भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण ,वनएवंजलवायुपरिवर्तनमंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
समन्वितक्षेत्रीयकार्यालय
INTEGRATED REGIONAL OFFICE
Ground Floor, East Wing, New Secretariat Building
Civil Lines, Nagpur - 440001
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सत्यमेव जयते

F. No.1891/RON/2022-NGP 110941

Dated: 20.12.2022.

To

Shri. Satish Bhangale, Engineer D Civil,
Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) /
Tata Memorial Centre (TMC) / Plot - 1 & 2, Sector – 22 Kharghar, City of Panvel- 410 210

Subject: M/s. Tata Memorial Centre at ACTREC, Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai. -Issue of Certified Compliance Report- Reg.

Sir,

This has reference to your request for the issue of CCR for the above project.In this regard, the above said project was inspected by this office on 08.12.2022. After the site visit and review of additional documents submitted, the implementation of environmental safeguards status in the plant is prepared. Copy of the Inspection report is enclosed. PP should ensure the compliance as observed in the report.

This issues with the approval of Competent Authority.

Yours faithfully

Encl: as above

(E.Thirunavukkarasu)
Scientist 'E'

GOVERNMENT OF INDIA
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Nagpur

MONITORING REPORT

PART – I

F.No:EC-1891/RON/2022-NGP/

Name of the projects	M/s. Tata Memorial Centre at ACTREC, Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai.
Clearance letter No.& Date	EC No. SEAC 2213/CR 325/TC II Dated: 12.01.2016 EC No. SEIAA-EC-0000000084 dated 04.05.2017 EC No. SEIAA-EC-0000002065 dated 07.11. 2019
Location: District and state/UT	ACTREC, Plot No. 1 & 2, sector 22 at Kharghar, Navi Mumbai.
Address for Correspondence	Shri. Satish Bhangale, Engineer D Civil, Advanced Centre for Treatment, Research & Education in Cancer (ACTREC) / Tata Memorial Centre (TMC) / Plot - 1 & 2, Sector – 22 Kharghar, City of Panvel- 410 210. 022-2740 5013 / 9869502468,022-3043 5013 E-mail: sbhangale@actrec.gov.in
Date of site visit for this report	08.12.2022
Date of previous visit(s) if any	-

Brief on the projects along with Present status: The project was inspected on 08.12.2022.During the visit, Shri. M Y Shaikh, Sr. Administrative officer, Shri. Satish Bhangale, Engineer D Civil, Shri. Rohit Haldankar, Jr Engineer Civil were present.

Environmental Clearance: Advanced Centre for Treatment, Research & Education in cancer (ACTREC), is a unit of Tata Memorial Centre at Kharghar, Navi Mumbai is a Grant-in aid Institute of Department of Atomic Energy, Govt. of India.

PP has obtained EC in 2016, 2017 and 2019 for its various projects -Hospital Project (Advance Treatment, Research & Education in Cancer, Radiological Research Unit and Administrative block (RRU), Centre for cancer Epidemiology (CCE, Archive and Record Storage).

Proposal: PP proposed "Hemato Lymphoid Block", Hadron Beam (Proton Therapy) Facility, Radiological Research Unit & Administration Block (RRU), Dormitory Building (Asha Niwas) and Construction of Bio Bank storage Building.

Consent from MPCB: PP has obtained following Consent to Establish from MPCB:

i) No. Format 1.0/ BO/ CAC-Cell/ UAN No. 0000026705/ CAC – 1801000090 Dated: 03.01.2018. (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) & Expansion of TATA Memorial hospital "Hemato Lymphoid Block"

ii) No. Format 1.0/ BO/ JD(WPC)/ UAN No. 00000054179/CE/CC -2002000186 dated: 05.02.2020. for Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU)

Environmental Monitoring: As per the records, PP carry out Ambient air quality, Noise level monitoring through accredited consultant regularly and as per the latest reports, the level are within the limit.

Green Belt: PP has developed good greenery within the premises. According to the records, green belt area is 25941.20 sqm. Photographs are enclosed at **Fig: 1**

CER/EMP: PP informed that according to the OM dated 25.02.2021 of the Ministry, the building projects to carryout all activities proposed under EMP as well any additional activities that may either be committed by them or prescribed by SEAC. Accordingly, Rs 140 lakhs has been earmarked for EMP during construction phase for EMP activities as STP, OWC, Rain water harvesting, plantation etc,.

