



By Email/Web-Portal
April 30, 2024

To,

Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, A-Wing- 407 & 409,
Aranya Bhawan, Near CH-3 Circle, Sector 10A,
Gandhinagar, Gujarat – 382010;
Email: iro.gandhingr-mefcc@gov.in, rowz.bpl-mef@nic.in

Sub.: Tata Chemicals Limited, Mithapur (Gujarat)- Half Yearly Compliance Status Report for
the Environmental Clearance (F. No. J-11011/140/2016.IA-II(I) dated July 05, 2019)

Madam/Sir,

We are here with enclosing half Yearly (October 2023 to March 2024) status report for the
above referred Environmental Clearance.

Thanking you
Yours sincerely,

For Tata Chemicals Limited

Sanjeev Jain
AGM-EMS

Copy to:

1. The Regional Officer, Gujarat Pollution Control Board,
Sardar Patel Bhavan, Rameshwar Nagar, Jamnagar – 361 008
Email: ro-gpcb-jamn@gujarat.gov.in
2. The Regional Director, Central Pollution Control Board,
Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura
Vadodara -390 023 Email: ec-rdw.cpcb@gov.in
3. Copy of compliance Report upload on MoEFCC-Parivesh and TCL portal

Enclosed: As above

TATA CHEMICALS LIMITED

Mithapur 361 345 District Devbhoomi Dwarka Gujarat
Tel + 91 (02892) 665991 / 2 / 3 / 4 Fax + 91 (02892) 223361 www.tatachemicals.com
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001
CIN : L24239MH1939PLC002893



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April 30, 2024

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Ministry of Environment, Forest and Climate Change,
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Gandhinagar, Gujarat – 382010;
Email: iro.gandhingr-mefcc@gov.in, rowz.bpl-mef@nic.in

Sub.: Tata Chemicals Limited, Mithapur (Gujarat)- Half Yearly Compliance Status Report for
the Environmental Clearance (F. No. J-11011/66/1999.IA-II(I) dated June 18, 2019)

Madam/Sir,

We are here with enclosing half Yearly (October 2023 to March 2024) status report for the
above referred Environmental Clearance.

Thanking you
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Tata Chemicals Limited, Mithapur (Gujarat)

Half Yearly Compliance status report of Environmental Clearance F. No. J-11011/66/1999- IAI (I)

Dated 18th June, 2019

S.No.	Compliance of terms and Conditions	Compliance Status (Oct-2023 to Mar-2024)
23	The committee observed that the Stage-I Forest Clearance for 'diversion of 11.268 ha Protected/Section-4 Forest land for 2504 meter long and 45 m wide wastewater pipeline in Mithapur in favour of General Manager, M/s Tata Chemicals Ltd Mithapur in Devbhumi Dwarka District in Gujarat' has been issued vide letter No.6-GJC 071/2018-BHO/178 dated 22.02.2019. After detailed deliberations, the committee recommended the proposal for Environmental Clearance with the following specific and general conditions:	
I.	Monitoring of compliance	
i.	The project proponent shall comply the conditions of Stage-I Forest Clearance obtained Forest (Conservation) Act, 1986 vide letter No.6- GJC 071/2018-BHO/178 dated 22.02.2019.	No forest land is involved in the existing plant premises. However, the treated waste water discharge system involves notified forest land for which Stage - I Forest Clearance has been obtained under Forest (Conservation) Act, 1980 vide letter No. 6 - GJC 071/2018-BHO/178 dated 22.02.2019. The company is complying with the conditions stipulated in the Stage - I Forest Clearance.
ii.	The project proponent shall obtain the recommendation of National Board for Wildlife for the expansion project, if required as per the Ministry's Office Memorandum dated 2nd December, 2009.	There is no notified area involved in existing cement plant. However, Wildlife approval is obtained vide letter No. WLP/32/B/1813-18/2017-18 dated 01.06.2017 for upgradation of treated wastewater discharge system of Industry complex.
iii.	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report.	Wildlife conservation plan prepared as a part of EIA Study is approved by the Chief Wildlife Warden vide letter no WLP/32/C/144-45/2018-19 dated 19.06.2018. Wildlife Conservation Plan has been prepared having total financial layout of Rs. 51 lakhs to be spent in the time span of 5 years). <ol style="list-style-type: none"> 1. Company has completed mangrove plantation in vicinity of effluent discharge area in consultation with forest department. 2. Company is conducting conservation and awareness activities under the Biodiversity Conservation initiatives. 3. Company has initiated study through CSIR-CSMCRI, Bhavnagar for monitoring and status survey of wildlife, mangrove in surrounding area. 4. Company has appointed an expert agency for compliance monitoring and reporting through NABL & NABET approved third party.

