

**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 2021 – September 2021



Chhatrapati Shivaji Maharaj
INTERNATIONAL AIRPORT
MUMBAI

Ref: MIAL/ENV/22/08

July 29, 2022

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 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. and as amended.

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 above, please find enclosed herewith the compliance Report of EC conditions for the period from April 2021 to September 2021.

Kindly acknowledge the receipt of the EC compliance report.

Thanking you.

Yours faithfully,

For Mumbai International Airport Limited

Head - Environment & Sustainability

Encl: Half yearly Environmental Compliance report and annexure.

- 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

Chhatrapati Shivaji Maharaj International Airport
1st Floor, Terminal 1B, Santacruz (E),
Mumbai 400 099,
Maharashtra, India
CIN: U45200MH2006PLC160164

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SIX MONTHLY COMPLIANCE REPORT

(01.04.2021 to 30.09.2021)

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

Present Status:

The amendment in EC File no. SIA/MH/MIS/1277 03/2019 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.

New Environment Clearance approval 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 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.

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) have been shelved.

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 Conditions:</u>		
I.	As agreed by PP, PP to provide Environmental Information Dissemination Centers in the premises as a part of CER activities	Noted for compliance.
II.	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.	Noted and will submit the copy of MoU when CSMIA will commence the project activities.
III.	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	Noted and will be complied.

S.N.	Conditions	Compliance Status
Specific Conditions:		
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.	Noted for compliance, CER program will be prepared according to the financial year wise construction plan.
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.	Noted for compliance
General Conditions:		
I.	E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016.	Complied: 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 25.06.2021. Refer Annexure -01.
II.	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 to abide by the condition as & when developments will be undertaken. Refer Annexure -02 for occupancy certificate of MLCP building no. 5.
III.	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 implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.	Noted and will be complied.
IV.	PP has to abide by the conditions stipulated by SEAC& SEIAA.	Noted and will be complied.
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.	Noted and complied, the approval was obtained for MLCP building and will be Complied for remaining development. Refer Annexure -02 for occupancy certificate and design approval.

S.N.	Conditions	Compliance Status
Specific Conditions:		
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 which was valid up to 30.10.2021. Renewal application has been submitted to MPCB vide application dated 28.06.2021.
VII.	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Noted and will be Complied, mobile bio water closet, regular inspection on cleanliness and maintenance were ensured and same will be implemented at the time of construction of remaining building.
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.	Noted and will be complied, drinking water and sanitary facilities were provided during construction of MLCP building no. 5 and the same will be followed for remaining developments.
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: Waste management system has been implemented and being followed. Waste generated at MLCP is collected along with the waste generated at airside, 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.
X.	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 approved sites with the approval of competent authority.	Noted and will be Complied, muck generated during construction of MLCP was disposed at approved sites only. The same will be followed for remaining developments.
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 the same will be followed for remaining developments.
XII.	All the topsoil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Complied: Topsoil excavated during construction of MLCP building was reused for developing green area/garden at the back of project site. Topsoil will be tested to analyze and identify its usage at the time of remaining developments.
XIII.	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage	Noted and will be complied as & when developments will be undertaken.

S.N.	Conditions	Compliance Status
Specific Conditions:		
	system of the area is protected and improved.	
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, landscaping & plantation are maintained for the available area at MLCP & its surrounding. The same will be followed for remaining developments.
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.	Noted for compliance during construction of remaining buildings.
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.	Noted for compliance: existing waste management and handling SOPs shall be extended for handing of construction spoils, including bituminous material and other hazardous materials.
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.	Noted for compliance: Generated HW is disposed-off as per MPCB guidelines to authorized waste disposal sites and the same will be followed.
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.	Noted for compliance. Complied During construction of MLCP building no. 5 and will be complied during construction of remaining buildings.
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. Diesel required for DG sets are stored in bowzers. DG sets are kept for Emergency use and operated only for testing and O&M checks. quantity of diesel stored is less which does not qualify for statutory approvals.
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.	Noted for compliance during construction of remaining buildings.
XXI.	Ambient noise levels should conform to residential standards both during day and night.	Noted for compliance. Regular ambient noise level monitoring is carried out by the NABL accredited laboratory. Refer Annexure 03 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.	Noted for compliance. Regular ambient air and noise quality monitoring is carried out to check levels of noise as per prescribed standards by the NABL accredited laboratory. Construction sites near residential areas are barricaded using TCT sheet fencing used as noise &

S.N.	Conditions	Compliance Status
Specific Conditions:		
		dust barriers. Refer Annexure 03 for the monitoring reports.
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 th August 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Noted for compliance. Fly ash-based building material were used in construction and same will be followed for remaining developments.
XXIV.	Ready mixed concrete must be used in building construction.	Noted for compliance. Ready Mix concrete was used during construction of MLCP building no. 5 and will be followed for remaining developments.
XXV.	Storm water control and its re-use as per CGWB and BIS standards for various applications	Noted for compliance. All applicable approved norms were implemented for MLCP, and we assure to abide by the condition for the remaining developments.
XXVI.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Noted for compliance. During construction of MLCP Building No. 5 water was reduced by use of pre-mixed concrete and the same will be followed for remaining developments.
XXVII.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Noted for compliance: However, no ground water is being extracted.
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. 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 of Terminal 01 STP where MLCP building sewage is treated. The wastewater generated through the new development will be treated in existing and proposed STPs.
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. No ground water extraction is carried out at MIAL.
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. It is ensured that gray and black water do not get mixed during operation of MLCP building no. 5. Other

S.N.	Conditions	Compliance Status
Specific Conditions:		
		building design 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 followed for remaining developments.
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.	Noted for compliance. The MLCP building no. 5 is constructed for parking of vehicles hence not much of glass used for construction.
XXXIII.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Noted for compliance.
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, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Complied. CFL/TFL is used for illumination at the MLCP building. Also, rooftop solar power of capacity 268 kWp has been installed at MLCP building for renewable energy source. Any used CFL/TFL waste is disposed as e-waste to authorized recyclers. The same will be complied for remaining developments.
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.	Complied. DG set is installed at MLCP for power backup confirming to rule requirements. The same will be complied for remaining developments. Refer Annexure -04 for DG set photographs.
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, ambient noise level is well within the limit, monitoring is carried out by NABL accredited laboratory. The same will be complied for remaining developments. Refer Annexure 02 for monitoring reports.

S.N.	Conditions	Compliance Status
Specific Conditions:		
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.	Complied, The MLCP is constructed for ensuring internalized parking to prevent traffic congestion in public space. The same will be considered during the design phase of remaining developments.
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.	Noted for compliance during construction of remaining buildings. The MLCP was 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 existing building to allow sufficient air and natural light received in the building. The same will be considered during the designing phase of remaining developments.
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	Noted for compliance
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.	Noted
XLII.	Six monthly monitoring reports should be submitted to the Regional Office MoEFCC, Nagpur, with copy to this Department and MPCB.	Noted and will be complied, last report was submitted in 18 th Dec 2020. 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.	Complied: Occupation Certification was obtained from local authorities for MLCP building. State of the art 10, 4 and 1 MLD STP has been installed for treatment of wastewater generated from CSMIA air side and city. The wastewater generated through the new development will be treated in existing and proposed STP. MSW waste is being disposed by MPCB authorized waste handler and wet waste is being treated in OWC. Refer Annexure -02 for occupancy certificate obtained for the MLCP building.
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	Complied: Wet waste collected and treated in Organic Waste Converter (OWC) machine installed at airport premises for treatment of food waste. The

S.N.	Conditions	Compliance Status
<u>Specific Conditions:</u>		
	disposed outside the premises. Local authority should ensure this.	ready compost is utilized in-house for gardening.
XLV.	Local body should ensure that no Occupation Certification is issued prior to operation of STP/ MSW site etc. with due permission of MPCB.	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 developments. 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. The complete set of all the documents have been submitted to Local authority and board office along with compliance reports.
XLVII.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Noted for compliance. 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 break-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.	Complied. Combined separate Capex and Opex budget for Environment protection measures and initiatives are allocated every year for all the facility. Approx. INR 2.32 Cr were spent in – FY 2020-21.
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	Noted for compliance. Last report was submitted on 18 th Dec 2020

S.N.	Conditions	Compliance Status
<u>Specific Conditions:</u>		
	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.	
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
LIII.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB. The critical pollutants namely SPM, RSPM, SO ₂ , NO _x (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.	Noted and complied.
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.	Noted for compliance. Last report was submitted on 18 th Dec 2020. 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 was submitted on 29-09-2021. Displayed on website https://csmia.adaniairports.com/all-reports.aspx . Annexure 06 Form-V.

Annexure -01 FY 20-21 E-Waste return



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 2020-March 2021

Apply As

Bulk Consumer

1. Name of the Bulk Consumer

Mumbai International Airport Limited

Address of the Bulk Consumer /recycler

Chhatrapati Shivaji Maharaj International Airport (CSMIA), Terminal 1, Santacruz (East), Mumbai

2. Name of the authorised person

Dr. Ajay Mehrotra

Full address of authorised person

Chhatrapati Shivaji Maharaj International Airport (CSMIA), Terminal 1, Santacruz (East), Mumbai

Telephone

02266850778

Email

ajay.mehrotra@gvk.com

Fax

3. BULK CONSUMERS:

Type

Printers including cartridges - ITEW 6

Quantity(MT)

0

Telephones - ITEW 12

0

User terminals and systems - ITEW 9

0

Personal Computing: Personal Computers (Central Processing Unit with input and output devices) - ITEW 2

0

Personal Computing: Laptop Computers (Central Processing Unit with input and output devices) - ITEW 3

0

Fluorescent and other Mercury containing lamps - CEEW 5

0

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

Address of the destination where E-waste is channelized

No E-waste disposal carried out

NA

Place

Mumbai

Date

Jun 25, 2021

**Annexure -02 Occupancy certificate of MLCP Building
no. 5.**



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY
मुंबई महानगर प्रदेश विकास प्राधिकरण

No. TCP(P-2)/MIAL/CC/3.14/797/2016

Date: 24 MAY 2016

To,

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/Misc/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 Chhatrapati Shivaji International Airport Notified Area (CSIANA). Pursuant to the policy enunciated in MMRDA's D.O. letter no. TCP (P-2)/BKC/Misc/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' i.e. 2basements + ground + 4upper floors on part of land bearing CTS No. 2085 (pt) at village Vile Parle (E), Mumbai, as per the copy of the completion plans 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 issued by MMRDA to the Architect Mr. Hiten Sethi.

