
3	Biochemical Oxygen Demi (3 days, 27°C)	and	4	Not to e	xceed 10	mg/L	15-3075 (Part 44)(993)	
8	(3 0dys, 27 C)		16	Not to exceed 50		mg/L	APHA, 73rd Ed., 5220-B, 5-18	
4	Chemical Oxygen Demand	1	**	NHa-N) 1.88 Not to a			APHIL 23rd Ed. 4500 NH3 F. 4-15	
	a superior and a superior second s			Not to	exceed 5	mg/L	APHA: 23rd Ed., 4500 NH3 F, 4-15	
4	Chemical Oxygen Demand	(Ha-N)	1.88	Not to	exceed 5	mg/L	APHA, 23rd Ed., 4500 NH3, F, 4, 15	
4 5 Biolo	Chemical Oxygen Demand Ammonical Nitrogen (as N	(Ha-N)	1.88	Not to	exceed 5	mg/L	APHL 73rd Ed. ASOD NH3 F. 4-15	

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TEST REPORT

Sample ID : E/09/23/5064	Report	Report No. E/09/23/5064N		Report Date			21/09/2023
Name and address of Customer	Chhat 1st Fit	oai Internation rapati Shivaji Ma oor, Terminal 1-B al-400099,Maha	haraj Internatio , Santacruz(E)	onal Airport,			
Sampling done by	Labora	Laboratory		Sample Description / Type			Treated Sewage Effluent
Sampling Location	Termin	Terminal 1 STP RO Outlet		Date - Sampl	ing		15/09/2023
Sample Quantity / Packing	[1] COMPLEXED	2 L × 1 no. plastic can 250 ml × 1 no. Sterile bottle		Date - Receipt of Sample			16/09/2023
Sampling Procedure IS 3025 (Part 1): 1987, / APHA 23rd Ed. 2017, 104 9060 A, 9-36, & 9060 B 19458: 2006		060 B, 1-40,	Date - Start of Analysis			16/09/2023	
Order Reference	100000000000000000000000000000000000000	Work Order No. 5700330185 dated		Date - Completion of Analysis		sis	20/09/2023
ir.No. Paramete	•	Result	Limits as Con	per MPCB sent	Unit		Method
Chemical Testing; Group:	Pollution 8	Environment				-	
the second se		the second se		exceed 10	mg/L	1.9	HA, 23ed Ed., 4500 N.BA 108 (202



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TEST REPORT

Sample ID : E/09/23/5065	Report No. E/09/23/5065	Report Date	21/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio 1st Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	onal Airport,	h
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	Date -Sampling	15/09/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	16/09/2023
Sampling Procedure IS 3025 (Part 1):1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006		Date - Start of Analysis	16/09/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	20/09/2023

Parameter	Result	Unit	Method
ical Testing; Group: Pollution & Enviro	nment		
cal & Chemical Parameters			
pH (at 25°C)	6.86	· ·	15 3025 (Part II):1983
Total Suspended Solids	98	mg/L	1\$ 3075 (Part 17):1984
Biochemical Oxygen Demand (3 days, 27°C)	186	mg/L	1\$ 3075 (Part 44):1993
Chemical Oxygen Demand	540	mg/L	APHA, 23rd Ed., 5220-8, 5-18
Ammonical Nitrogen (as NH3-N)	28	mg/L	APHA, Z3rd Ed., 4590 NH3, 8/8/0, 4 -10, 4-10
gical Testing; Group: Pollution & Envir	onment	W	
gical Parameters	14		
Faecal Coliforms	280	MPN Index /100 ml	APHA, 23rd Ed., 9221-1, 9-77, 2017
	ical Testing; Group: Pollution & Enviro cal & Chemical Parameters pH (at 25°C) Total Suspended Solids Biochemical Oxygen Demand (3 days, 27°C) Chemical Oxygen Demand Ammonical Nitrogen (as NH3-N) gical Testing; Group: Pollution & Enviro gical Parameters	ical Testing; Group: Pollution & Environment ical & Chemical Parameters pH (at 25°C) 6.86 Total Suspended Solids 98 Biochemical Oxygen Demand 186 (3 days, 27°C) Chemical Oxygen Demand 540 Ammonical Nitrogen (as NH ₃ -N) 28 gical Testing; Group: Pollution & Environment gical Parameters	field Testing; Group: Pollution & Environment cal & Chemical Parameters pH (at 25°C) 6.86 Total Suspended Solids 98 Biochemical Oxygen Demand 186 (3 days, 27°C) 740 Chemical Oxygen Demand 540 Ammonical Nitrogen (as NH3-N) 28 gical Testing; Group: Pollution & Environment gical Parameters Faecal Coliforms 280