Tata Chemicals Limited, Mithapur (Gujarat)

Half Yearly Compliance status report of Environmental Clearance F. No. J-11011/66/1999- IAI (I)

Dated 18th June, 2019

S.No.	Compliance of terms and Conditions	Compliance Status (Oct-2023 to Mar-2024)
iv.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Company has obtained Consent to Establish from Gujarat Pollution Control Board for expansion capacity vide consent no. 85533 dated 19.06.2017. Consent to Operate has also been obtained from Gujarat Pollution Control Board vide consent no. AWH - 129468 dated 04.10.2023 (valid up to 11.08.2027). Company is conducting conservation and awareness activities under the Biodiversity Conservation initiatives.
v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project.	There is no withdrawal of fresh water (Ground or surface water).
vi.	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.	Company has obtained Authorization as per Hazardous and other waste (Management and Transboundary) Rules, 2016 from Gujarat Pollution Control Board vide consent order no. AWH - 129468 dated 04.10.2023 (Valid up to 11.08.2027). TCL has not initiated activities for expansion in cement production capacity.
II.	Air quality monitoring and preservation	
i.	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R. No. 612 (E) dated 25th S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories,	Continuous emission monitoring system is installed and connected to CPCB server. Calibration is done according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories as per CPCB guidelines.
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Ambient air quality including fugitive emissions are monitored through NABL approved Laboratory and Continuous Ambient Air Quality Monitoring Stations (CAAQMS).
iii.	The project proponent shall install system carryout to Ambient Air Quality monitoring	Ambient Air Quality is monitored for prescribed parameters including PM10,

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Dated 18th June, 2019

S.No.	Compliance of terms and Conditions	Compliance Status (Oct-2023 to Mar-2024)																											
	for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.	PM2.5, SO2 and NOx within and outside the plant area.																											
iv.	The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Monthly Summary Report of following are enclosed: a. CEMS Report b. CAAQMS Report c. Manual Stack monitoring and Ambient Air Quality/ Fugitive Emissions Report.																											
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.	Air Pollution Control (APC) systems are provided in following units of Cement plant as per prescribed emission norms: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No.</th> <th>Section</th> <th>APC System</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Raw Mill & Kiln</td> <td>Bag-filters</td> </tr> <tr> <td>2.</td> <td>Old Coal Mill</td> <td>Bag-filters</td> </tr> <tr> <td>3.</td> <td>New Coal Mill</td> <td>Bag-filters</td> </tr> <tr> <td>4.</td> <td>Cement Mill</td> <td>Bag-filters</td> </tr> <tr> <td>5.</td> <td>Dryer Crusher</td> <td>Bag-filters</td> </tr> <tr> <td>6.</td> <td>Cooler</td> <td>ESP</td> </tr> <tr> <td>7.</td> <td>Alkali Bypass</td> <td>Bag-filters</td> </tr> <tr> <td>8.</td> <td>Cement Plant Packers</td> <td>Bag-filters</td> </tr> </tbody> </table> <p>Bag filters are provided for control of fugitive dust from transfer points.</p>	Sr. No.	Section	APC System	1.	Raw Mill & Kiln	Bag-filters	2.	Old Coal Mill	Bag-filters	3.	New Coal Mill	Bag-filters	4.	Cement Mill	Bag-filters	5.	Dryer Crusher	Bag-filters	6.	Cooler	ESP	7.	Alkali Bypass	Bag-filters	8.	Cement Plant Packers	Bag-filters
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vi.	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	Bag filters with mechanised bag cleaning facilities are provided in units of cement plant.																											
vii.	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.	Air Pollution Control (APC) systems are provided as per prescribed emission norms.																											
viii.	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.	Road Cleaning is carried out by mechanical sweeping machine.																											