Based on the records, observation made during the day of site inspection and information provided by the PA a detailed compliance report is prepared.

(E.Thirunavukkarasu)
Sci ' E'

Part-II – Compliance status in detail

Sl. No.	Conditions	Compliance Status
i.	This environmental Clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. This environmental Clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Agreed by the PP
ii.	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	Agreed by the PP. The height, Construction built up area of proposed construction will be in accordance with the existing norms of the urban local body and approval of CIDCO (Plan Approving Authority).
iii.	"Consent for Establishment" Shall be obtain from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be Submitted to the Environmental Department before start any construction work at the site.	PP has obtained following Consent to Establish from MPCB: iii) No. Format 1.0/ BO/ CAC-Cell/ UAN No. 0000026705/ CAC – 1801000090 Dated: 03.01.2018. (Radiological Research Unit and Administrative block - RRU) and Centre for cancer Epidemiology (CCE, Archive and Record Storage) & Expansion of TATA Memorial hospital "Hemato Lymphoid Block" iv) No. Format 1.0/ BO/ JD(WPC)/ UAN No. 00000054179/CE/CC - 2002000186 dated: 05.02.2020. for Hadron Beam (Proton Therapy) Facility and Radiological Research Unit & Administration Block (RRU)
iv.	All required sanitary and hygienic measure should be in place before starting construction activities and to be maintained throughout construction phase.	**Complied.** Facilities such as drinking water, toilets and safety related equipment's will be provided at the construction site. The solid waste

		generated from the labour colony will be collected and handed over to local body.
v.	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.	Agreed by the PP.
vi.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	PP has made provision for housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets with drainage connection to existing sewer network, safe drinking water, medical health care, first aid room etc.
vii.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid waste generated during the construction phase should be ensured.	PP has provided RO plants to ensure clean drinking water, sewage generated is connected to CIDCO sewer network, e solid waste generated from labour camp being sent to approved landfilling site after segregation and sale of recyclables & inerts.
viii.	The solid waste generated should be properly collected and segregated. Dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	PP informed that the construction debris will be utilized for filling and leveling of ground.
ix.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	PP informed that wet garbage generated from the construction of the building will be treated in Nisargruna Biogas Plant provided at the ground level in the premises. The manure thus generated will be used for gardening.
x.	Arrangement shall be made that wastewater and storm water do not get mixed.	Agreed by the PP
xi.	All the topsoil excavated during construction activities should be stored for use in horticulture landscape development within the project site.	Agreed by the PP. All the topsoil and construction debris will be used for maintaining green belt development and filling the plot respectively.
xii.	Additional soil for leveling of the proposed site	

	shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	
xiii.	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agricultural Dept.	PP has developed good greenery within the premises. According to the records, green belt area is 25941.20 sqm. Photographs are enclosed at **Fig: 1**
xiv.	Disposal of muck during construction phase should be create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approval sites with the approval of competent authority.	Agreed by the PP. The construction debris will be utilized for filling the plot and maintaining the natural slope.
xv.	Soil & 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.	PP carried out soil testing through MoEF recognized laboratory regularly and the copy of the report is enclosed at **Annexure-..**
xvi.	Constructions 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.	PP reported that there is no generation of any bituminous material or any hazardous material at the site till date & if generated will be disposed as per the MPCB norms.
xvii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra pollution control Board.	Biomedical waste generated from proposed facility will be disposed off to the nearest Common Biomedical Waste Treatment and Disposal Facility (CBMWTSDF) authorized by MPCB.
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.	No DG is being used for construction phase and if required 1 No, 120 KVA DG set will be used as power back.
xix.	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	
xx.	Vehicle hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission	Reported that the vehicles having valid PUC only are hired for bringing construction material such as concrete, sand, cement etc to the sit.