Sample ID E/09/23/5065 bears two Test Reports - E/09/23/5065 and E/09/23/5065N

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TEST REPORT

Sample ID : E/09/23/5065	Report No. E/09/23/5065N	Report Date	21/09/2023
Name and address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj Internatio Ist Floor, Terminal 1-B, Santacruz(E), Mumbai-400099,Maharashtra	anal Airport,	
Sampling done by	Laboratory	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 2 STP Inlet	Date -Sampling	15/09/2023
Sample Quantity / Packing	2 L x 1 no. plastic can 250 ml x 1 no. Sterile bottle	Date - Receipt of sample	16/09/2023
Sampling Procedure	IS 3025 (Part 1): 1987, Amds.1 & APHA 23rd Ed. 2017,1060 B, 1-40, 9060 A, 9-36, & 9060 B, 9-39 & ISO 19458:2006	Date - Start of Analysis	16/09/2023
Order Reference	Work Order No. 5700330185 dated 22.08.2023	Date - Completion of Analysis	20/09/2023

Unit Parameter Result Method Sr.No. 20.00 . Chemical Testing; Group: Pollution & Environment 1 Total Nitrogen (as N) 32.4 APHA, 73rd Ed. 4500 N 84-108 2017 mg/L

Consent Number & Date: Format 1.0/CAC/UAN NO. 0000111260/CR/2205000810 Date 13.05.2022 Note: Sample ID E/09/23/5065 bears two Test Reports - E/09/23/5065 and E/09/23/5065N

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- 4. There are no additions to, deviations or exclusions from the method.







TEST REPORT

Sampi	le ID : E/09/23/5066	Report 1	No. E/09/23/50	66	Report Date	ŧ	21/09/2023
Name Custor	and address of mer	Chhatra 1st Floo	ii Internationa pati Shivaji Mal ir, Terminal 1-B I-400099,Mahar	haraj Internati , Santacruz(E)	onal Airport,		
Sampl	ling done by	Laborat	ory		Sample Des	cription / Type	Treated Sewage Effluent
Sampl	ling Location	Termina	I 2 STP RO Out	let	Date - Samp	oling	15/09/2023
Sampl	le Quantity / Packing	1111111	no. plastic can x 1 no. Sterile t	bottle	Date - Recei	ipt of Sample	16/09/2023
Sampl	ling Procedure	APHA 2	(Part 1):1987, 3rd Ed. 2017,10 9-36, & 9060 F 2006	060 B, 1-40,	Date - Start	of Analysis	16/09/2023
Order	Reference	Work Or 22.08.2	der No. 570033 023	30185 dated	Date - Comp	pletion of Analys	is 20/09/2023
r.No.	Parameter		Result	Limits as Con	per MPCB sent	Unit	Method
Chem	nical Testing; Group: Po	llution & I	Environment	1			
Physi	ical & Chemical Parame	ters					
Physi 1	cal & Chemical Parame pH (at 25°C)	ters	8.0	5.5	to 9.0		15 3025 (Part II):983
		ters	8.0 16		to 9.0 exceed 20	mg/L	15 3025 (Part 10:4983 15 3025 (Part 17:4984
1	pH (at 25°C)			Not to e			
1 2	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem	nand	16	Not to e Not to e	exceed 20	mg/L	15 3025 (Part 17):1964
1 2 3	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C)	hand d	16 5	Not to e Not to e Not to e	exceed 20 exceed 10	mg/L mg/L	IS 3025 (Part 17)/964 IS 3025 (Part 44)/1593
1 2 3 4 5	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C) Chemical Oxygen Deman	iand d NH3-N)	16 5 21 2.6	Not to e Not to e Not to e	exceed 20 exceed 10 exceed 50	mg/L mg/L mg/L	35 3025 (Part 17)/1864 35 3025 (Part 44):1593 APHA: 23rd Ed., 5220-8; 5-18
1 2 3 4 5 Biolo	pH (at 25°C) Total Suspended Solids Biochemical Oxygen Dem (3 days, 27°C) Chemical Oxygen Deman Ammonical Nitrogen (as	iand d NH3-N)	16 5 21 2.6	Not to e Not to e Not to e	exceed 20 exceed 10 exceed 50	mg/L mg/L mg/L	35 3025 (Part 17)/1864 35 3025 (Part 44):1593 APHA: 23rd Ed., 5220-8; 5-18