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ix.	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash	Covering of Raw Material is ensured during transportation. Flyash is transported in closed bulkers from captive power plant to cement plant. Raw Material is conveyed through covered conveyor belts from material charging point to raw material hoppers.
x.	Provide wind shelter fence and chemical spraying on the raw material stock piles; and	Greenbelt has been developed as wind shelter in fence of plant. Raw Material is covered towards the boundary area.
xi.	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.	Concentration of NOx in emissions from existing Raw Mill and Kiln Stack is well within the prescribed emission norm. Company has submitted clarification vide TCL letter No A/WG/294/2019 dated 05.07.2019.
xii.	Have separate truck parking area and monitor vehicular emissions at regular interval.	Vehicles are parked in designated area and vehicles are checked as per checklist.
xiii.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport	Company has implemented following control measures: 1. Covering of raw material and product during transportation 2. Closed conveying system in Raw Mill, Kiln, Coal Mill, Clinker and Cement Mill areas.
xiv.	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants	The scope of proposed expansion is only increase in Cement Grinding Capacity. TCL has not initiated activities for expansion in cement production capacity. Existing bagging units are equipped with bag filters. Company has also submitted clarification vide TCL letter No A/WG/294/2019 dated 05.07.2019.
III.	Water quality monitoring and preservation	
i.	The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these	Company has installed Effluent analyser and connected to CPCB and GPCB servers. Online monitoring system is calibrated as per CPCB guidelines.

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	system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
ii.	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Ground Water quality is monitored at identified locations through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
iii.	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.	Monthly Summary Report are enclosed: a. Continuous Effluent Monitoring Report. b. Effluent Test Report. c. Ground Water Quality Report.
iv.	Adhere to 'Zero Liquid Discharge'	Expansion of Cement production capacity will not add generation of waste water. Company has treated waste water discharge system for existing Industry complex (Soda ash, Captive Power, cement, Chlor-alkali and bromine plant). Treated waste water is discharged into sea through single outlet. Company has submitted clarification vide TCL letter No A/WG/294/2019 dated 05.07.2019.
v.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Company has existing STP Facility (3 MLD) in township.
vi.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Drains and water ponds are provided to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
vii.	The project proponent shall practice rainwater harvesting to maximum possible extent.	Company has provided rainwater harvesting facilities in greenbelt and township area.
viii.	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Water is supplied from water treatment plant within the existing premises. There will be no freshwater and ground water intake due to expansion activity.

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ix.	The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water	Company has adopted integrated water management System. Cement Plant is based on dry process technology; and water is only being used in cooling, domestic and greenbelt development.
IV	Noise monitoring and prevention	
i.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Ambient Noise level monitoring is conducted. Noise monitoring report is enclosed.
ii.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz, 75 dB(A) during day time and 70 dB(A) during night time	Ambient Noise levels are well within the prescribed norms
v.	Energy Conservation measures	
i.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Company has installed a 5KW roof top solar system in Captive power plant and utilizes this solar energy in streetlight in plant area. Also, the company has installed a 2MW solar plant in the township area. Commissioning of this plant is in progress.
ii.	Provide the project proponent for LED lights in their offices and residential areas.	LED lights are installed in offices and Residential area.
iii.	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.	Flyash is utilised in cement as per BIS norms.
VI.	Waste management	
i.	The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.	Hazardous waste is disposed through approved recycler and co-processing in cement plant.
ii.	Kitchen waste shall be composted or converted to biogas for further use.	Company has facilities for Compost making from food waste.
VII	Green Belt	
i.	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant	Greenbelt is being developed as per EMP given in EIA report.
ii.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration	GHG emissions inventory is carried out as per GRI guidelines. The Company has committed to reduce its carbon emission (scope 1 & 2) as per the Science Based Target Initiatives

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	including plantation.	('SBTi') guidelines. The Company has established policies for Climate Change, Safety, Health & Environment ('SHE') and Biodiversity
VIII.	Public hearing and Human health issues	
i.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Process of HIRA and Disaster Management plan is prepared for existing operations.
ii.	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPEs are provided as per the norms of Factory Act.
iii.	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 etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Company has existing facilities within township area.
iv.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Periodical medical check-up are conducted as per schedule. TCL has established procedures and formats as per ISO 45001:2018 for occupational health management system. Pre-employment, periodic and exit medical examination is being conducted for employees & contractors. Employees involved in hazardous area are medically tested once in six months in compliance to Rule 68 (R) legal requirement under Gujarat Factories Rule, 1963 TCL has Full-fledged Occupational Health center having qualified medical officer and staff. Ambulance van is available for round the clock basis with the dedicated driver.
IX.	Corporate Environment Responsibility	
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	0.25 % of the total project cost has been allocated towards Corporate Environment Responsibility (CER) and plan with item-wise details along with time bound action plan and submitted to MoEFCC, New Delhi along with EIA/EMP report. Tata Chemicals Society for Rural Development (TCSRSD) has been working for CSR activities. TCSRSD's Programmes include:

Tata Chemicals Limited, Mithapur (Gujarat)

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S.No.	Compliance of terms and Conditions	Compliance Status (Oct-2023 to Mar-2024)
		<p>A. Building Economic Capital Farm Based Livelihood (Unnati):</p> <ol style="list-style-type: none"> 1) Agriculture Development 2) Livestock Management 3) Centre For Sustainable Agriculture & Farm Excellence (C-SAFE) Non-Farm Based Livelihood <p>a) Skill Training Programme (Badte Kadam)</p> <p>b) Cluster & Rural Enterprise Development Programme</p> <p>c) Okhai Centre For Empowerment</p> <p>B. Ensuring Environmental Integrity Natural Resource Management</p> <ol style="list-style-type: none"> 1) Watershed Development and Water Management (Jal Dhan) 2) Soil and Land Improvement 3) Waste Management 4) Biodiversity Conservation Centre for Sustainable Conservation Action for the Protection of the Ecosystems of the Seas (C-SCAPES) <p>C. Enablers for Sustainable Development</p> <ol style="list-style-type: none"> 1) Education (Shiksha Maitree) 2) Health & Nutrition 3) Drinking Water & Sanitation <p>D. Building Social Capital</p> <ol style="list-style-type: none"> 1) Women Empowerment 2) Community-Based Organisations (CBOs) 3) Institution Building 4) Reducing Inequality Of Marginalised Communities Through Armative Action <p>E. Employee Volunteering</p> <p>Details of the expenditures are published in TCSR annual reports.</p>

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iii.	<p>The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.</p>	<p>Company has a well laid down Safety Health and Environment Policy. Copy of Safety, Health and Environment Policy signed by the Managing Director of Company is being submitted along with six-monthly compliance status report.</p> <p>Requirements of Environmental regulations are included in Legal Compliance Management System.</p> <p>Separate Environmental Cell is part of Environment Management System (ISO-14001:2015).</p>
iv.	<p>Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.</p>	<ol style="list-style-type: none"> 1. Company has implemented the Action Plan for cement plant as proposed in EMPs: <ol style="list-style-type: none"> a. Upgradation of Air Pollution Control Systems as per revised emission norms b. Online Monitoring System c. Development of Greenbelt in plant periphery d. Waste utilisation (Co-processing) 2. Responsibility matrix of company is prepared as per ISO 14001:2015 and approved by the Management Representative. 3. Year wise funds are earmarked for environmental protection measures Separate accounts are maintained for environmental projects. Details of expenditures is reported : Progress of implementation of action plan (EMP Cost Rs. 29.50 Cr): Completed upgradation of Air Pollution Control Systems Completed (Actual cost Rs. 85 Cr). 4. Annual expenditures for environmental improvements are reported in Form V (Environmental Statement).

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v.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Third party Environmental audits are carried out by GPCB schedule - I auditor. Internal and External audits are conducted as per ISO Standards 9001, 14001 and 45001.
vii.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.	Company has implemented applicable norms for cement plant and quarterly compliance report under CREP is submitted to the GPCB.
X.	Miscellaneous	
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Advertisement has been published in News Papers. Copies of the advertisements have been submitted to the Ministry. Copy of Environment Clearance is uploaded on Company's Web portal.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Copies of environment clearance has been submitted to Okha Nagarpalika, Taluka Development Officer and District Development Officer vide letter no A/WG/278/2019 dated 04.07.2019.
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Status of compliance is uploaded on Company's Web-portal.
iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Air quality parameters are monitored and displayed near Main Gate of factory. Monthly summary of data is uploaded on Company's Web-portal along with Half yearly compliance report.
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Six- monthly compliance report is submitted on Web portal of MoEF&CC.

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vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Environment Statement (Form-V) is submitted to the GPCB and copy is uploaded on Company's Web portal.
vii.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Company publishes the annual report with the Date of Financial Closure. Proposal has been approved by the GPCB (Consent to Establish) and MoEF&CC (Environment Clearance). Expansion of Cement production capacities shall be made within the existing cement plant and project timelines will be submitted to the Ministry.
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Company has adhered to the stipulations made by GPCB.
ii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Company has complied with the environmental management program (EIA/EMP).
viii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Expansion or modifications in the plant shall be carried out as per EC approval of the Ministry of Environment, Forest and Climate Change.
ix.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
x.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
xi.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted.