	standards and should be operated only during non- peak hours.	
xxi.	Ambient noise levels should be conform to residential standards both during day & night Incremental pollution loads on the ambient air & 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.	PP has provided temporary barricades around the premises, separate entry & exist for the construction vehicles, carry out Ambient Noise & Ambient Air monitoring regularly. Copy of the reports are enclosed at **Annexure- II-III**
xxii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 km of Thermal Power Stations).	PP reported that fly ash is being utilizing in ready mix concrete.
xxiii.	Ready mixed concrete must be used in building construction.	Ready mix concrete is used for construction of Building.
xxiv.	The approval of component authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment etc. as per National building Code including measures from lighting.	PP has obtained Structural stability certificates.
xxv.	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Agreed by the PP
xxvi.	Water demand during construction should be reduced by use of pre – mixed concrete, curing agents and other best practices referred.	PP informed that following best practices are being followed at site to reduce water demand. 1) Pre-mixed concrete i.e. RMC concrete is being used at site. 2) Curing is being done at site by sprinkling water over hessian cloth.
xxvii.	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	Agreed by the PP
xxviii.	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to	Agreed by the PP

	the maximum extent possible. Treatment of 100 % grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	
xxix.	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.	Noted
xxx.	Permission to draw ground water shall be obtained from the Competent Authority prior to construction / operation of the project.	PP reported that there is no ground water drawl.
xxxi.	Separation of grey and black water should be done by the use of duel plumbing line for separation of grey and black water.	Agreed by the PP
xxxii.	Fixtures for showers, toilet flushing, and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Agreed by the PP
xxxiii.	Use of glass may be reduced up to 40 % to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Agreed by the PP
xxxiv.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	Agreed by the PP
xxxv.	Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar streetlights, common solar water heater system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Agreed by the PP. Energy conservation measures such as Solar power panel , LED lighting system, LED street lighting, Energy efficient drives, BEE Certified Motors etc, will be provided.
xxxvi.	Diesel power generating sets proposed as source of backup power for elevators and common area	Agreed by the PP

	illumination during operational phase should be of enclosed type and conform to rules made under the environment (Protection) Act, 1986. The height of stack of D.G. 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.	
:xxvii.	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.	Pl refer above
xxviii.	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.	PP reported that parking is fully internalized to avoid traffic congestion.
xxxix.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air- conditioned spaces while it is aspirational for non – air- conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Agreed by the PP
xl.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation	Agreed by the PP
xli.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	PP carried out the construction activity only during day time and periodically carry outs monitoring of the noise and ambient air quality monitoring through recognised laboratory. The parameters are within the limits.
xlii.	Under the provision of Environmental (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.	According to PP, construction activity was initiated only after obtaining Environmental Clearance.
xliii.	Six monthly monitoring reports should be	Complied.

	submitted to the Department and MPCB.	
xliv.	A complete set of all the documents submitted to Department should be forwarded to the MPCB	Reported that a complete set of all the documents submitted to MPCB.
xlv.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.	Agreed by the PP
xlvi.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	PP has set up separate environment management cell for implementation of the stipulated environmental safeguards.
xlvii.	Separate funds shall be allocated for implementation of environmental protection measures EMP along with item – wise breakup. These cost shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB & this department.	According to PP, Rs 140 lakhs has been earmarked for the EMP during construction phase.
xlviii.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.	PP has published the advertisement in two local newspapers. Copy of the same is submitted.
xlix.	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.	Noted.
l.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels	PP has uploaded the compliance report in their website at https://actrec.gov.in/environmentcompliance.

namely; SPM, RSPM, SO2 , NOx (Ambient level as well as stack emissions) or critical sectorial 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.

li.	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 condition and shall also be sent to the respective Regional Office of MoEF by e-mail.	**Complied.**

(E.Thirunavukkarasu)
Sci 'E'

A-I

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by **ISO 9001:2015**& **ISO 45001:2018**
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

Soil Quality Test Report

Ref. No.: AESPL/LAB/S-21/09/21 **Issue Date:** 06/04/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Soil
Location of sample	:	Near Canteen
Sample identification number	:	S-21/09/21
Sample Quantity & Container	:	1kg; PG bag & Aluminum container
Environmental Condition	:	**Area**: Clean, **Color**: brown **Ambient Temp**: 32°C
Date of sample drawn	:	30/03/2022
Date of sample receipt	:	30/03/2022
Date of sample analysis	:	30/03/2022 – 05/04/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dated 01.06.2020
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/S-01