Sonali Kapse Section In-charge (Biologicai) Reviewed & Authorised by



Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



Note:

- 1. The result listed refer only to the tested sample(s) and applicable parameter(s).
- 2. This report is not to be reproduced except in full, without written approval of the laboratory.
- 3. In case sampling is not done by laboratory, the results apply to the sample as received.
- 4. There are no additions to, deviations or exclusions from the method.





TEST REPORT

Sample ID : E/09/23/5066	Repor	t No. E/09/23/50	66N	Report Date		21/09/2023
Name and address of Customer	Chhat 1st Fl	bai Internation rapati Shivaji Ma oor, Terminal 1-B oai-400099,Maha	haraj Internatio , Santacruz(E)	onal Airport,		
Sampling done by	Labor	atory		Sample Desc	ription / Type	Treated Sewage Effluent
Sampling Location	Termi	nal 2 STP RO Out	det	Date - Sampl	ling	15/09/2023
Sample Quantity / Packing	107 Cont	1 no. plastic can nl x 1 no. Sterile	bottle	Date - Receig	ot of Sample	16/09/2023
Sampling Procedure	APHA 9060	25 (Part 1):1987 23rd Ed. 2017,1 A, 9-36, & 9060 3:2006	060 B, 1-40,	Date - Start o	of Analysis	16/09/2023
Order Reference	Work 22.08	Order No. 57003 2023	30185 dated	Date - Comp	letion of Analy	sis 20/09/2023
r.No. Paramete		Result	Limits as Con	per MPCB sent	Unit	Method
Chemical Testing; Group:	Pollution 8	Environment	1			
1 Total Nitrogen (as N)		5.8	Not to e	xceed 10	mg/L	APHA, 23rd Ed., 4500 N.84-108-2017



Ninad Soundankar Technical Manager (Chemical) Reviewed & Authorised by



- The result listed refer only to the tested sample(s) and applicable parameter(s).
 This report is not to be reproduced except in full, without written approval of the laboratory.
 In case sampling is not done by laboratory, the results apply to the sample as received.
 There are no additions to, deviations or exclusions from the method.