Tata Chemicals Limited, Mithapur (Gujarat)

Half Yearly Compliance status report of Environmental Clearance F. No. J-11011/66/1999- IAI (I)

Dated 18th June, 2019

S.No.	Compliance of terms and Conditions	Compliance Status (Oct-2023 to Mar-2024)
xii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted.
xiii.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	Noted.
xiv.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.

TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: October 2023							
Sr. No	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	25.10.2023	25	44
		Boiler-2 (CEHP2)	SO2	600		146	37
		Boiler-3 (B&W)	NOx	600		159	210
2	RCC 2	Boiler-4 (IBIL)	PM	100	25.10.2023	39	64
			SO2	600		98	40
			NOx	600		73	181
3	RCC 3	Boiler -5 (HPB3)	PM	100	25.10.2023	52	44
			SO2	600		348	139
			NOx	600		224	14
3	RCC 3	Boiler -6 (HPB4)	PM	100	25.10.2023	72	13
			SO2	600		383	138
			NOx	600		272	39
5	1	HCL Furnace	HCl	20	25.10.2023	1.4	0.7
6	2	Chlorine Plant	Chlorine	9	25.10.2023	BDL	0.6
7	3	Bromine Plant	Bromine NCP 1	2	25.10.2023	0.9	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	26.10.2023	8	11
			SO2	100		7	0.2
			NOx	1000		384	620
9	5	Cement Plant Coal Mill Old	PM	30	26.10.2023	2	3
			SO2	100		BDL	0.0
			NOx	1000		BDL	26
10	6	Cement Plant Coal Mill New	PM	30	26.10.2023	1	10
			SO2	100		BDL	1.6
			NOx	1000		BDL	112
15	7	Alkali Bypass	PM	30	26.10.2023	6	9
13	8	Dryer Crusher	PM	30	26.10.2023	3	3
14	9	Cooler	PM	30	26.10.2023	1	4
11	10	Cement Mill	PM	30	-	-	4
12	11	Cement Packer-1	PM	30	26.10.2023	3	5
		Cement Packer-2	PM	30	26.10.2023	3	4
16	12	Drying unit of Monohydrate	PM	150	25.10.2023	85	-

BDL - Below Detectable Limit

NIO- Not in Operation

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TATA CHEMICALS LIMITED, MITHAPUR

AMBIENT AIR QUALITY MONITORING REPORT (NABL Lab)

MONTH: October 2023

Sr. No.	LOCATION	DATE	PM 10 (µg/m3)	PM 2.5 (µg/m3)	Sulphur dioxide (µg/m3)	Oxides of Nitrogen (µg/m3)	Cl ₂ (µg/m3)	Ammonia (µg/m3)	HCl (µg/m3)	CO (µg/m3)
1	Sewage Treatment Plant	25.10.2023	38	18	9	13	-	-	-	-
2	Padli Substation (Nursery)	25.10.2023	49	14	8	14	-	-	-	-
4	Effluent Analyser at Final Discharge Point	26.10.2023	45	20	8	14	-	-	-	-

BDL= Below detectable limit

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bungalow	Oct-23	42	18	0.5	8.0
2	CAAQMS - Malara Green Cap	Oct-23	52	26	1.0	5.9

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: October 2023**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
27.10.2023	188	0.73	8.2	30	BDL	10	-	Pass
Online Analyser (Monthly Avg)	72	-	7.7	27	-	-	1,71,720	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
27.10.2023	7.7	7.1	26.3	220	1,213	0