Sr.No.	Parameter		Result	Method of analysis
1.	pH@25°C		6.87	IS 2720 (part 26); RA2016
2.	Conductivity@25°C, µS/cm		293.5	IS-14767; RA 2016
3.	Water content, %		4.5	IS 2720 (part 2); RA2015
4.	Organic Carbon, %		0.82	IS 2720 (part 22); RA2015
5.	Available Nitrogen, %		0.0098	AESPL/LAB/SOP/7.2.1.2/S-05; 30.11.19
6.	Potassium as K, kg/hector		90	AESPL/LAB/SOP/7.2.1.2/S-06; 30.11.19
7.	Available Sulphur, mg/kg		42	AESPL/LAB/SOP/7.2.1.2/S-10; 30.11.19
8.	Calcium; Ca, meq/l		42	AESPL/LAB/SOP/7.2.1.2/S-11; 30.11.19
9.	Magnesium; Mg, meq/l		16	AESPL/LAB/SOP/7.2.1.2/S-12; 30.11.19
10.	Sodium; Na, kg/hector		80	IS-19497; RA 2015
11.	Zinc as Zn, mg/kg		< 0.04	EPA Method 3050B.2:1996
12.	Nickel as Ni, mg/kg		< 0.04	EPA Method 3050B.2:1996
13.	Chromium; Cr, mg/kg		< 0.04	EPA Method 3050B.2:1996
14.	Iron as Fe, mg/kg		0.23	EPA Method 3050B.2:1996
15.	Texture,	Clay, %	80	AESPL/LAB/SOP/7.2.1.2/S-17; 30.11.19
		Silt, %	10	
		Fine sand, %	10	

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.

Reshma S. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/04/223 **Issue Date:** 02/05/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.	
Name of Site	:	Kharghar	
Nature of sample	:	Ambient Air	
Location of sample	:	Main gate	
Sample Identification number	:	A- 22/03/349	
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1	
Date of sampling	:	23/05/2022	
Start Time of sampling	:	09:00 hrs	
Sampling period	:	8 hrs	
Date of sample receipt	:	25/04/2022	
Date of sample analysis	:	25/04/2022–30/04/2022	
Environmental condition	:	Climate: Clear	Ambient temp. 33°C
Monitored & transported by	:	AESPL	
Sampling equipment & Calibration status	:	RDS-I-06- calibration on 01/01/2022 due on 31/12/2022	
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/A-01	

Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO_2	14.4	80 *	µg/m³	IS 5182 (Part 2) RA2017
2.	NO_2	25.1	80 *	µg/m³	IS 5182 (Part 6) RA2017
3.	PM_{10}	69.9	100 *	µg/m³	IS 5182 (Part 23) RA2017
4.	CO	0.44	04 **	mg/m³	IS 5182 (part 10) RA2019

[#] 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

A-II

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

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Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/04/69 **Issue Date:** 26/04/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	23/04/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 35°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-03	
Calibration status	:	Calibrated on 15/11/2021, Calibration due on 14/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	49.2
2.	Near Premaster Shodhika building	48.7
3.	Near Khanolkar Shodhika building	47.9
4.	Near Animal house	48.5
5.	Near Service block	49.0
6.	Near Pump house 1	48.7
7.	Near Pump house 2	48.2
8.	Near Pump house 3	47.6
9.	Near Residential quarter	48.8
10.	Near Childcare center	49.2
11.	Near Faculty club	48.5
12.	Near Jussa Shodhika	49.5
13.	Near CCE	48.2
Limit as per EP Act for daytime at silence zone		**50**

Conformity Statement: Noise Levels at all the locations were found to be below the stipulated limits

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

Reshma S. Patil.
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

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Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/05/199 **Issue Date:** 28/05/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.	
Name of Site	:	Kharghar	
Nature of sample	:	Ambient Air	
Location of sample	:	Main gate	
Sample Identification number	:	A- 22/05/349	
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1; Bladder:1	
Date of sampling	:	20/05/2022	
Start Time of sampling	:	09:00 hrs	
Sampling period	:	8 hrs	
Date of sample receipt	:	23/05/2022	
Date of sample analysis	:	23/05/2022–27/05/2022	
Environmental condition	:	Climate: Clear	Ambient temp. 35°C
Monitored & transported by	:	AESPL	
Sampling equipment & Calibration status	:	RDS-I-06- calibration on 01/01/2022 due on 31/12/2022	
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
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 *	$\mu g/m^3$	IS 5182 (Part 2) RA2017
2.	NO_2	24.4	80 *	$\mu g/m^3$	IS 5182 (Part 6) RA2017
3.	PM_{10}	80.9	100 *	$\mu g/m^3$	IS 5182 (Part 23) RA2017
4.	CO	0.42	04 **	mg/m^3	IS 5182 (part 10) RA2019