Annexure- 04 DG set photograph

Annexure – 04 DG Set Enclosure and CPCB complaint level



Annexure -05 Last compliance report submission letter

Half Yearly Environment Clearance Compliance report for CSMIA -reg	
ral-ngp-mef@gov.in; eccompliance-mh@gov.in; SRO Mumbai 2;	(teply All → Forward Wed 5/31/2023 2:31 PM
arcnitupriticpcob@nic.in Cc Ashwin Noronha; Yadu Arora; Shalin Shah; Azharuddin Kazi	
EC 2011 Landside MIAL Compliance (Oct- 22_March-2023),pdf - complexed of File - pdf File	
Dear Sir/Madam,	•
Please find enclosed herewith the compliance report(s) of EC conditions for the period of October to March of FY 22-23.	
We could not upload the report on Parivesh portal maybe due to congestion it is showing technical error therefore we are submitting this through email.	ough email.
Thanking you.	
Yours faithfully,	
With regards, Saniav Rathod	
Manager – Environment & Sustainability, Chhatrapati Shivaji Maharaj International Airport	
Mumbai International Airport Limited 1st Floor, Terminal 1, Santacruz (E), Mumbai 400 099, India	
Mobile: +91 9898134277 Ph.+ www.csmia.adaniairports.com	



31st May 2023

No. MIAL/ENV/23/18

To,

Principal Secretary, Government of Maharashtra, Environment department, Room no. 217, 2nd Floor, Mantralaya Annex, Mumbai - 400032.

Dear Sir,

- Subject: Half yearly Environmental Compliance report of amendment in Environment Clearance for Non-Operational Area (Landside) Development of Chhatrapati Shivaji Maharaj International Airport and construction of Six buildings by M/s Mumbai International Airport Ltd.
- Ref: Environment clearance no. SIA/MH/MIS/127703/2019 dated 31st March 2020, by SEIAA, GoM & File no. SEAC-2010/CR.53/TC-2 dated-1st July 2011, MOEFFECC.

With reference to above subject please find enclosed compliance status of EC conditions, for the period of October- 2022 to March- 2023.

We could not upload compliance status on PARIVESH portals because of technical error on portal therefore this is being submitted through email.

Thanking you.

Yours faithfully,

For Mumbal International Airport Limited

Mr. Ashwin Noronha Chief Operating Officer (COO)

Encl: Half yearly Environmental Compliance report and annexures.

- CC: 1) Additional PCCF- Ministry of Environment, Forest & Climate Change, Regional office - Nagpur
 - 2) Zonal officer- Central Pollution Control Board, Vadodara
 - 3) Regional officer Maharashtra Pollution Control Board, Sion (E)

Mumbai International Airport Limited Chiatrapet: Shiveli Maharaj International Airport 1st Filost, Terminal 18, Santacruz (E), Mumbai 400 099, Maharashtra, India Chi: Ludsz00/Mir200EPLC160164

Tel +91 22 6685 0900 / 6685 0901 csmla.adaniairporta.com

Registered office: Office of the Airport Director, Terminal-18, CSMI Airport, Mumbai - 400099, Maharashtra, India

Annexure -06 FY22-23 Environment Statement Form- V

1-mar	llution Control Boa	rd	
महाराष्ट्र प्रदू	षण नियंत्रण मंडळ		
ORM V See Rule 14)			
nvironmental Audit Report for the financial Yea	ar ending the 31st March 2023		
Unique Application Number		Submitted Dat	te
MPCB-ENVIRONMENT_STATEMENT-0000057291		12-09-2023	
PARTA			
Company Information			
Company Name Mumbai International Airport Ltd	Application UAN number MPCB-CONSENT-0000111260		
Address Ferminal 1B, 1st floor, Chhatrapati Shivaji Interationa Airport, Santacruz (E), Mumbai			
Plot no	Taluka	Village	
ferminal 1, Santacruz east	Andheri	Santacruz	
Capital Investment (In lakhs) 1113262.00	Scale L.S.I	City Mumbal city	
Pincode 00099	Person Name Sanjay Rathod	Designation Manager - Environment &	Sustainability,
Telephone Number 1898134277	Fax Number 02266850778	Email sanjay.rathod@adani.com	
Region RO-Mumbai II	Industry Category Red	Industry Type other	
ast Environmental statement submitted online res	Consent Number MPCB-CONSENT-0000111260	Consent Issue Date 2022-05-13	
Consent Valid Upto	Establishment Year	Date of last environmen submitted	
024-05-31 ndustry Category Primary (STC Code) & Secondary (STC Code)	2005	Sep 29 2022 12:00:00:000	MAK
Product Information			
	Consent Quantity D	Actual Quantity	Nos./Y
By-product Information			
By Product Name	Consent Quantity 0	Actual Quantity	Nos./Y
art-B (Water & Raw Material Consum			
l) Water Consumption in m3/day Water Consumption for	Consent Quantity in m3/day	Actual Quantity	in mB/day