Yours faithfully,

Chief,
T&CP Division, MMRDA

- Encl :** 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, dated 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,
Santacruz (E), Mumbai - 400 099.

Received on 25/05/2016
D. No. 112
C/o. Director-Urban Planning
M.I.A.L., CSI Airport, Mumbai - 400 099

Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051.

EPABX : 2659 0001 - 04 / 2659 4000 • FAX : 2659 1264 • WEB SITE : <https://www.mmrda.maharashtra.gov.in>



MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

मुंबई महानगर प्रदेश विकास प्राधिकरण

No. TCP (P-2)/MIAL/CC/3.14/ 797 /2016

Date: 4 MAY 2016

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 Parle (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 certificate 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;
- 4) That any change in the user in future would require prior approval of MMRDA;
- 5) That if any change in the user mentioned 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 conforming to applicable Development Control Regulations and other Acts are deemed to be not approved;
- 8) Any condition mentioned in any of the NOC from any Concerned Authority shall be complied 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 Acceptance of Building Completion Certificate for the building will be issued by MMRDA.


Additional Metropolitan Commissioner
MMRDA

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, Nerul, Navi Mumbai 400 706.

2) Shri. Charudatta Deshmukh,
Director – Urban Planning, MIAL,
Urban Planning Dept., 2nd Floor, Terminal 1-B,
Chhatrapati Shivaji International Airport,
Santa Cruz (E), Mumbai - 400 099
Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051.



Annexure -03 Monitoring reports.

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 08.07.2021
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/04/66

Issue Date: 03/05/2021

Name of Client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of Site	: Mumbai International Airport				
Nature of sample	: Ambient Air				
Location of sample	: Project Office (Sahar)				
Sample Identification number	: A- 21/04/66				
Sample Quantity & Container	: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml				
Date of sampling	: 22/04/2021				
Start Time of sampling	: 10:00 hrs				
Sampling period	: 24 hrs				
Environmental Condition	: Climate clear				Ambient temp. 33°C
Date of sample receipt	: 24/04/2021				
Date of sample analysis	: 24/04/2021- 29/04/2021				
Monitored & transported by	: AESPL Consultancy Division				
Sampling equipment	: Air Sampler RDS-I-09 & FDS-I-09				
Calibration status	: Calibrated on 01/01/2021 Calibration due on 31/12/2021				
Project/ Job number	: PO 4600005431 Dated 26/05/2020				
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of sampling & preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	15.8	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	25.0	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	65.3	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	24.4	60 *	µg/m ³	IS 5182 (Part 24) 2Q19
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.49	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Above all parameters are not covered under NABL scope.
4. Any query related to this report will be entertained within 15 days of the report issue date only.
5. Decision Rule is applied.
6. The results apply to the sample as received.

**Chetan A Kadam****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 08.07.2021
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/04/67

Issue Date: 03/05/2021

Name of Client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of Site	: Mumbai International Airport				
Nature of sample	: Ambient Air				
Location of sample	: MLCP (Vile Parle)				
Sample Identification number	: A- 21/04/67				
Sample Quantity & Container	: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml				
Date of sampling	: 22/04/2021				
Start Time of sampling	: 10:30 hrs				
Sampling period	: 24 hrs				
Environmental Condition	: Climate clear				Ambient temp. 33°C
Date of sample receipt	: 24/04/2021				
Date of sample analysis	: 24/04/2021- 29/04/2021				
Monitored & transported by	: AESPL Consultancy Division				
Sampling equipment	: Air Sampler RDS-I-10 & FDS-I-10				
Calibration status	: Calibrated on 01/01/2021 Calibration due on 31/12/2021				
Project/ Job number	: PO 4600005431 Dated 26/05/2020				
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of sampling & preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	15.3	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	24.7	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	64.4	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	23.8	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.40	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

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2. Results relate only to the items tested.
3. Above all parameters are not covered under NABL scope.
4. Any query related to this report will be entertained within 15 days of the report issue date only.
5. Decision Rule is applied.
6. The results apply to the sample as received.



Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/05/25

Issue Date: 24/05/2021

Name of Client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of Site	: Mumbai International Airport				
Nature of sample	: Ambient Air				
Location of sample	: Project Office (Sahar)				
Sample Identification number	: A- 21/05/25				
Sample Quantity & Container	: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml				
Date of sampling	: 11/05/2021				
Start Time of sampling	: 09:10 hrs				
Sampling period	: 24 hrs				
Environmental Condition	: Climate clear				Ambient temp. 33°C
Date of sample receipt	: 13/05/2021				
Date of sample analysis	: 14/05/2021- 21/05/2021				
Monitored & transported by	: AESPL Consultancy Division				
Sampling equipment	: Air Sampler RDS-I-09 & FDS-I-09				
Calibration status	: Calibrated on 01/01/2021 Calibration due on 31/12/2021				
Project/ Job number	: PO 4600005431 Dated 26/05/2020				
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of sampling & preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	15.5	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	23.7	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	63.8	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	21.3	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.39	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.
5. The results apply to the sample as received.



Chetan A Kadam
 (Authorized Signatory - Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/05/26

Issue Date: 24/05/2021

Name of Client		: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099			
Name of Site		: Mumbai International Airport			
Nature of sample		: Ambient Air			
Location of sample		: MLCP (Vile Parle)			
Sample Identification number		: A- 21/05/26			
Sample Quantity & Container		: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml			
Date of sampling		: 11/05/2021			
Start Time of sampling		: 09:30 hrs			
Sampling period		: 24 hrs			
Environmental Condition		: Climate clear		: Ambient temp. 33°C	
Date of sample receipt		: 13/05/2021			
Date of sample analysis		: 14/05/2021- 21/05/2021			
Monitored & transported by		: AESPL Consultancy Division			
Sampling equipment		: Air Sampler RDS-I-10 & FDS-I-10			
Calibration status		: Calibrated on 01/01/2021 Calibration due on 31/12/2021			
Project/ Job number		: PO 4600005431 Dated 26/05/2020			
Reference of sampling		: AESPL/LAB/QR/7.3.3/R-02			
Method of sampling & preservation		: AESPL/LAB/SOP/7.3.1/A-01			
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	15.9	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	24.8	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	64.8	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	22.1	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.52	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.
5. The results apply to the sample as received.



Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/06/110

Issue Date: 02/07/2021

Name of Client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of Site	: Mumbai International Airport				
Nature of sample	: Ambient Air				
Location of sample	: Project Office (Sahar)				
Sample Identification number	: A- 21/06/110				
Sample Quantity & Container	: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml				
Date of sampling	: 25/06/2021				
Start Time of sampling	: 09:10 hrs				
Sampling period	: 24 hrs				
Environmental Condition	: Climate clear				Ambient temp. 29°C
Date of sample receipt	: 26/06/2021				
Date of sample analysis	: 26/06/2021- 02/07/2021				
Monitored & transported by	: AESPL Consultancy Division				
Sampling equipment	: Air Sampler RDS-I-09 & FDS-I-09				
Calibration status	: Calibrated on 01/01/2021 Calibration due on 31/12/2021				
Project/ Job number	: 4600005431; Amd 03 dtd 27.04.21				
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of sampling & preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	13.9	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	24.0	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	61.4	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	20.4	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.40	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS)2009.

Note:

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2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.
5. The results apply to the sample as received.



Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 21/06/111

Issue Date: 02/07/2021

Name of Client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of Site	: Mumbai International Airport				
Nature of sample	: Ambient Air				
Location of sample	: MLCP (Vile Parle)				
Sample Identification number	: A- 21/06/111				
Sample Quantity & Container	: SO ₂ :3 Bottle x 30 ml; NO _x :3 Bottle x 30 ml; PM ₁₀ -1; PM _{2.5} -1; O ₃ & NH ₃ :3 Bottle x 30 ml				
Date of sampling	: 25/06/2021				
Start Time of sampling	: 09:30 hrs				
Sampling period	: 24 hrs				
Environmental Condition	: Climate clear				Ambient temp.29°C
Date of sample receipt	: 26/06/2021				
Date of sample analysis	: 26/06/2021- 02/07/2021				
Monitored & transported by	: AESPL Consultancy Division				
Sampling equipment	: Air Sampler RDS-I-10 & FDS-I-10				
Calibration status	: Calibrated on 01/01/2021 Calibration due on 31/12/2021				
Project/ Job number	: PO 4600005431 Dated 26/05/2020				
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02				
Method of sampling & preservation	: AESPL/LAB/SOP/7.3.1/A-01				
Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO ₂	14.0	80 *	µg/m ³	IS 5182 (Part 2) RA2017
2.	NO ₂	23.9	80 *	µg/m ³	IS 5182 (Part 6) RA2017
3.	PM ₁₀	62.9	100 *	µg/m ³	IS 5182 (Part 23) RA2017
4.	PM _{2.5}	21.3	60 *	µg/m ³	IS 5182 (Part 24) 2019
5.	Lead [Pb]	< 0.8	1.0 *	µg/m ³	APHA Air method 822-3 rd Ed
6.	CO	0.42	04 **	mg/m ³	IS 5182 (part 10) RA2019
7.	NH ₃	< 1.0	400 *	µg/m ³	IS 5182 (part 25) RA 2018

[#] Specified under National Ambient Air Quality Standards by CPCB:

[*] 24 hourly monitoring values; [**] 1 hourly monitoring values; [***] annually monitoring values.