[#] Specified under National Ambient Air Quality Standards by CPCB:
[*] 24 hourly monitoring values; [**] 1 hourly 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/05/209 **Issue Date:** 23/05/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/05/209
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 25°C, **Amb. Temp**: 38°C
Date of sample drawn	:	20/05/2022
Date of sample receipt	:	20/05/2022
Date of sample analysis	:	20/05/2022 – 21/05/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	2.1	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.17	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	58	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.032	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	12	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/05/195 **Issue Date:** 23/05/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/05/195
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 33°C
Date of sample drawn	:	20/05/2022
Date of sample receipt	:	20/05/2022
Date of sample analysis	:	20/05/2022 – 21/05/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent /100ml	IS:15185-2016
2	E-coli	Absent/100ml	Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

A-III

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.

Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/05/65 **Issue Date:** 24/05/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	20/05/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 38°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-04	
Calibration status	:	Calibrated on 15/11/2021, Calibration due on 14/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	48.6
2.	Near Premaster Shodhika building	48.9
3.	Near Khanolkar Shodhika building	49.0
4.	Near Animal house	49.3
5.	Near Service block	48.6
6.	Near Pump house 1	49.3
7.	Near Pump house 2	49.0
8.	Near Pump house 3	49.6
9.	Near Residential quarter	48.6
10.	Near Childcare center	49.0
11.	Near Faculty club	48.6
12.	Near Jussa Shodhika	49.1
13.	Near CCE	48.3
Limit as per EP Act for daytime at silence zone		**50**

Conformity Statement: Noise Levels at all the locations were found to be below the stipulated limits

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. 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&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/06/100 **Issue Date:** 02/07/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.	
Name of Site	:	Kharghar	
Nature of sample	:	Ambient Air	
Location of sample	:	Main gate	
Sample Identification number	:	A- 22/06/100	
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1; Bladder:1	
Date of sampling	:	25/06/2022	
Start Time of sampling	:	09:00 hrs	
Sampling period	:	8 hrs	
Date of sample receipt	:	27/06/2022	
Date of sample analysis	:	27/06/2022–01/07/2022	
Environmental condition	:	Climate: Clear	Ambient temp. 30°C
Monitored & transported by	:	AESPL	
Sampling equipment & Calibration status	:	RDS-I-06- calibration on 01/01/2022 due on 31/12/2022	
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/A-01	

Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO_2	13.1	80 *	$\mu g/m^3$	IS 5182 (Part 2) RA2017
2.	NO_2	23.8	80 *	$\mu g/m^3$	IS 5182 (Part 6) RA2017
3.	PM_{10}	67.4	100 *	$\mu g/m^3$	IS 5182 (Part 23) RA2017
4.	CO	0.42	04 **	mg/m^3	IS 5182 (part 10) RA2019

[#] Specified under National Ambient Air Quality Standards by CPCB:
[*] 24 hourly monitoring values; [**] 1 hourly 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

Annexure I

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/01/75 **Issue Date:** 25/01/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of Site	:	Kharghar
Nature of sample	:	Ambient Air
Location of sample	:	Main gate
Sample Identification number	:	A- 22/01/75
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1
Date of sampling	:	21/01/2022
Start Time of sampling	:	10:00 hrs
Sampling period	:	8 hrs
Date of sample receipt	:	22/01/2022
Date of sample analysis	:	22/01/2022–25/01/2022
Environmental condition	:	Climate: Clear Ambient temp. 29°C
Monitored & transported by	:	AESPL
Sampling equipment	:	Air Sampler RDS-I-03
Calibration status	:	Calibrated on 01/01/2022 Calibration due on 31/12/2022
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
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	13.6	80 *	$\mu g/m^3$	IS 5182 (Part 2) RA2017
2.	NO_2	22.3	80 *	$\mu g/m^3$	IS 5182 (Part 6) RA2017
3.	PM_{10}	68.2	100 *	$\mu g/m^3$	IS 5182 (Part 23) RA2017
4.	CO	0.35	04 **	mg/m^3	IS 5182 (part 10) RA2019