		0.00		0.00		
Cooling		0.00		0.00		
Domestic		7100.00		2410,44		
All others		0.00		0.00		
Total		7100.00		2410.44		
2) Effivent Gener Particulars	ation in CMD / MLI		sent Quantity	Actual Que	antity	UOM
Sewage generation	at CSMIA	661		1571.70		CMD
	Process Water Con r unit of product)	sumption (cubic meter of				
Name of Products	(Production)		During the Previous financial Year		the current	UOI
OTHERS			0	0	lai year	
		sumption of raw material				
per unit of produce Name of Raw Mat			uring the Previous		he current	UOI
NA		fi 0	inancial Year	Financia	l year	CME
2578		(27)	<i>6</i>	2642		56702
4) Fuel Consumpt	tion	-				
Fuel Name		Consent quantity 14760	Actual Q 78.40	wantity	Ltr	
Part-C						
Pollution discharg		nt/unit of output (Parameter a Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	s specified in the cons s Percentage of variation from prescribed standards with	ent issued)		
Pollution discharg	Quantity of Pollutants discharged	t/unit of output (Parameter a Concentration of Pollutants discharged(Mg/Lit) Except	s specified in the cons s Percentage of variation from prescribed	ent issued) Standard		
Pollution dischary (A] Water Pollutants Detail	Quantity of Pollutants discharged (kL/day)	nt/unit of output (Parameter a Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	s specified in the cons s Percentage of variation from prescribed standards with reasons			arge
Pollution discharg [A] Water Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	nt/unit of output (Parameter a Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation	Standard	Reason Pollutant disch	arge d limit arge
Pollution discharg [A] Water Pollutants Detail PH Suspended Solids	Quantity of Pollutants discharged (kL/day) Quantity 7.3 11.92	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration 7.3	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation 0	Standard 8	Reason Pollutant disch within standar Pollutant disch	arge d limit arge d limit arge
Part-C Pollution dischary [A] Water Pollutants Detail PH Suspended Solids BOD 3 days (27oC COD	Quantity of Pollutants discharged (kL/day) Quantity 7.3 11.92	Concentration of Pollutants discharged(Mg/Lit) Except PH, Temp, Colour Concentration 7.3 14.1	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation 0	Standard 8 50	Reason Pollutant disch within standar Pollutant disch within standar Pollutant disch	arge d limit arge d limit arge d limit arge
Pollution discharg [A] Water Pollutants Detail PH Suspended Solids BOD 3 days (27oC COD [B] Air (Stack)	Quantity of Pollutants discharged (kL/day) Quantity 7.3 11.92 4.17 15.42	t/unit of output (Parameter a Concentration of Pollutants discharged(Mg/Lit) Except PH, Temp, Colour Concentration 7.3 14.1 6.2 21.8	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation 0 0 0	Standard 8 50 30	Reason Pollutant disch within standar Pollutant disch within standar Pollutant disch within standar Pollutant disch	arge d limit arge d limit arge d limit arge
Pollution discharg (A] Water Pollutants Detail PH Suspended Solids BOD 3 days (27oC COD (B] Air (Stack)	Quantity of Pollutants discharged (kL/day) Quantity 7.3 11.92 4.17	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration 7.3 14.1 6.2 21.8 Concentration of Pollutai discharged(Mg/NM3)	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Standard 8 50 30 100	Reason Pollutant disch within standar Pollutant disch within standar Pollutant disch within standar Pollutant disch within standar	arge d limit arge d limit arge d limit arge
Pollution discharg [A] Water Pollutants Detail PH Suspended Solids BOD 3 days (27oC COD	Quantity of Pollutants discharged (kL/day) Quantity 7.3 11.92 4.17 15.42 Quantity of Pollutants discharged	Concentration of Pollutants discharged(Mg/Lit) Except PH, Temp, Colour Concentration 7.3 14.1 6.2 21.8 Concentration of Pollutan	s specified in the cons s Percentage of variation from prescribed standards with reasons %variation 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Standard 8 50 30 100	Reason Pollutant disch within standar Pollutant disch within standar Pollutant disch within standar	arge d limit arge d limit arge d limit arge