Conformity Statement: The monitoring undertaken indicates that Ambient Air Quality Values for monitored parameters are within the levels stipulated under National Ambient Air Quality Standards (NAAQS) 2009.

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only.
4. Decision Rule is applied.
5. The results apply to the sample as received.



Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-



AMBIENT AIR QUALITY MONITORING REPORT

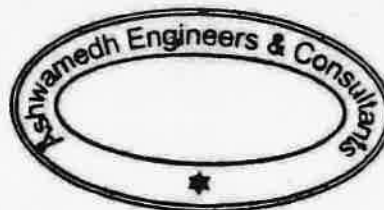
Sample ID: AA/07/21/0536	Report No.: AA/07/21/0536	Report Date	04/08/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Project Office Sahara	Date-Sampling	28/07/2021 to 29/07/2021
Sample Quantity/ Packing	PM ₁₀ , Lead: 1 x 1 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO:1 no. bladder	Date-Receipt of Sample	30/07/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	30/07/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	03/08/2021
Sampling Equipment ID	AEC/TH/RDS-02	Calibration Certificate No.	ECL/AEC/2020- 21/FLOW/3936A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

Meteorological Data / Environmental Conditions

Average Wind velocity 10.3 km/h	Wind Direction E	Relative Humidity (Max./ Min.):83/68%	Temperature (Max./Min.):30/24°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
CHEMICAL TESTING				
Sulphur Dioxide (SO ₂)	30.8	80	µg/m ³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO ₂)	<6.5	80	µg/m ³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	53	100	µg/m ³	IS 5182 (Part 23): 2006, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	11	60	µg/m ³	USEPA CFR 40, Part 50, Appendix L
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	1.28	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average
 # NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.


 Ninad Soundankar
 Technical Manager (Chemical)
 Reviewed & Authorised by



-----End of Report-----

Note:

1. The result listed refers 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, deviation or exclusions from the method.



AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/07/21/0537	Report No.: AA/07/21/0537	Report Date	04/08/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Terminal 1 MLCP (Santacruz)	Date-Sampling	28/07/2021 to 29/07/2021
Sample Quantity/ Packing	PM ₁₀ ,Lead: 1 x 1 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO:1 no. bladder	Date-Receipt of Sample	30/07/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	30/07/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	03/08/2021
Sampling Equipment ID	AEC/TH/RDS-03	Calibration Certificate No.	ECL/AEC/2020- 21/FLOW/3935A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

Meteorological Data / Environmental Conditions

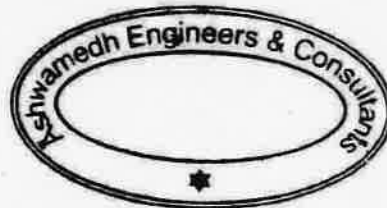
Average Wind velocity 10.2 km/h	Wind Direction S-E	Relative Humidity (Max./ Min.):83/69%	Temperature (Max./Min.):29/23°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
CHEMICAL TESTING				
Sulphur Dioxide (SO ₂)	<4	80	µg/m ³	IS 5182 (Part 2): 2010, RA 2017
Nitrogen Dioxide (NO ₂)	21.5	80	µg/m ³	IS 5182 (Part 6): 2016, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	51	100	µg/m ³	IS 5182 (Part 23): 2016, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	10	60	µg/m ³	USEPA CFR 40, Part 50, Appendix L
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	1.14	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average

NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.



Ninad Soundankar
 Technical Manager (Chemical)
 Reviewed & Authorised by



-----End of Report-----

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AMBIENT AIR QUALITY MONITORING REPORT

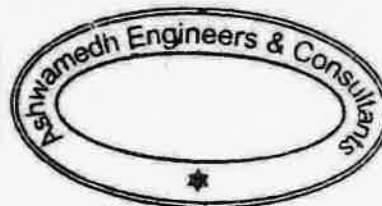
Sample ID: AA/08/21/0327	Report No.: AA/08/21/0327	Report Date	31/08/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Project Office Sahar	Date-Sampling	24/08/2021 to 25/08/2021
Sample Quantity/ Packing	PM ₁₀ ,Lead: 1 x 1 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO:1 no. bladder	Date-Receipt of Sample	26/08/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	26/08/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	30/08/2021
Sampling Equipment ID	AEC/TH/RDS-02	Calibration Certificate No.	ECL/AEC/2020- 21/FLOW/3936A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

Meteorological Data / Environmental Conditions

Average Wind velocity 10.9 km/h	Wind Direction S-E	Relative Humidity (Max./ Min.):72/59%	Temperature (Max./Min.):31/27°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
CHEMICAL TESTING				
Sulphur Dioxide (SO ₂)	<4	80	µg/m ³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO ₂)	<6.5	80	µg/m ³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	43	100	µg/m ³	IS 5182 (Part 23): 2006, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	7	60	µg/m ³	USEPA CFR 40, Part 50, Appendix L
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2, Jun 1999
Carbon Monoxide (CO)	2.16	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average
NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.


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Technical Manager (Chemical)
Reviewed & Authorised by



End of Report

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AMBIENT AIR QUALITY MONITORING REPORT

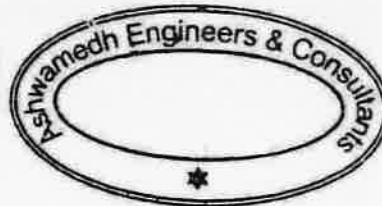
Sample ID: AA/08/21/0328	Report No.: AA/08/21/0328	Report Date	31/08/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air (Group: Atmospheric Pollution Sub Group: Ambient Air Quality)
Sampling Location	Terminal (1) MLCP Santacruz	Date-Sampling	24/08/2021 to 25/08/2021
Sample Quantity/ Packing	PM ₁₀ , Lead: 1 x 1 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO: 1 no. bladder	Date-Receipt of Sample	26/08/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	26/08/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	30/08/2021
Sampling Equipment ID	AEC/TH/RDS-03	Calibration Certificate No.	ECL/AEC/2020- 21/FLOW/3935A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

Meteorological Data / Environmental Conditions

Average Wind velocity 11.2 km/h	Wind Direction S-E	Relative Humidity (Max./ Min.): 71/57%	Temperature (Max./Min.): 31/26°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
CHEMICAL TESTING				
Sulphur Dioxide (SO ₂)	<4	80	µg/m ³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO ₂)	<6.5	80	µg/m ³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	39	100	µg/m ³	IS 5182 (Part 23): 2006, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	11	60	µg/m ³	USEPA CFR 40, Part 50, Appendix I
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-31 & 3.2, Jun 1999
Carbon Monoxide (CO)	1.83	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average
NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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AMBIENT AIR QUALITY MONITORING REPORT

Sample ID: AA/09/21/0550	Report No.: AA/09/21/0550	Report Date	05/10/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air
Sampling Location	Project Office Sahar	Date-Sampling	27/09/2021 to 28/09/2021
Sample Quantity/ Packing	PM ₁₀ ,Lead: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO:1 no. bladder	Date-Receipt of Sample	29/09/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	29/09/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	04/10/2021
Sampling Equipment ID	AEC/TH/RDS-02	Calibration Certificate No.	ECL/AEC/2020-21/FLOW/3936A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

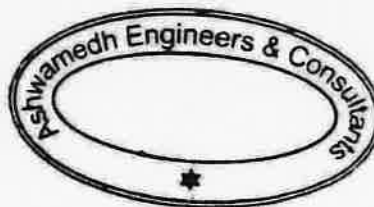
Meteorological Data / Environmental Conditions

Average Wind velocity 9.7 km/h	Wind Direction S-E	Relative Humidity (Max./ Min.):79/67%	Temperature (Max./Min.):29/26°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
Chemical Testing; Group: Atmospheric Pollution; Subgroup: Ambient Air Quality, Meteorological Parameters				
Sulphur Dioxide (SO ₂)	5.06	80	µg/m ³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO ₂)	10.7	80	µg/m ³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	33	100	µg/m ³	IS 5182 (Part 23): 2006, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	6	60	µg/m ³	USEPA CFR 40, Part 50, Appendix L
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-31 & 3.2, Jun 1999
Carbon Monoxide (CO)	1.81	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average
NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.



Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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AMBIENT AIR QUALITY MONITORING REPORT

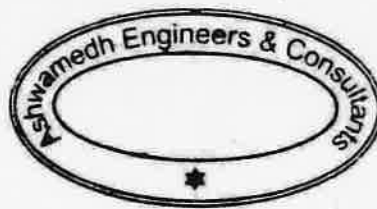
Sample ID: AA/09/21/0551	Report No.: AA/09/21/0551	Report Date	05/10/2021
Name & Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1 st Floor, Terminal 1B, Santacruz (E), Mumbai-400099, Maharashtra.		
Sample Collected by	Laboratory	Sample Description/ Type	Ambient Air
Sampling Location	MLCP Santacruz (T1)	Date-Sampling	27/09/2021 to 28/09/2021
Sample Quantity/ Packing	PM ₁₀ , Lead: 1 x 3 no. filter paper PM _{2.5} : 1 x 1 no. filter paper SO ₂ , NO ₂ : 30 ml x 6 no. plastic bottle each NH ₃ : 10 ml x 24 no. plastic bottle CO: 1 no. bladder	Date-Receipt of Sample	29/09/2021
Sampling Procedure	As per method reference	Date-Start of Analysis	29/09/2021
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date-Completion of Analysis	04/10/2021
Sampling Equipment ID	AEC/TH/RDS-03	Calibration Certificate No.	ECL/AEC/2020- 21/FLOW/3935A
Consent Number & Date: Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated 29.11.2018			

Meteorological Data / Environmental Conditions

Average Wind velocity 9.9 km/h	Wind Direction S-E	Relative Humidity (Max./ Min.): 74/62%	Temperature (Max./Min.): 30/28°C	Duration of Survey 24 h
Parameter	Results	NAAQS # 2009	Unit	Method
Chemical Testing; Group: Atmospheric Pollution; Subgroup: Ambient Air Quality, Meteorological Parameters				
Sulphur Dioxide (SO ₂)	4.88	80	µg/m ³	IS 5182 (Part 2): 2001, RA 2017
Nitrogen Dioxide (NO ₂)	10.7	80	µg/m ³	IS 5182 (Part 6): 2006, RA 2017
Particulate Matter (size less than 10 µm) or PM ₁₀	48	100	µg/m ³	IS 5182 (Part 23): 2006, RA 2017
Particulate Matter (size less than 2.5µm) or PM _{2.5}	10	60	µg/m ³	USEPA CFR 40, Part 50, Appendix L
Lead (Pb)	<0.02	1	µg/m ³	EPA/625/R-96/010 a Compendium Method 10-31 & 3.2, Jun 1999
Carbon Monoxide (CO)	1.89	4	mg/m ³	CPCB Guidelines, 37/2012-13, Page no.16
Ammonia (NH ₃)	<4	400	µg/m ³	AEC/C/SAP/AA-7

TWA Time Weighted Average
NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM₁₀, PM_{2.5}, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide.


Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
Recognized by MoEFCC as "Environmental Laboratory" valid up to 08.07.2021
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-21/04/58-59

Report Date: 03/05/2021

Name of the client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099					
Name of site	:	Mumbai International Airport					
Location	:	Air side					
Monitoring date	:	21/04/2021					
Environmental condition	:	Climate clear		Ambient temp. 33°C			
Monitored & transported by	:	AESPL Consultancy Division					
Project/ Job number	:	PO 4600005431 Dated 26/05/2020					
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02					
Method of sampling	:	IS 9989: RA 2014					
Instrument used	:	Noise meter - Centre C-390 SI:190111462 Noise meter - Centre C-390 SI:190111464					
Calibration status	:	Calibration details: 25/12/2021 to 24/12/2021					
Location		Day Time (Leq)			Night Time (Leq)		
		Max	Min	Avg	Max	Min	Avg
Project Office (Andheri Sahar)		78.3	53.7	61.0	74.4	50.8	57.2
OWC (Kurla)		86.6	55.1	68.6	81.9	52.0	64.7
Limiting Standards as per EPA Schedule II		75 dB(A)			70 dB(A)		

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2. Results relate only to the items tested
3. Above parameter is presently not covered under NABL scope
4. The results apply to the sample as received.



Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-21/05/50-57

Report Date: 24/05/2021

Name of the client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099				
Name of site	:	Mumbai International Airport				
Location	:	Air side				
Monitoring date	:	11,12,17&18/05/2021				
Environmental condition	:	Climate clear	Ambient temp. 33°C			
Monitored by	:	AESPL Consultancy Division				
Project/ Job number	:	PO 4600005431; Amd 03 dtd 27.04.21				
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02				
Method of sampling	:	IS 9989: RA 2014				
Instrument used	:	Noise meter - Centre C-390 SI:190111462 Noise meter - Centre C-390 SI:190111464				
Calibration status	:	Calibration details: 25/12/2021 to 24/12/2021				
Location	Day Time (Leq)			Night Time (Leq)		
	Max	Min	Avg	Max	Min	Avg
Air side Cargo gate 4D	82.2	52.3	65.5	74.6	49.0	60.3
Air side CMD Civil store	91.9	46.1	59.3	75.7	46.9	55.5
Air side Gate No-6 T-2	82.8	62.0	71.1	75.2	57.3	69.5
Air side Runway west 27	97.6	46.2	64.5	94.5	49.2	63.3
Air side STP T-1	87.6	49.7	73.0	79.6	53.5	63.9
Air side Runway 14 end	87.9	52.7	69.1	97.4	52.1	66.1
Air side CCR 2	80.8	45.3	54.4	71.2	42.0	48.2
Air side Lima 8 Apron	92.1	49.4	70.1	93.6	54.7	63.2
Limiting Standards as per EPA Schedule II	75 dB(A)			70 dB(A)		

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Chetan A Kadam
(Authorized Signatory - Pollution & Environment)

-End of Test Report-



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Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-21/05/58-61

Report Date: 24/05/2021

Name of the client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099					
Name of site	: Mumbai International Airport					
Location	: Air side					
Monitoring date	: 10-11/05/2021					
Environmental condition	: Climate clear			: Ambient temp. 33°C		
Monitored by	: AESPL Consultancy Division					
Project/ Job number	: PO 4600005431; Amd 03 dtd 27.04.21					
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02					
Method of sampling	: IS 9989: RA 2014					
Instrument used	: Noise meter - Centre C-390 SI:190111462 Noise meter - Centre C-390 SI:190111464					
Calibration status	: Calibration details: 25/12/2021 to 24/12/2021					
Location	Day Time (Leq)			Night Time (Leq)		
	Max	Min	Avg	Max	Min	Avg
Project Office (Andheri Sahar)	81.7	51.3	58.3	68.3	50.7	54.9
OWC (Kurla)	83.8	56.3	62.5	85.5	51.9	58.8
Sarvoday Hospital, Ghatkoper	81.3	45.8	55.1	71.6	42.6	47.9
Land side-MLCP (Santacruz)	83.1	62.9	72.3	78.5	57.5	70.0
Limiting Standards as per EPA Schedule II	75 dB(A)			70 dB(A)		

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(Authorized Signatory - Pollution & Environment)

-End of Test Report-



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 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-21/06/103-110

Report Date: 02/07/2021

Name of the client	: Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai – 400099					
Name of site	: Mumbai International Airport					
Location	: Air side					
Monitoring date	: 21,22,23&24/06/2021					
Environmental condition	: Climate clear			: Ambient temp. 29°C		
Monitored by	: AESPL Consultancy Division					
Project/ Job number	: PO 4600005431; Amd 03 dtd 27.04.21					
Reference of sampling	: AESPL/LAB/QR/7.3.3/R-02					
Method of sampling	: IS 9989: RA 2014					
Instrument used	: Noise meter - Centre C-390 SI:190111462 Noise meter - Centre C-390 SI:190111464					
Calibration status	: Calibration details: 25/12/2021 to 24/12/2021					
Location	Day Time (Leq)			Night Time (Leq)		
	Max	Min	Avg	Max	Min	Avg
Air side Cargo gate 4D	89.5	54.0	73.8	88.9	64.7	74.7
Air side CMD Civil store	88.6	49.9	62.3	71.8	43.8	57.2
Air side Gate No-6 T-2	89.5	59.1	66.3	84.3	56.3	63.7
Air side Runway west 27	90.5	48.8	63.6	78.2	51.5	58.5
Air side STP T-1	92.7	46.9	60.0	89.8	43.8	54.9
Air side Runway 14 end	78.8	53.5	59.3	73.6	45.9	52.2
Air side CCR 2	93.9	57.9	64.6	94.5	62.8	63.9
Air side Lima 8 Apron	81.1	51.8	63.6	79.2	51.8	61.9
Limiting Standards as per EPA Schedule II	75 dB(A)			70 dB(A)		

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4. Decision Rule is applied.



Chetan A Kadam
(Authorized Signatory – Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-21/06/111-112

Report Date: 02/07/2021

Name of the client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099					
Name of site	:	Mumbai International Airport					
Location	:	Air side					
Monitoring date	:	24/06/2021					
Environmental condition	:	Climate clear	Ambient temp. 29°C				
Monitored by	:	AESPL Consultancy Division					
Project/ Job number	:	PO 4600005431; Amd 03 dtd 27.04.21					
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02					
Method of sampling	:	IS 9989: RA 2014					
Instrument used	:	Noise meter - Centre C-390 SI:190111462 Noise meter - Centre C-390 SI:190111464					
Calibration status	:	Calibration details: 25/12/2021 to 24/12/2021					
Location		Day Time (Leq)			Night Time (Leq)		
		Max	Min	Avg	Max	Min	Avg
Project Office (Andheri Sahar)		83.5	61.6	70.0	77.5	63.0	68.8
OWC (Kurla)		85.8	55.1	62.3	80.7	55.4	59.0
Limiting Standards as per EPA Schedule II		75 dB(A)			70 dB(A)		

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(Authorized Signatory - Pollution & Environment)

-End of Test Report-



TC-5509

NOISE LEVEL MEASUREMENT REPORT

Sample ID: (1) N/07/21/0563 (2) N/07/21/0564 (3) N/07/21/0565 (4) N/07/21/0566 (5) N/07/21/0567 (6) N/07/21/0568 (7) N/07/21/0569 (8) N/07/21/0570 (9) N/07/21/0571 (10) N/07/21/0572	Report No.: (1) N/07/21/0563 (2) N/07/21/0564 (3) N/07/21/0565 (4) N/07/21/0566 (5) N/07/21/0567 (6) N/07/21/0568 (7) N/07/21/0569 (8) N/07/21/0570 (9) N/07/21/0571 (10) N/07/21/0572	Report Date	03/08/2021
Name and Address of Customer		Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz (E), Mumbai-400099 Maharashtra	
Monitoring Done By	Laboratory	Sample Description/Type	Ambient Noise: (Group: Atmospheric Pollution)
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date of Monitoring	28/07/2021 to 29/07/2021
Calibration Certificate	YEA(C)/ 201128A/A1129/001	Instrument Model	SLM 1699
Consent Number & Date.	Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5th CAC- 1811001379 Dated.29.11.2018	Instrument ID	2016083735