[#] 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015**& **ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/01/172 **Issue Date:** 25/01/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/01/172
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 25°C, **Amb. Temp**: 29°C
Date of sample drawn	:	22/01/2022
Date of sample receipt	:	22/01/2022
Date of sample analysis	:	22/01/2022 – 24/01/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	2.1	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.12	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	48	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.034	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	10	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.33	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/01/164 **Issue Date:** 25/01/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/01/164
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 31°C
Date of sample drawn	:	22/01/2022
Date of sample receipt	:	22/01/2022
Date of sample analysis	:	22/01/2022 – 24/01/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent	IS:15185-2016
2	E-coli	Absent/100ml	Absent	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/01/101 **Issue Date:** 24/01/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	21/01/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 31°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-03	
Calibration status	:	Calibrated on 15/11/2021, Calibration due on 14/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	49.5
2.	Near Premaster Shodhika building	48.7
3.	Near Khanolkar Shodhika building	47.6
4.	Near Animal house	48.8
5.	Near Service block	49.1
6.	Near Pump house 1	47.9
7.	Near Pump house 2	48.7
8.	Near Pump house 3	49.1
9.	Near Residential quarter	47.6
10.	Near Childcare center	48.2
11.	Near Faculty club	48.5
12.	Near Jussa Shodhika	47.9
13.	Near CCE	48.9
Limit as per EP Act for day time at silence zone		**50**

Conformity Statement: Noise Levels at all the locations were found to be below the stipulated limits

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

Reshma S. Patil.
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/02/68 **Issue Date:** 25/02/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.	
Name of Site	:	Kharghar	
Nature of sample	:	Ambient Air	
Location of sample	:	Main gate	
Sample Identification number	:	A- 22/02/68	
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1	
Date of sampling	:	18/02/2022	
Start Time of sampling	:	09:40 hrs	
Sampling period	:	8 hrs	
Date of sample receipt	:	19/02/2022	
Date of sample analysis	:	19/02/2022–24/02/2022	
Environmental condition	:	Climate: Clear	Ambient temp. 31°C
Monitored & transported by	:	AESPL	
Sampling equipment & Calibration status	:	RDS-I-03- calibration on 01/01/2022 due on 31/12/2022	
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
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	13.1	80 *	$\mu g/m^3$	IS 5182 (Part 2) RA2017
2.	NO_2	23.8	80 *	$\mu g/m^3$	IS 5182 (Part 6) RA2017
3.	PM_{10}	65.9	100 *	$\mu g/m^3$	IS 5182 (Part 23) RA2017
4.	CO	0.39	04 **	mg/m^3	IS 5182 (part 10) RA2019

[#] 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/02/156 **Issue Date:** 22/02/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/02/156
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 25°C, **Amb. Temp**: 31°C
Date of sample drawn	:	18/02/2022
Date of sample receipt	:	19/02/2022
Date of sample analysis	:	19/02/2022 – 21/02/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	2.2	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.21	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	50	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.033	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	09	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.30	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/02/165 **Issue Date:** 23/02/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/02/165
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 31°C
Date of sample drawn	:	18/02/2022
Date of sample receipt	:	19/02/2022
Date of sample analysis	:	19/02/2022 – 21/02/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent	IS:15185-2016
2	E-coli	Absent/100ml	Absent	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/02/72 **Issue Date:** 28/02/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	18/02/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 31°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-14	
Calibration status	:	Calibrated on 03/11/2021, Calibration due on 02/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	47.2
2.	Near Premaster Shodhika building	48.3
3.	Near Khanolkar Shodhika building	47.2
4.	Near Animal house	49.0
5.	Near Service block	48.6
6.	Near Pump house 1	49.3
7.	Near Pump house 2	48.9
8.	Near Pump house 3	49.8
9.	Near Residential quarter	47.2
10.	Near Childcare center	48.6
11.	Near Faculty club	47.8
12.	Near Jussa Shodhika	48.0
13.	Near CCE	47.2
Limit as per EP Act for day time at silence zone		**50**

Conformity Statement: Noise Levels at all the locations were found to be below the stipulated limits

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

Reshma S. Patil.
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Air Quality Test Report