Total Particulate 0 matter (mg/Nm3)	16.36	0	150 Pollutant dis within stand limit	
Part-D				
HAZARDOUS WASTES				
Hazardous Waste Type		Total During Previou Financial year	s Total During Current Financial year	UOM
5.1 Used or spent oil		11.760	0	MT/A
5.2 Wastes or residues contain	ing oil	0	7.7	MT/A
33.1 Empty barrels /containers chemicals /wastes	/liners contaminated with hazardous	0.4	1.84	MT/A
23.1 Wastes or residues (not m	ade with vegetable or animal materials)	82.40	5.97	MT/A
2) From Pollution Control Fi	acllities			
Hazardous Waste Type	Total During Previous Financial year	Total During Curr 0	rent Financial year	UOM
Part-E				
	Total During Previous Financial year	Total During Current	t Financial year	UOM
Plastic waste	180	796.83		MT/A
Waste Paper	188	419.995		MT/A
Waste glass bottles	120	132.21		MT/A
Broken tins	168	134,66		MT/A
Other Misc. scrap Waste cotton	147	87.965		MT/A MT/A
	10.00	1.51		0.0400
Wet waste	1397	555.1		MT/A
Organic / food waste	517	207.71		MT/A
Waste wood	150	46.363		MT/A
2) From Pollution Control F Non Hazardous Waste Type STP sludge		l year Total During B.4	Current Financial year	UOM MT/A
3) Quantity Recycled or Re-	utilized within the			
Waste Type	Total During Pre year	vious Financial Total year	During Current Financial	UOM
0	D	D		MT/A
Part-F				
	ristics(in terms of concentration and qu dopted for both these categories of was		s well as solid wastes and	
1) Hazardous Waste				

7	ype of Hazardous Waste Generated	Qty of Hazardous Waste	иом	Concentration of Hazardous Waste
5	2 Wastes or residues containing oil	7.7	MT/A	Hazardous Waste is being disposed to M/s Mumbai Waste Management Limited (MWML)
2	0.2 Spent solvents	0	MT/A	NA
5	.1 Used or spent oil	0	MT/A	NA
c	3.1 Empty barrels /containers /liners ontaminated with hazardous chemicals wastes	1.84	MT/A	Hazardous Waste is being disposed to M/s Mumbai Waste Management Limited (MWML).
	3.1 Wastes or residues (not made with egetable or animal materials)	5.970	MT/A.	This hazardous Waste is being disposed to M/s Trans Thane Creek Waste Management Association (TTCWMA) for landfill after treatment. This is MPCB authorized disposal agency

2) Solid Waste Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Waste plastic	796.83	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed.
Waste paper	420.83	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Waste glass bottle	132.21	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Waste wood	46.363	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Broken tin	134.66	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Wet garbage	555.1	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Other scrap	87.985	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Waste cotton	0	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed
Food waste (OWC) treated	207.71	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Compost. Segregation of the waste is being done at the contractors end after the waste is disposed

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance <mark>(</mark> in Lacs)
Energy saving measures at CSMIA	0	0	0	500000	140	0

Part-H

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)