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TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: November 2023							
Sr.No.	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	17.10.2023	23	46
		Boiler-2 (CEHP2)	SO2	600		86	101
		Boiler-3 (B&W)	NOx	600		186	478
2	RCC 2	Boiler-4 (IBIL)	PM	100	18.10.2023	60	52
			SO2	600		116	73
			NOx	600		160	315
3	RCC 3	Boiler -5 (HPB3)	PM	100	09.11.2023	20	47
			SO2	600		11	178
			NOx	600		11	14
3	RCC 3	Boiler -6 (HPB4)	PM	100	18.10.2023	39	65
			SO2	600		166	195
			NOx	600		90	38
5	1	HCL Furnace	HCl	20	21.10.2023	2.3	0.7
6	2	Chlorine Plant	Chlorine	9	09.11.2023	0.3	0.6
7	3	Bromine Plant	Bromine NCP 1	2	09.11.2023	BDL	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	19.10.2023	4	12
			SO2	100		15	0.0
			NOx	1000		70	644
9	5	Cement Plant Coal Mill Old	PM	30	19.10.2023	4	2
			SO2	100		17	0.1
			NOx	1000		92	28
10	6	Cement Plant Coal Mill New	PM	30	20.10.2023	4	8
			SO2	100		11	0.7
			NOx	1000		90	133
15	7	Alkali Bypass	PM	30	20.10.2023	4	5
13	8	Dryer Crusher	PM	30	19.10.2023	4	6
14	9	Cooler	PM	30	20.10.2023	4	5
11	10	Cement Mill	PM	30	21.10.2023	4	3
12	11	Cement Packer-1	PM	30	22.11.2023	4	4
		Cement Packer-2	PM	30	20.10.2023	3	5
16	12	Drying unit of Monohydrate	PM	150	21.10.2023	72	-

BDL - Below Detectable Limit

NIO- Not in Operation

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TATA CHEMICALS LIMITED, MITHAPUR**AMBIENT AIR QUALITY MONITORING REPORT (CAAQMS)****MONTH: November 2023**

Sr. No.	LOCATION	DATE	PM 10 (µg/m ³)	PM 2.5 (µg/m ³)	Sulphur dioxide (µg/m ³)	Oxides of Nitrogen (µg/m ³)
1	Sewage Treatment Plant	Nov-23	82	49	1	12
2	Padli Substation (Nursery)	Nov-23	81	52	2	10
3	Effluent Analyser at Final Discharge Point	Nov-23	58	52	1	7

BDL= Below detectable limit

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bungalow	Nov-23	83	42	0.4	8.9
2	CAAQMS - Malara Green Cap	Nov-23	87	55	1.7	8.8

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: November 2023**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
09.11.2023	44	0.56	8.09	30	BDL	10	-	Pass
Online Analyser (Monthly Avg)	53	-	7.9	25	-	-	1,85,542	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
07.11.2023	7.4	3.2	10	170	1,096	0

TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: December 2023							
Sr.No.	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	26.12.2023	44	42
		Boiler-2 (CEHP2)	SO2	600		119	84
		Boiler-3 (B&W)	NOx	600		485	450
2	RCC 2	Boiler-4 (IBIL)	PM	100	26.12.2023	38	38
			SO2	600		93	43
			NOx	600		48	74
3	RCC 3	Boiler -5 (HPB3)	PM	100	26.12.2023	49	54
			SO2	600		232	196
			NOx	600		14	16
3	RCC 3	Boiler -6 (HPB4)	PM	100	26.12.2023	65	40
			SO2	600		120	180
			NOx	600		49	37
5	1	HCL Furnace	HCl	20	26.12.2023	3.6	0.5
6	2	Chlorine Plant	Chlorine	9	26.12.2023	2.8	0.6
7	3	Bromine Plant	Bromine NCP 1	2	26.12.2023	0.9	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	27.12.2023	ND	12
			SO2	100		9	0.0
			NOx	1000		597	591
9	5	Cement Plant Coal Mill Old	PM	30	27.12.2023	ND	2
			SO2	100		ND	0.1
			NOx	1000		102	45
10	6	Cement Plant Coal Mill New	PM	30	27.12.2023	ND	9
			SO2	100		ND	1.0
			NOx	1000		334	139
15	7	Alkali Bypass	PM	30	27.12.2023	ND	5
13	8	Dryer Crusher	PM	30	27.12.2023	ND	3
14	9	Cooler	PM	30	27.12.2023	ND	4
11	10	Cement Mill	PM	30	27.12.2023	ND	1
12	11	Cement Packer-1	PM	30	27.12.2023	ND	4
		Cement Packer-2	PM	30	27.12.2023	ND	3
16	12	Drying unit of Monohydrate	PM	150	27.12.2023	16	-

ND= Not detectable as per NABL certificate

NIO- Not in Operation

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TATA CHEMICALS LIMITED, MITHAPUR

AMBIENT AIR QUALITY MONITORING REPORT (NABL Lab)

MONTH: December 2023

Sr. No.	LOCATION	DATE	PM 10 (µg/m3)	PM 2.5 (µg/m3)	Sulphur dioxide (µg/m3)	Oxides of Nitrogen (µg/m3)
1	Malara	25.12.2023	58	23	ND	ND
2	Effluent Analyser (Padli)	25.12.2023	64	30	ND	8
3	Director Bunglow	25.12.2023	60	26	ND	10
4	Mithamahahal	25.12.2023	72	34	ND	20