Ref. No.: AESPL/LAB/A- 22/03/349 **Issue Date:** 07/04/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.	
Name of Site	:	Kharghar	
Nature of sample	:	Ambient Air	
Location of sample	:	Main gate	
Sample Identification number	:	A- 22/03/349	
Sample Quantity & Container	:	SO_2:1 Bottle x 30 ml; NO_2:1 Bottle x 30 ml; PM_{10}-1	
Date of sampling	:	30/03/2022	
Start Time of sampling	:	10:00 hrs	
Sampling period	:	8 hrs	
Date of sample receipt	:	01/04/2022	
Date of sample analysis	:	01/04/2022–06/04/2022	
Environmental condition	:	Climate: Clear	Ambient temp. 32°C
Monitored & transported by	:	AESPL	
Sampling equipment & Calibration status	:	RDS-I-03- calibration on 01/01/2022 due on 31/12/2022	
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/A-01	

Sr.No.	Parameter	Result	Limits #	Unit	Method of Analysis
1.	SO_2	15.4	80 *	$\mu g/m^3$	IS 5182 (Part 2) RA2017
2.	NO_2	25.8	80 *	$\mu g/m^3$	IS 5182 (Part 6) RA2017
3.	PM_{10}	73.9	100 *	$\mu g/m^3$	IS 5182 (Part 23) RA2017
4.	CO	0.46	04 **	mg/m^3	IS 5182 (part 10) RA2019

[#] 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.

Reshma s. Patil
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015**& **ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/03/267 **Issue Date:** 01/04/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/03/267
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 25°C, **Amb. Temp**: 32°C
Date of sample drawn	:	30/03/2022
Date of sample receipt	:	30/03/2022
Date of sample analysis	:	30/03/2022 – 31/03/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	2.1	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.28	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	58	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.033	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	12	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.30	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/03/247 **Issue Date:** 05/04/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/03/247
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 32°C
Date of sample drawn	:	30/03/2022
Date of sample receipt	:	30/03/2022
Date of sample analysis	:	30/03/2022 – 31/03/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent	IS:15185-2016
2	E-coli	Absent/100ml	Absent	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/03/141 **Issue Date:** 01/04/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	30/03/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 32°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-14	
Calibration status	:	Calibrated on 03/11/2021, Calibration due on 02/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	43.5
2.	Near Premaster Shodhika building	44.1
3.	Near Khanolkar Shodhika building	42.6
4.	Near Animal house	47.8
5.	Near Service block	45.3
6.	Near Pump house 1	46.1
7.	Near Pump house 2	47.0
8.	Near Pump house 3	46.5
9.	Near Residential quarter	48.3
10.	Near Childcare center	47.3
11.	Near Faculty club	46.5
12.	Near Jussa Shodhika	46.1
13.	Near CCE	47.3
Limit as per EP Act for daytime at silence zone		**50**

Conformity Statement: Noise Levels at all the locations were found to be below the stipulated limits

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

Reshma S. Patil.
(Authorized Signatory – Pollution & Environment)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/04/278 **Issue Date:** 27/04/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/04/278
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 27°C, **Amb. Temp**: 33°C
Date of sample drawn	:	23/04/2022
Date of sample receipt	:	25/04/2022
Date of sample analysis	:	25/04/2022 – 26/04/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	2.0	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.20	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.56	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	56	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.032	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	10	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.32	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/04/268 **Issue Date:** 28/04/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/04/268
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 33°C
Date of sample drawn	:	23/04/2022
Date of sample receipt	:	25/04/2022
Date of sample analysis	:	25/04/2022 – 26/04/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent /100ml	IS:15185-2016
2	E-coli	Absent/100ml	Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/W-22/06/226 **Issue Date:** 30/06/2022

Name of Client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22 Khargar, Navi Mumbai
Name of site	:	Khargar Navi Mumbai
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	W-22/06/226
Sample Quantity & Container	:	**F**-1lit; PE
Environmental Condition	:	**Area**: Clean, **Water Temp**: 25°C, **Amb. Temp**: 27°C
Date of sample drawn	:	25/06/2022
Date of sample receipt	:	27/06/2022
Date of sample analysis	:	27/06/2022 – 28/06/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-Compliance/WO/01-B dt 01.06.20
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	Limits (IS 10500:2012)		Method of Analysis
			Desirable	Permissible	
1.	Colour, Hazen	5.0	5 Max	15 Max	IS-3025(P- 4) RA2017
2.	Turbidity, NTU	< 2.0	1 Max	5 Max	IS-3025(P-10) RA2017
3.	pH@25°C	7.18	6.5 – 8.5	No	IS-3025(P-11) RA2017
4.	R. Cl_2, mg/l	0.58	0.2 Min	1.0 Min	IS-3025(P-26) RA2019
5.	Hardness, mg/l	60	200 Max	600 Max	IS-3025(P-21) RA2019
6.	Iron, mg/l	0.033	1.0 Max	No	IS-3025(P-11) RA2019
7.	Chlorides, mg/l	14	250 Max	1000 Max	IS-3025(P-53) RA2019
8.	Fluoride, mg/l	0.34	1.0 Max	1.5 Max	IS-3025(P-60) RA2019
9.	Odour	Agreeable	Agreeable	Agreeable	IS-3025(P-5) RA2017