[B] Investment Proposed for next Year Detail of measures for Environmental Protection Environmental Protection Measures Capital Investment
Detail of measures for Environmental Protection Environmental Protection Measures Capital Investment
NA NA GO
Part-I

NII- The Form 5 is cumulative all the CTO (CSMIA & MLCP) both, Para no 4 DG fuel DG Diesel were not appear in the Tab so mentioned figure and submitted

Name & Designation

Sanjay Rathod Manager Environment & Sustainability

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000057291

Submitted On:

12-09-2023

Annexure -07 FY22-23 PESO License HIGH BURGE Government of India वाणिज्य और उद्योग मंत्रलय 16 Ministry of Commerce & Industry देट्रोसियम तथा विस्फोटक सुरक्षा संगठन (पैसी) Petroleum & Explosives Safety Organisation (PESO) ए-1 और ए-2 बिंग, पाँधवा तल, केंद्रीय कार्यालय परिसर, सी.डी.डी. बेसापुर मदी मुंबई (लहा.) 400614 A1 & A2 wing, 5th Floor, C.G. O. complex, CBD Belapur, Navi Mumbai (M.S.), Mumbai - 400614 E-mail : itccemumbal@explosives.gov.in Phone/Fax No : 022 - 27575946,27573881 #1941 No. P/WC/MH/16/2239 (P267699) 2-06 (Dated : 14/10/2014 लेग में गुरू MIS. MUMBAI INTERNATIONAL AIRPORT PVT. LTD., SY-1405 (Part of),Marol Village,, Andheri (East), MUMBAL District: MUMBAI, State: Maharashtra PIN: 400099 Res: /Sub : Plot No, SY.NO. 1405(PART OF)., NA, MAROL VILLAGE, ANDHERI (E)., District: MUMBAI, State: Maharashtra, PIN: 999999 में दियत विद्वमान पेट्रोसियम वर्ग B अपिण्ठापन में अनुजन्ति सं P/WC/MH/16/2239 (P267699) के लडीकरण के संदर्भ में । Existing Petroleum Class B Installation at Plot No. SY.NO. 1405(PART OF)., NA, MAROL VILLAGE, ANDHERI (E)., District: MUMBAI, State: Maharashtra, PIN: 999999 - Licence No. P/WC/MH/15/2239 (P267699) - Renewal regarding. महोदग /5% (0). भगवा आपके पर जमांक MIALIEH दिनांक 29/09/2014 का अपनीकन करें । Please refer to your letter No : MIAL/EH, dated 29/09/2014 अनुजन्ति संहया P/WC/MH15/2239 (P267699) दिनंब 16/07/2012 को दिनंब 31/12/2024 तब जडीलीकृत कर इस पर के लग्ध उद्दित 4 m 10 t 1 Licence No. P/WC/MH/15/2239 (P267689) dated 16/07/2012 is forwarded horselfb duty com ACCESHICS 414 414 414 2002 के अधील बनाए गए नियम 148 में दी गई प्रक्रिया का कडाई से पालन करें । अनुप्रपति के नवीकरण हेतु समस्त दसल्वीजी को अनुगप्ति की वैधात समाप्त होने की तिथि से कम से कम 30 दिन पूर्व so as to reach this कार्यासय में प्रस्तुत को । Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the Scence so as to reach this office on or before the date on which Licence expires. कृपया पावली दे। Please acknowledge the receipt. Note : Your Belance-Amount with the Organisation.is (2000) which will be used for proceeding of the same Licence in future. अतदीय /Yours faithfully, . (A.K.Srivastava) Controller of Explosives कृते संपर्कत मुख्य विस्फोटक नियंवक For Jt. Chief Controller of Explosives नती मुंदई (मदा.) Mumbai . (अधिक जानकरों जैसे आवेदन की स्थिति, कुक तथा जल्द विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें) (For more information regarding status,fees and other details please visit our weballe: http://peso.gov.in) .