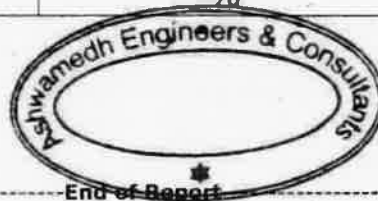
Sr No	Location	Day Time (6 a.m. to 10 p.m.) dB (A)			Night Time (10 p.m. to 6 a.m.) dB (A)			Method
		Leq	Lmin	Lmax	Leq	Lmin	Lmax	
1.	Runway 27 End	68.0	65.2	71.1	67.1	65.7	68.3	CPCB Protocol for Ambient Level Noise Monitoring, July 2015 AEC/C/SAP/SMA/35 & 36
2.	STP Terminal 1	65.8	64.2	66.8	66.5	65.7	67.8	
3.	CCR-2	66.3	61.4	68.3	65.7	63.3	67.5	
4.	Adani Airport Noise (Apron Control)	68.5	64.5	71.3	64.8	62.1	66.6	
5.	6 No Gate (Sahar)	72.1	63.7	74.8	72.3	70.1	73.9	
6.	Lima 88	68.7	66.6	70.1	69.6	67.1	71.2	
7.	Runway 14 End	68.8	63.3	71.9	61.5	59.7	64.5	
8.	Project Office (Sahar)	65.9	60.9	68.3	63.9	60.3	67.1	
9.	Cargo 4D	70.2	64.4	73.4	69.8	66.6	72.0	
10.	OWC Kurla	67.9	63.3	71.2	65.0	62.6	66.7	

Limit

As per the Environment (Protection) Rules, 1986, Schedule-I

Serial Number	Industry	Limits in dB (A) Leq	
		Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
112	Airport (Busy Airports)	70	65


 Ninad Soundankar
 Technical Manager (Chemical)
 Reviewed & Authorised by



End of Report

Note:

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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, deviation or exclusions from the method.



NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/08/21/0349	Report No.: N/08/21/0349	Report Date	31/08/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz (E), Mumbai-400099 Maharashtra		
Monitoring Done By	Laboratory	Sample Description/Type	Ambient Noise: (Group: Atmospheric Pollution)
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date of Monitoring	24/08/2021 to 25/08/2021
Calibration Certificate	YEA(C)/ 201128A/A1129/002	Instrument Model	SLM 1699
Consent Number & Date.	Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5th CAC- 1811001379 Dated.29.11.2018	Instrument ID	2016083651

Sr No	Location	Day Time (6AM-10PM) dB (A)			Night Time (10PM -6AM) dB (A)			Method
		Leq	Lmin	Lmax	Leq	Lmin	Lmax	
1	Runway 27 End	67.0	64.3	68.7	64.1	63.5	65.5	CPCB Protocol for Ambient Level Noise Monitoring, July 2015 AEC/C/SAP/SAM/35 & 36
2	STP Terminal 1	65.7	63.7	67.0	64.8	63.5	67.7	
3	CCR-2	66.3	61.19	68.14	64.4	62.7	66.3	
4	Adani Airport Noise (Apron Control)	67.4	64.6	69.6	64.2	61.8	66.2	
5	6 No Gate (Sahar)	69.0	62.7	73.1	63.4	60.9	65.0	
6	Lima 8	67.4	66.2	68.6	64.8	63.1	66.3	
7	Runway 14 End	67.6	64.1	69.6	61.3	59.7	63.4	
8	Project Office (Sahar)	64.9	60.9	68.0	62.9	60.0	65.6	
9	Cargo 4D	68.1	64.7	69.4	64.5	62.5	66.1	
10	OWC Kurla	66.4	61.1	69.3	64.0	62.5	64.8	

Limit

As Per the Environment (Protection) Rules, 1986, Schedule -I

Serial Number	Industry	Limits in dB (A) weighted scale	
		Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
112	Airport (Busy Airport)	70	65

Ninad Soundankar
Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



End of Report

Note:

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NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/09/21/0556	Report No: N/09/21/0556	Report Date	01/10/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz (E), Mumbai-400099 Maharashtra		
Monitoring Done By	Laboratory	Sample Description/Type	Ambient Noise: (Group: Atmospheric Pollution)
Order Reference	W.O. No. 4600005756 dated 08.07.2021	Date of Monitoring	27/09/2021 to 28/09/2021
Calibration Certificate	YEA(C)/ 201128A/A1129/002	Instrument Model	SLM 1699
Consent Number & Date.	Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5th CAC- 1811001379 Dated.29.11.2018	Instrument ID	2016083651

Sr No	Location	Day Time (6AM-10PM) dB (A)			Night Time (10PM -6AM) dB (A)			Method
		Leq	Lmin	Lmax	Leq	Lmin	Lmax	
1	Runway 27 End	66.6	62.8	69.7	64.3	63.7	65.1	CPCB Protocol for Ambient Level Noise Monitoring, July 2015 AEC/C/SAP/SAM/35 6 36
2	STP Terminal 1	65.8	63.9	68.7	64.7	63.1	66.3	
3	CCR-2	66.4	62.4	68.4	64.3	61.5	66.5	
4	Adani Airport Noise (Apron Control)	67.4	64.3	69.8	64.0	62.5	65.4	
5	6 No Gate (Sahar)	68.5	63.5	70.0	63.3	60.3	65.2	
6	Lima 8	67.6	65.0	69.4	64.9	63.1	66.4	
7	Runway 14 End	67.7	65.0	70.0	62.2	60.4	63.2	
8	Project Office (Sahar)	65.5	61.4	68.7	63.6	62.1	65.0	
9	Cargo 4D	67.4	65.0	69.4	64.3	63.2	66.1	
10	OWC Kurla	65.8	61.2	68.7	64.5	63.2	65.1	

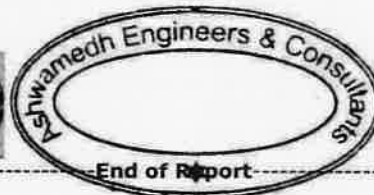
Limit

As Per the Environment (Protection) Rules, 1986, Schedule -I

Serial Number	Industry	Limits in dB (A) weighted scale	
		Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
112	Airport (Busy Airport)	70	65

Bhewale

Kavita Shewale
Section In-charge (Chemical)
Reviewed & Authorised by



Note:

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



**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091

**Sewage Water Quality Test Report****Ref. No.:** AESPL/LAB/W-21/05/84**Issue Date:** 26/05/2021

Name of Client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E) Mumbai - 400099		
Name of site	:	Mumbai International Airport		
Nature of sample	:	Sewage Water		
Location of sample	:	STP Outlet -Terminal 1-RO Outlet		
Sample identification number	:	W- 21/05/84		
Sample Quantity & Container	:	F -1 l; PE		
Environmental Condition	:	Area: Clean Water Temp.: 27°C Amb. Temp: 31°C		
Date of sample drawn	:	19/05/2021		
Date of sample receipt	:	20/05/2021		
Date of sample analysis	:	20/05/2021 - 25/05/2021		
Sample drawn by	:	AESPL Consultancy Division		
Sample transported by	:	AESPL Consultancy Division		
Project/ Job number	:	PO 4600005431 Dated 26/05/2020		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/W-01		
Sr. No.	Parameter	Result	Consent & GSR1265(E) limits	Method of analysis
1.	pH@25°C	7.06	6.5 to 9.0	APHA-2017(4500H+-B)
2.	SS, mg/l	14	< 50	APHA-2017(2540-D)
3.	COD, mg/l	20	< 100	APHA-2017(5220-B)
4.	BOD, mg/l	6.8	< 30	IS-3025 (Part 44) RA2019
5.	Residual Chlorine, mg/l	0.66	< 1.0	APHA-2017(4500Cl-B)
6.	Oil & Grease, mg/l	< 2.0	--	IS-3025 (Part 39) RA2019

BOD-@ 27°C for 3 days**Conformity Statement:** Water sample is within permissible limits prescribed by MPCBw.r.t. above mentioned tests.**Note:**

1. The test report shall not be reproduced except in full, without written approval of laboratory.
2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.
5. Decision Rule is applied.

**Reshma S. Patil****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
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Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/M-21/05/101

Issue Date: 24/05/2021

Name of client	:	Mumbai International Airport Ltd. Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099		
Name of site	:	Santacruz (E)		
Nature of sample	:	STP		
Location of sample	:	STP Terminal T-1 RO Outlet		
Sample identification number	:	M-21/05/101		
Sample Quantity & Container	:	100 ml; PG		
Environmental Condition	:	Water is turbid	Ambient temperature: 32°C	
Date of sample collection	:	19/05/2021		
Date of sample receipt	:	20/05/2021		
Date of sample analysis	:	20/05/2021 - 21/05/2021		
Sample drawn by	:	AESPL Consultancy Division		
Sample transported by	:	AESPL Consultancy Division		
Project/ Job number	:	4600005431; Amd 03 dtd 27.04.21		
Reference of sampling	:	AESPL/LAB/F/G-31		
Method of sampling & preservation	:	AESPL/LAB/SOP/M-01		
Sr. No.	Parameter	Result	Limit for treated Sewage	Method of analysis
1	Fecal Coliforms MPN/100ml	>1600	<1000	APHA- 23 rd edition 2017 (9221E-2)

Remark: Water sample is not within limit as per G.S.R.1265(E)w.r.t. above mentioned test.