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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. 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& ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Drinking Water Quality Test Report

Ref. No.: AESPL/LAB/Mw-22/06/228 **Issue Date:** 29/06/2022

Name of Client	:	M/s. Tata Memorial Hospital. Plot 1 & 2, Sector 22, Khargar, Navi Mumbai.
Name of site	:	Kharghar
Nature of sample	:	Drinking water
Location of sample	:	Canteen
Sample identification number	:	Mw-22/06/228
Sample Quantity & Container	:	250 ml; G
Environmental Condition	:	Area: Clean, Ambient Temp: 30°C
Date of sample drawn	:	25/06/2022
Date of sample receipt	:	27/06/2022
Date of sample analysis	:	27/06/2022 – 28/06/2022
Sample drawn by	:	AESPL
Sample Transported by	:	AESPL
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-02
Method of sampling & preservation	:	AESPL/LAB/SOP/7.3.1/M-01

Sr. No.	Parameter	Result	Limit As per IS 10500 -2012	Method of analysis
1	Coliforms	Absent /100ml	Absent /100ml	IS:15185-2016
2	E-coli	Absent/100ml	Absent/100ml	IS:15185-2016

Conformity Statement: Water sample is **pass** as per IS 10500:2012 w.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.

Pranali N Patil
(Authorized Signatory – Microbiology)

-End of Test Report-

ADITYA ENVIRONMENTAL SERVICES PVT. LTD.
Testing Laboratory is certified by **ISO 9001:2015&ISO 45001:2018**
Recognized by **MoEFCC** as **"Environmental Laboratory"** valid up to 24.04.2024
Laboratory: P-1, MIDC Mohopada, P.O. Rasayani, Dist. Raigad Pin 410222
Tel: 02192 252008, **CIN**: U74999MH2001PTC132091

TC-7085

Ambient Noise Quality Test Report

Ref: AESPL/LAB/N-22/06/87 **Issue Date:** 29/06/2022

Name of the client	:	M/s. Tata Memorial Hospital Plot 1 & 2, Sector 22, Khargar, Navi Mumbai	
Name of site	:	Khargar Navi Mumbai	
Monitoring date	:	25/06/2022	
Monitored & transported by	:	AESPL	
Environmental condition	:	Climate: Clear	Ambient temp. 31°C
Project/ Job number	:	TMC/ACTREC/EC-COMPLIANCE/WO/01-B dtd1Jun20	
Reference of sampling	:	AESPL/LAB/QR/7.3.3/R-03	
Method of sampling	:	IS 9989: RA 2014	
Instrument used	:	Noise meter - Centre C-390 SL-I-01	
Calibration status	:	Calibrated on 15/11/2021, Calibration due on 14/11/2022	

Sr. No.	Location	Noise Level dB(A) Leq
1.	Near Main gate	48.3
2.	Near Premaster Shodhika building	49.1
3.	Near Khanolkar Shodhika building	49.5
4.	Near Animal house	49.2
5.	Near Service block	48.6
6.	Near Pump house 1	49.4
7.	Near Pump house 2	48.8
8.	Near Pump house 3	49.6
9.	Near Residential quarter	49.9
10.	Near Childcare center	48.9
11.	Near Faculty club	49.4
12.	Near Jussa Shodhika	49.1
13.	Near CCE	49.7
Limit as per EP Act for daytime at silence zone		**50**

Conformity Statement: Noise Levels at all the locations are found to be below the stipulated limits

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. Decision rule is applied.

Reshma S. Patil.
(Authorized Signatory – Pollution & Environment)

-End of Test Report-