Note:

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2. Results relate only to the items tested
3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory -Microbiology)

--End of Test Report--

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
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 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/W-21/05/83

Issue Date: 26/05/2021

Name of Client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E) Mumbai - 400099	
Name of site	:	Mumbai International Airport	
Nature of sample	:	Sewage Water	
Location of sample	:	STP Inlet -Terminal 1	
Sample identification number	:	W- 21/05/83	
Sample Quantity & Container	:	F -1 l; PE	
Environmental Condition	:	Area: Clean Water Temp.: 27°C Amb. Temp: 31°C	
Date of sample drawn	:	19/05/2021	
Date of sample receipt	:	20/05/2021	
Date of sample analysis	:	20/05/2021 - 25/05/2021	
Sample drawn by	:	AESPL Consultancy Division	
Sample transported by	:	AESPL Consultancy Division	
Project/ Job number	:	PO 4600005431 Dated 26/05/2020	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02	
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/W-01	
Sr. No.	Parameter	Result	Method of analysis
1.	pH@25°C	6.88	APHA-2017(4500H+-B)
2.	SS, mg/l	54	APHA-2017(2540-D)
3.	COD, mg/l	150	APHA-2017(5220-B)
4.	BOD, mg/l	65	IS-3025 (Part 44) RA2019
5.	Residual Chlorine, mg/l	0.66	APHA-2017(4500Cl-B)
6.	Oil & Grease, mg/l	< 2.0	IS-3025 (Part 39) RA2019

BOD-@ 27°C for 3 days

Note:

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2. Results relate only to the items tested.
3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.



Reshma S. Patil

(Authorized Signatory - Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
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Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/M-21/05/100

Issue Date: 24/05/2021

Name of client	:	Mumbai International Airport Ltd. Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099	
Name of site	:	Santacruz (E)	
Nature of sample	:	STP	
Location of sample	:	STP Terminal 1 -Inlet	
Sample identification number	:	M-21/05/100	
Sample Quantity & Container	:	100 ml; PG	
Environmental Condition	:	Water is turbid	Ambient temperature: 32°C
Date of sample collection	:	19/05/2021	
Date of sample receipt	:	20/05/2021	
Date of sample analysis	:	20/05/2021 - 21/05/2021	
Sample drawn by	:	AESPL Consultancy Division	
Sample transported by	:	AESPL Consultancy Division	
Project/ Job number	:	4600005431; Amd 03 dtd 27.04.21	
Reference of sampling	:	AESPL/LAB/F/G-31	
Method of sampling & preservation	:	AESPL/LAB/SOP/M-01	
Sr. No.	Parameter	Result	Method of analysis
1	Fecal Coliforms MPN/100ml	>1600	APHA- 23 rd edition 2017 (9221E-2)

Note:

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3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory -Microbiology)

--End of Test Report--

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/W-21/06/201

Issue Date: 04/07/2021

Name of Client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E) Mumbai - 400099		
Name of site	:	Mumbai International Airport		
Nature of sample	:	Sewage Water		
Location of sample	:	STP Outlet -Terminal 1-RO Outlet		
Sample identification number	:	W- 21/06/201		
Sample Quantity & Container	:	F -1 l; PE		
Environmental Condition	:	Area: Clean Water Temp.: 27°C Amb. Temp: 31°C		
Date of sample drawn	:	23/06/2021		
Date of sample receipt	:	26/06/2021		
Date of sample analysis	:	26/06/2021 - 02/07/2021		
Sample drawn by	:	AESPL Consultancy Division		
Sample transported by	:	AESPL Consultancy Division		
Project/ Job number	:	PO 4600005431 Amd 03 Dated 27.04.2021		
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02		
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/W-01		
Sr. No.	Parameter	Result	Consent & GSR1265(E) limits	Method of analysis
1.	pH@25°C	6.89	6.5 to 9.0	APHA-2017(4500H+-B)
2.	SS, mg/l	12	< 50	APHA-2017(2540-D)
3.	COD, mg/l	20	< 100	APHA-2017(5220-B)
4.	BOD-@ 27°C for 3 days, mg/l	6.0	< 30	IS-3025 (Part 44) RA2019
5.	Residual Chlorine, mg/l	0.62	< 1.0	APHA-2017(4500Cl-B)
6.	Oil & Grease, mg/l	< 2.0	--	IS-3025 (Part 39) RA2019

Conformity Statement: Water sample is within permissible limits prescribed by MPCBw.r.t. above mentioned tests.

Note:

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3. Any query related to this report will be entertained within 15 days of the report issue date only and the sample will also be retained for the same period.
4. The results apply to the sample as received.
5. Decision Rule is applied.



Reshma S. Patil

(Authorized Signatory - Pollution & Environment)

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
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Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/M-21/06/191

Issue Date: 30/06/2021

Name of client	:	Mumbai International Airport Ltd. Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099		
Name of site	:	Santacruz (E)		
Nature of sample	:	STP		
Location of sample	:	STP Terminal T-1 RO Outlet		
Sample identification number	:	M-21/05/101		
Sample Quantity & Container	:	100 ml; PG		
Environmental Condition	:	Water is turbid	Ambient temperature: 29°C	
Date of sample collection	:	26/06/2021		
Date of sample receipt	:	26/06/2021		
Date of sample analysis	:	27/06/2021 – 28/06/2021		
Sample drawn by	:	AESPL Consultancy Division		
Sample transported by	:	AESPL Consultancy Division		
Project/ Job number	:	4600005431; Amd 03 dtd 27.04.21		
Reference of sampling	:	AESPL/LAB/F/G-31		
Method of sampling & preservation	:	AESPL/LAB/SOP/M-01		
Sr. No.	Parameter	Result	Limit for treated Sewage	Method of analysis
1	Fecal Coliforms MPN/100ml	>1600	<1000	APHA- 23 rd edition 2017 (9221E-2)

Conformity Statement: Water sample is not within limit as per G.S.R.1265(E) w.r.t. above mentioned test.

Note:

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2. Results relate only to the items tested
3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory –Microbiology)

--End of Test Report--

**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by **ISO 9001:2015&OHSAS 18001:2007**
 Recognized by MoEFCC as "Environmental Laboratory" valid up to 24.04.2024
 Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
 Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/W-21/06/200

Issue Date: 04/07/2021

Name of Client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E) Mumbai - 400099	
Name of site	:	Mumbai International Airport	
Nature of sample	:	Sewage Water	
Location of sample	:	STP Inlet -Terminal 1	
Sample identification number	:	W- 21/06/200	
Sample Quantity & Container	:	F -1 l; PE	
Environmental Condition	:	Area: Clean Water Temp.: 27°C Amb. Temp: 31°C	
Date of sample drawn	:	23/06/2021	
Date of sample receipt	:	26/06/2021	
Date of sample analysis	:	26/06/2021 - 02/07/2021	
Sample drawn by	:	AESPL Consultancy Division	
Sample transported by	:	AESPL Consultancy Division	
Project/ Job number	:	PO 4600005431 Amd 03 Dated 27.04.2021	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02	
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/W-01	
Sr. No.	Parameter	Result	Method of analysis
1.	pH@25°C	6.80	APHA-2017(4500H+-B)
2.	SS, mg/l	62	APHA-2017(2540-D)
3.	COD, mg/l	180	APHA-2017(5220-B)
4.	BOD-@ 27°C for 3 days, mg/l	90	IS-3025 (Part 44) RA2019
5.	Residual Chlorine, mg/l	0.68	APHA-2017(4500Cl-B)
6.	Oil & Grease, mg/l	< 2.0	IS-3025 (Part 39) RA2019

Note:

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4. The results apply to the sample as received.

**Reshma S. Patil****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-



ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
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Tel: 02192 252008, CIN: U74999MH2001PTC132091



TC-7085

Sewage Water Quality Test Report

Ref. No.: AESPL/LAB/M-21/06/190

Issue Date: 30/06/2021

Name of client	:	Mumbai International Airport Ltd. Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099	
Name of site	:	Santacruz (E)	
Nature of sample	:	STP	
Location of sample	:	STP Terminal 1 -Inlet	
Sample identification number	:	M-21/06/190	
Sample Quantity & Container	:	100 ml; PG	
Environmental Condition	:	Water is turbid Ambient temperature: 29°C	
Date of sample collection	:	26/06/2021	
Date of sample receipt	:	26/06/2021	
Date of sample analysis	:	27/06/2021 - 28/06/2021	
Sample drawn by	:	AESPL Consultancy Division	
Sample transported by	:	AESPL Consultancy Division	
Project/ Job number	:	4600005431; Amd 03 dtd 27.04.21	
Reference of sampling	:	AESPL/LAB/F/G-31	
Method of sampling & preservation	:	AESPL/LAB/SOP/M-01	
Sr. No.	Parameter	Result	Method of analysis
1	Fecal Coliforms MPN/100ml	>1600	APHA- 23 rd edition 2017 (9221E-2)

Note:

1. The test report shall not be reproduced except in full, without written approval of laboratory
2. Results relate only to the items tested
3. The results apply to the sample as received.



Pranali N. Patil
(Authorized Signatory -Microbiology)

--End of Test Report--



TC-5509



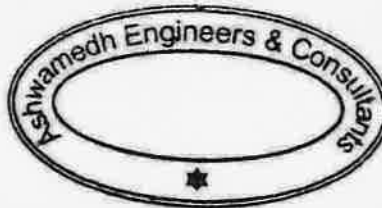
TEST REPORT

Sample ID: E/07/21/0333	Report No.: E/07/21/0333	Report Date	03/08/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sample Collected by	Customer	Sample Description / Type	Treated Sewage Effluent (Group: Pollution and Environment)
Sampling Location	Terminal 1 STP RO Outlet	Date - Receipt of Sample	30/07/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	30/07/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	02/08/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Limits as per MPCB Consent	Unit	Method
CHEMICAL TESTING					
1.	pH	7.67	Not Specified	-	IS 3025 (Part 1):1983, RA 2017
2.	Total Suspended Solids	8	50	mg/L	IS 3025 (Part 17): 1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	2	30	mg/L	IS 3025 (Part 44): 1993, RA 2014
4.	Chemical Oxygen Demand	10	100	mg/L	APHA, 23 rd Ed., 2017, 5220-B, 5-18
5.	Oil & Grease	<1	Not Specified	mg/L	APHA, 23 rd Ed., 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as CL ₂)	0.12	1	mg/L (ppm)	APHA, 23 rd Ed., 2017, 4500-CI-B, 4-63



Ninad Soundankar
 Technical Manager (Chemical)
 Reviewed & Authorised by



-----End of Report-----

Note:

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





TC-5509

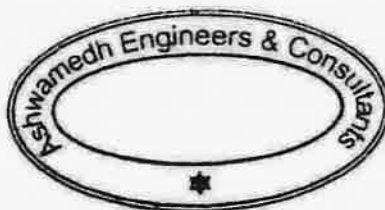
TEST REPORT

Sample ID: E/07/21/0332	Report No.: E/07/21/0332	Report Date	03/08/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sample Collected by	Customer	Sample Description / Type	Untreated Sewage Effluent (Group: Pollution and Environment)
Sampling Location	Terminal 1 STP Inlet	Date - Receipt of Sample	30/07/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	30/07/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	02/08/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Unit	Method
CHEMICAL TESTING				
1.	pH	6.84	-	IS 3025 (Part II):1983, RA 2017
2.	Total Suspended Solids	56	mg/L	IS 3025 (Part I7): 1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	58	mg/L	IS 3025 (Part 44): 1993, RA 2014
4.	Chemical Oxygen Demand	210	mg/L	APHA, 23 rd Ed., 2017, 5220-B, 5-18
5.	Oil & Grease	<1	mg/L	APHA, 23 rd Ed., 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as CL2)	<0.05	mg/L (ppm)	APHA, 23 rd Ed., 2017, 4500-Cl-B, 4-63



Ninad Soundankar
 Technical Manager (Chemical)
 Reviewed & Authorised by



-----End of Report-----

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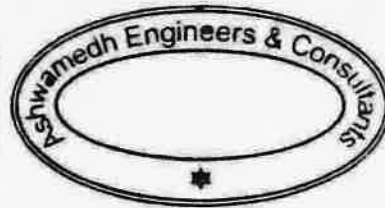
TEST REPORT

Sample ID: E/08/21/0299	Report No.: E/08/21/0299	Report Date	31/08/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sample Collected by	Customer	Sample Description / Type	Treated Sewage Effluent (Group: Pollution and Environment)
Sampling Location	Terminal 1 STP RO Outlet	Date - Receipt of Sample	26/08/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	26/08/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	30/08/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Limits as per MPCB Consent	Unit	Method
CHEMICAL TESTING					
1.	pH	7.47	Not Specified	-	IS 3025 (Part 17):1983, RA 2017
2.	Total Suspended Solids	6	50	mg/L	IS 3025 (Part 17): 1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	2	30	mg/L	IS 3025 (Part 44): 1993, RA 2014
4.	Chemical Oxygen Demand	10	100	mg/L	APHA, 23 rd Ed., 2017, 5220-B, 5-18
5.	Oil & Grease	<1	Not Specified	mg/L	APHA, 23 rd Ed., 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as Cl ₂)	<0.05	1	mg/L (ppm)	APHA, 23 rd Ed., 2017, 4500-Cl-B, 4-63



Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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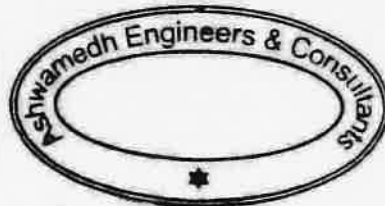
TEST REPORT

Sample ID: E/08/21/0298	Report No.: E/08/21/0298	Report Date	31/08/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sample Collected by	Customer	Sample Description / Type	Untreated Sewage Effluent (Group: Pollution and Environment)
Sampling Location	Terminal 1 STP Inlet	Date - Receipt of Sample	26/08/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	26/08/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	30/08/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Unit	Method
CHEMICAL TESTING				
1.	pH	7	-	IS 3025 (Part 1):1983, RA 2017
2.	Total Suspended Solids	42	mg/L	IS 3025 (Part 17): 1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	30	mg/L	IS 3025 (Part 44): 1993, RA 2014
4.	Chemical Oxygen Demand	110	mg/L	APHA, 23 rd Ed. 2017, 5220-B, 5-18
5.	Oil & Grease	<1	mg/L	APHA, 23 rd Ed. 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as Cl ₂)	<0.05	mg/L (ppm)	APHA, 23 rd Ed. 2017, 4500-GI-B, 4-63



Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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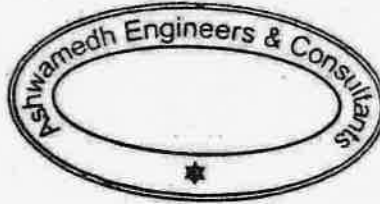


TEST REPORT

Sample ID: E/09/21/0307	Report No.: E/09/21/0307	Report Date	08/10/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sampling done by	Customer	Sample Description / Type	Treated Sewage Effluent
Sampling Location	Terminal 1 STP RO Outlet	Date - Receipt of Sample	29/09/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	29/09/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	07/10/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Limits as per MPCB Consent	Unit	Method
Chemical Testing; Group: Pollution & Environment, Subgroup: Waste Water (Sewage)					
1.	pH	6.93	Not Specified	-	IS 3025 (Part II):1983, RA 2017
2.	Total Suspended Solids	10	50	mg/L	IS 3025 (Part 17): 1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	21	30	mg/L	IS 3025 (Part 44): 1992, RA 2014
4.	Chemical Oxygen Demand	90	100	mg/L	APHA, 23 rd Ed, 2017, 5220-B, 5-18
5.	Oil & Grease	<1	Not Specified	mg/L	APHA, 23 rd Ed, 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as Cl ₂)	<0.05	1	mg/L	APHA, 23 rd Ed, 2017, 4500-Cl-G, 4-72

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----End of Report-----

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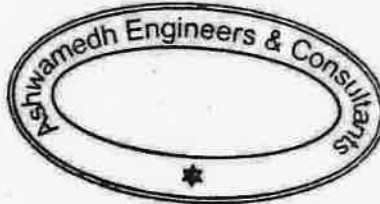
TEST REPORT

Sample ID: E/09/21/0306	Report No.: E/09/21/0306	Report Date	08/10/2021
Name and Address of Customer	Mumbai International Airport Ltd. Chhatrapati Shivaji Maharaj International Airport, 1st Floor, Terminal 1B, Santacruz(E), Mumbai-400099, Maharashtra		
Sampling done by	Customer	Sample Description / Type	Untreated Sewage Effluent
Sampling Location	Terminal 1 STP Inlet	Date - Receipt of Sample	29/09/2021
Sample Quantity/ Packing	2 L x 1 no. plastic can	Date - Start of Analysis	29/09/2021
Order Reference:	W.O. No. 4600005756 dated 08.07.2021	Date - Completion of Analysis	07/10/2021
Consent Number & Date : Format 1.0/BO/CAC-Ce11/UAN No. 0000046050/5 th CAC-1811001379 Dated.29.11.2018			

Sr. No.	Parameter	Result	Unit	Method
Chemical Testing; Group: Pollution & Environment, Subgroup: Waste Water (Sewage)				
1.	pH	6.58	-	IS 3025 (Part II):1983, RA 2017
2.	Total Suspended Solids	68	mg/L	IS 3025 (Part I):1984, RA 2017
3.	Biochemical Oxygen Demand (3 days, 27°C)	340	mg/L	IS 3025 (Part 44):1993, RA 2014
4.	Chemical Oxygen Demand	960	mg/L	APHA, 23 rd Ed., 2017, 5220-B, 5-18
5.	Oil & Grease	<1	mg/L	APHA, 23 rd Ed., 2017, 5520-B, 5-42
6.	Free Residual Chlorine (as Cl ₂)	<0.05	mg/L	APHA, 23 rd Ed., 2017, 4500-Cl-6.4-72

[Signature]

Ninad Soundankar
Technical Manager (Chemical)
Reviewed & Authorised by



-----**End of Report**-----

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**ADITYA ENVIRONMENTAL SERVICES PVT. LTD.**

Testing Laboratory is certified by ISO 9001:2015&OHSAS 18001:2007
Recognized by MoEFCC as "Environmental Laboratory" valid up to 08.07.2021
Laboratory: P-1, MIDC, Mohopada, P.O. Rasayani, Dist. Raigad Pin 410207
Tel: 02192 25 2008, CIN: U74999MH2001PTC132091

Stack Emission Quality Test Report

Ref. No: AESPL/LAB/ST-21/02/114

Report Date: 27/02/2021

Name of the client	:	Mumbai International Airport Ltd Chhatrapati Shivaji International Airport 1 st Floor, Terminal 1B, Santacruz (E), Mumbai - 400099	
Name of site	:	Mumbai International Airport	
Date of sampling	:	19/02/2021	
Date of receipt	:	20/02/2021	
Date of analysis	:	20/02/2021	
Monitored by	:	AESPL Consultancy Division	
Project/ Job number	:	PO 4600005431 dt 26.05.2020	
Reference of sampling	:	AESPL/LAB/F/G-31	
Method of sampling	:	AESPL/LAB/SOP/ST-01	
Stack Details			
Stack identification	:	DG MLCP	
Fuel used	:	HSD	
Stack diameter (m)	:	0.30	
Cross-sectional area (m ²)	:	0.071	
Stack height (m)	:	10	
Method of analysis and Equipment details			
Method of analysis	:	IS 11255 (Part 1,2,3) -1985 & EPA Method	
Sampling equipment	:	PEM SMK Sr. No-4519	
Calibration status	:	Calibrated on 23/10/2020 Calibration due on 22/10/2021	
Emission Details			
Parameter		Result of analysis	Limiting Standard as per consent
Gas Temperature (°C)	:	120	--
Gas Velocity (m/sec)	:	14.22	--
Gas Flow Rate (Nm ³ /hr)	:	2742.34	--
Particulate Matter(mg/Nm ³)	:	47.4	150
Sulphur Dioxide (Kg/Day)	:	2.11	
NOx (ppm)	:	11.4	100

Note:

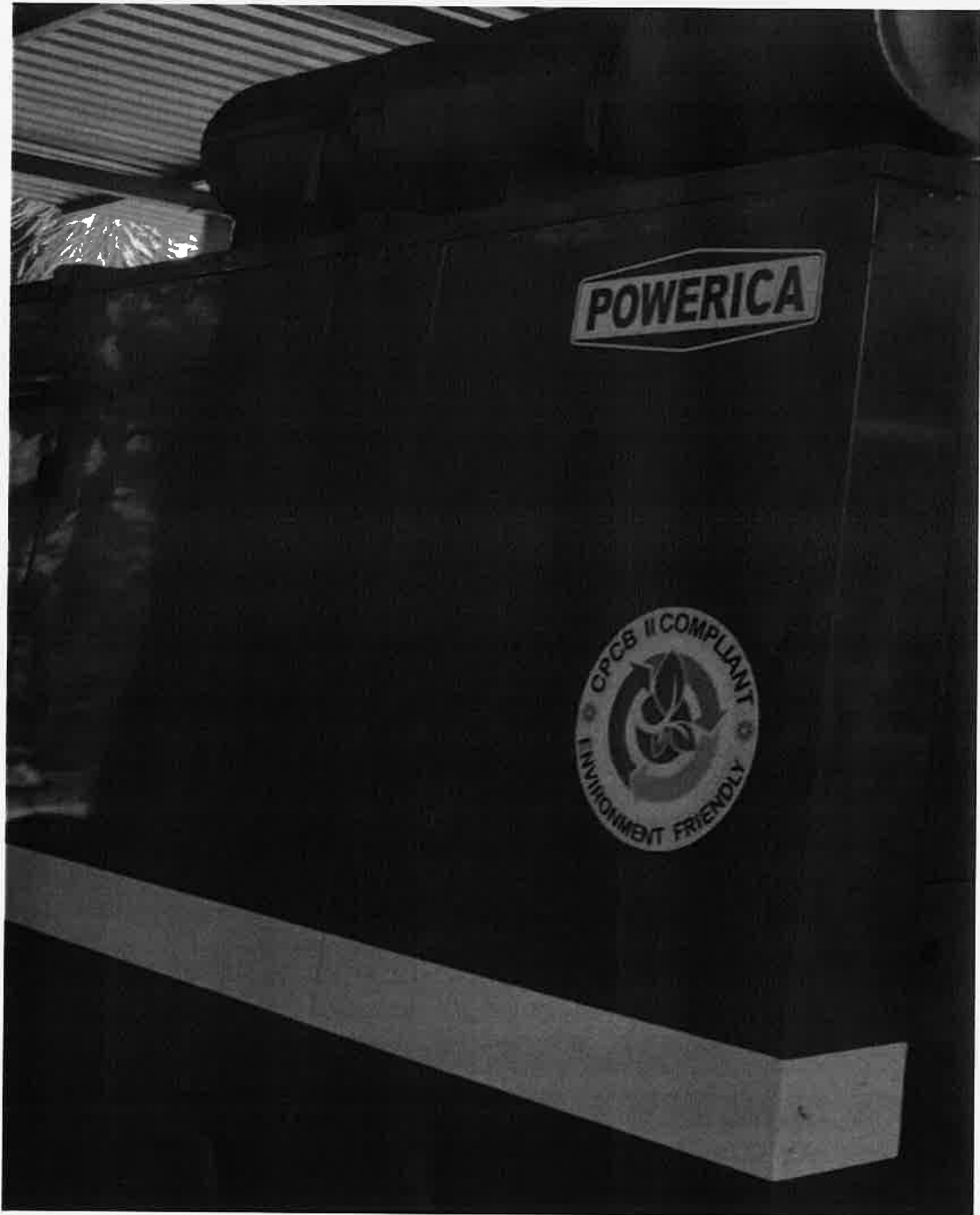
1. The test report shall not be reproduced except in full, without written approval of laboratory
2. Results relate only to the items tested
3. Above test parameter is presently not covered under NABL scope

**Chetan A Kadam****(Authorized Signatory - Pollution & Environment)**

-End of Test Report-

Annexure -04 DG Set photograph.

Annexure – 4 DG Set Enclosure and CPCB compliant level



**Annexure -05 Last Compliance reports submission
letter.**



Ref.: MIAL/ENV/20/21

Date: December 18, 2020

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

Dear Sir,

Subject: 19th half yearly Environmental Compliance report of EC received for "Proposed non-operational area (landside) development of CSIA & construction of 6 buildings at Vile Parle, Sahar, Brahmanwada, Marol, Chakala, Kolkalyan and Kurla by M/s Mumbai International Airport Ltd.

Ref:- Environment clearance File no. SEAC-2010/CR.53/TC-2 dated 01st July 2011, by SEIAA, GoM.

With reference to above, please find enclosed herewith the compliance Report of EC conditions for the period from April to September 2020.

As per the MoEF&CC notification SO 5845 (E) dated 28th November 2018, we are submitting the EC compliance report in soft copy only.

Kindly acknowledge the receipt of the EC compliance report.

Thanking you.

Yours faithfully,

For Mumbai International Airport Limited

Shalindra Joshi
General Manager – Environment & Sustainability

Encl: CD of 19th half yearly Environmental Compliance report.

- CC: 1) Additional PCCF– Ministry of Environment, Forest & Climate Change, Regional office – Nagpur
Kind Attn: Mr. Suresh Kumar)
2) Zonal officer– Central Pollution Control Board, Vadodara
3) Regional officer – Maharashtra Pollution Control Board, Govandi (E), Mumbai



Mumbai International Airport Limited
Chhatrapati Shivaji Maharaj International Airport
1st Floor, Terminal 1, Santacruz (E), Mumbai 400 099, India

T +91 22 6685 0900 / 6685 0901 F +91 22 6685 2059 www.csia.in
CIN - U45200MH2006PLC160164

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Annexure -06 Environment Statement Form-V



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000037907

Submitted Date

29-09-2021

PART A

Company Information

Company Name

Mumbai International Airport Limited

Application UAN number

0000046050

Address

Chhatrapati Shivaji Maharaj
International Airport (CSMIA),

Plot no

1st floor, Terminal - I

Taluka

Mumbai

Village

Santacruz (East),

Capital Investment (In lakhs)

11132.62

Scale

Large

City

Mumbai

Pincode

400099

Person Name

Dr. Ajay Mehrotra

Designation

Senior Vice President

Telephone Number

02266850778

Fax Number

02266850778

Email

ajay.mehrotra@gvk.com

Region

SRO-Mumbai II

Industry Category

Red

Industry Type

R23 Airports and Commercial Air Strips

Last Environmental statement submitted online

yes

Consent Number

BO/CAC-cell/UAN-0000046050/5th CAC-18110013979
and CAC/UAN no - 0000082458/CR-2007001672 and
BO/CAC-cell/UAN No. 0000009577/1st
CAC-1706000704

Consent Issue Date

29.11.2018

Consent Valid Upto

2021-10-31

Establishment Year

2006

Date of last environment statement submitted

Sep 28 2020 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

Nos./Y

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

Nos./Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	0.00	0
Domestic	7100.00	2379.6
All others	0.00	0
Total	7100.00	2379.6

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
Sewage generation at CSMIA	6615	1524.8	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Water consumption per passenger	0.029	0.078	

3) Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
NIL	0	0	CMD

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Diesel for DG set	14760	119.4	

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	7.1	7.1	0	8	Pollutant discharge within standard limit
Suspended Solids	23.7	19.2	0	50	Pollutant discharge within standard limit
BOD 3 days (27oC)	11.8	9.6	0	30	Pollutant discharge within standard limit
COD	25.9	21.0	0	100	Pollutant discharge within standard limit

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
SO2 (Kg/day)	2.1	0	0	295.2	Pollutant discharge within standard limit
Total Particulate matter (mg/Nm3)	0	48.2	0	150	Pollutant discharge within standard limit

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0	0	MT/A
5.2 Wastes or residues containing oil	2.6	2.42	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6.4	3.41	MT/A
23.1 Wastes or residues (not made with vegetable or animal materials)	26.8	44.84	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Waste Plastics	144	117	MT/A
Waste Paper	658	531	MT/A
Waste glass bottles	136	115	MT/A
Waste Plastics bottles	131	117	MT/A
Waste wood	151	113	MT/A
Broken tins	136	108	MT/A
Other Misc. scrap	149	114	MT/A
Waste cotton	125	88	MT/A
Wet waste	2926	1840.7	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
STP sludge	7.68	1.52	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-------------------	---------------------------------------------	--------------------------------------------	------------

Part-F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.0	MT/A	Disposed to MPCB authorized agency M/s Meher Petrochem Pvt. Ltd.
5.2 Wastes or residues containing oil	2.42	MT/A	Disposed to MPCB authorized agency M/s Meher Petrochem Pvt. Ltd.
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3.41	MT/A	Disposed to MPCB authorized agency M/s Meher Petrochem Pvt. Ltd.
23.1 Wastes or residues (not made with vegetable or animal materials)	44.84	MT/A	Disposed to MPCB authorized agency M/s Meher Petrochem Pvt. Ltd.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Waste plastic	117	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste paper	531	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste glass bottles	115	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste plastic bottles	117	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste wood	113	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste broken tins	108	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Other Misc. Scrap	114	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Waste cotton	88	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Wet Waste	1840.7	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping
Organic / food waste	207.3	MT/A	The non-hazardous waste is collected, segregated and disposed by M/s Sharda Enterprises. Segregation of the waste is being done at the contractors end after the waste is disposed to MCGM/MPCB dumping

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(in Lacs)
Energy saving measures at CSMIA	0	0	0	100000	2.5	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)
NIL	NIL	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0.0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NIL

Name & Designation

Senior Vice President

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000037907

Submitted On:

29-09-2021