ND= Not detectable as per NABL certificate

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bunglow	Dec-23	65	34	0.6	6.2
2	CAAQMS - Malara Green Cap	Dec-23	72	35	1.3	0.7

AMBIENT NOISE LEVEL MONITORING REPORT (NABL Lab)

Sr. No.	LOCATION	DATE	Noise Observation	
			Day Time dB(A)	Night Time dB(A)
1	Malara	26.12.2023	55.7	53.2
2	Effluent Analyser (Padli)	26.12.2023	61.3	53.6
3	Director Bunglow	26.12.2023	54.2	51.6
4	Mithamahahal	26.12.2023	56.4	52.4

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: December 2023**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
26.12.2023	37	2.8	8.57	29.8	ND	5	-	Pass
Online Analyser (Monthly Avg)	49	-	8.3	22	-	-	1,76,190	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
07.12.2023	7.3	3.0	8	158	1,097	0

TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: January 2024							
Sr.No.	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	23.01.2024	61	43
		Boiler-2 (CEHP2)	SO2	600		104	94
		Boiler-3 (B&W)	NOx	600		457	443
2	RCC 2	Boiler-4 (IBIL)	PM	100	23.01.2024	65	46
			SO2	600		71	147
			NOx	600		78	267
3	RCC 3	Boiler -5 (HPB3)	PM	100	23.01.2024	22	46
			SO2	600		396	248
			NOx	600		247	11
3	RCC 3	Boiler -6 (HPB4)	PM	100	23.01.2024	30	33
			SO2	600		384	95
			NOx	600		23	19
5	1	HCL Furnace	HCl	20	23.01.2024	4.1	0.5
6	2	Chlorine Plant	Chlorine	9	23.01.2024	3.6	1.0
7	3	Bromine Plant	Bromine NCP 1	2	23.01.2024	0.9	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	22.01.2024	16	11
			SO2	100		7	0.0
			NOx	1000		541	359
9	5	Cement Plant Coal Mill Old	PM	30	22.01.2024	ND	2
			SO2	100		ND	0.0
			NOx	1000		98	32
10	6	Cement Plant Coal Mill New	PM	30	22.01.2024	ND	8
			SO2	100		ND	1.0
			NOx	1000		306	111
15	7	Alkali Bypass	PM	30	22.01.2024	ND	4
13	8	Dryer Crusher	PM	30	22.01.2024	ND	2
14	9	Cooler	PM	30	22.01.2024	ND	3
11	10	Cement Mill	PM	30	22.01.2024	ND	1
12	11	Cement Packer-1	PM	30	22.01.2024	ND	5
		Cement Packer-2	PM	30	22.01.2024	ND	2
16	12	Drying unit of Monohydrate	PM	150	25.01.2024	39	-

ND= Not detectable as per NABL certificate

NIO- Not in Operation

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TATA CHEMICALS LIMITED, MITHAPUR

AMBIENT AIR QUALITY MONITORING REPORT (NABL Lab)

MONTH: January 2024

Sr. No.	LOCATION	DATE	PM 10 (µg/m3)	PM 2.5 (µg/m3)	Sulphur dioxide (µg/m3)	Oxides of Nitrogen (µg/m3)
1	Malara	22.01.2024	68	37	ND	7
2	Effluent Analyser (Padli)	22.01.2024	60	28	ND	10
3	Director Bunglow	22.01.2024	48	23	ND	12
4	Mithamahahal	22.01.2024	55	30	ND	17

ND= Not detectable as per NABL certificate

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bunglow	Jan-24	42	26	1.2	6.0
2	CAAQMS - Malara Green Cap	Jan-24	63	18	1.8	2.0

AMBIENT NOISE LEVEL MONITORING REPORT (NABL Lab)

Sr. No.	LOCATION	DATE	Noise Observation	
			Day Time dB(A)	Night Time dB(A)
1	Malara	26.12.2023	55.7	53.2
2	Effluent Analyser (Padli)	26.12.2023	61.3	53.6
3	Director Bunglow	26.12.2023	54.2	51.6
4	Mithamahahal	26.12.2023	56.4	52.4

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: January 2024**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
23.01.2024	76	2.4	8.12	29.6	ND	4	-	Pass
Online Analyser (Monthly Avg)	48	-	8.1	21	-	-	1,49,056	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
13.01.2024	7.6	3.1	14	100	1,010	0

TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: February 2024							
Sr.No.	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	28.02.2024	56	44
		Boiler-2 (CEHP2)	SO2	600		181	68
		Boiler-3 (B&W)	NOx	600		466	358
2	RCC 2	Boiler-4 (IBIL)	PM	100	28.02.2024	51	42
			SO2	600		101	66
			NOx	600		75	185
3	RCC 3	Boiler –5 (HPB3)	PM	100	28.02.2024	34	39
			SO2	600		203	193
			NOx	600		53	16
3	RCC 3	Boiler –6 (HPB4)	PM	100	28.02.2024	30	46
			SO2	600		430	198
			NOx	600		46	38
5	1	HCL Furnace	HCl	20	29.02.2024	3.6	0.615
6	2	Chlorine Plant	Chlorine	9	29.02.2024	4.2	0.620
7	3	Bromine Plant	Bromine NCP 1	2	29.02.2024	0.8	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	29.02.2024	15	11
			SO2	100		7	0.0
			NOx	1000		451	493
9	5	Cement Plant Coal Mill Old	PM	30	-	-	2
			SO2	100		-	0.0
			NOx	1000		-	53
10	6	Cement Plant Coal Mill New	PM	30	29.02.2024	ND	8
			SO2	100		6	0.6
			NOx	1000		315	228
15	7	Alkali Bypass	PM	30	29.02.2024	ND	5
13	8	Dryer Crusher	PM	30	-	-	2
14	9	Cooler	PM	30	12.02.2024	ND	5
11	10	Cement Mill	PM	30	06.02.2024	ND	6
12	11	Cement Packer-1	PM	30	29.02.2024	14	4
		Cement Packer-2	PM	30	29.02.2024	11	1
16	12	Drying unit of Monohydrate	PM	150	-	-	-

ND= Not detectable as per NABL certificate

NIO= Not in Operation

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TATA CHEMICALS LIMITED, MITHAPUR

AMBIENT AIR QUALITY MONITORING REPORT (NABL Lab)

MONTH: February 2024

Sr. No.	LOCATION	DATE	PM 10 (µg/m3)	PM 2.5 (µg/m3)	Sulphur dioxide (µg/m3)	Oxides of Nitrogen (µg/m3)
1	Malara	28.02.2024	74	27	8	9
2	Effluent Analyser (Padli)	28.02.2024	64	25	6	13
3	Director Bunglow	28.02.2024	56	19	8	16
4	Mithamahahal	28.02.2024	78	30	9	19

ND= Not detectable as per NABL certificate

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bunglow	Feb-24	39	13	2.6	5.4
2	CAAQMS - Malara Green Cap	Feb-24	59	17	2.2	10.2

AMBIENT NOISE LEVEL MONITORING REPORT (NABL Lab)

Sr. No.	LOCATION	DATE	Noise Observation	
			Day Time dB(A)	Night Time dB(A)
1	Malara	26.12.2023	55.7	53.2
2	Effluent Analyser (Padli)	26.12.2023	61.3	53.6
3	Director Bunglow	26.12.2023	54.2	51.6
4	Mithamahahal	26.12.2023	56.4	52.4

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: February 2024**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
29-02-2024	71	2.18	7.86	30.1	Not Detected	3	-	Pass
Online Analyser (Monthly Avg)	69	-	7.8	23	-	-	1,73,881	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
13.02.2024	7.5	3.6	12	110	897	0

- Monthly Report- February 2024 Uploaded in XGN on 28/03/2024 16:05:49 from IP No: 172.16.31.15.

- Note: IP of machine is captured by the browser of client machine.IP is depends upon the Internet Service Provider.

TATA CHEMICALS LIMITED, MITHAPUR							Online Monitoring System (Monthly Avg)
STACK EMISSIONS MONITORING REPORT							
MONTH: March 2024							
Sr.No.	Stack No.	Stack Attached To	Parameters	Permissible limits (mg/Nm ³)	Date of Sampling	Results (mg/Nm ³)	CEMS Result (mg/Nm ³)
1	RCC-1	Boiler-1 (CEHP1)	PM	100	13.03.2024	43	43
		Boiler-2 (CEHP2)	SO2	600		374	51
		Boiler-3 (B&W)	NOx	600		505	332
2	RCC 2	Boiler-4 (IBIL)	PM	100	13.03.2024	64	43
			SO2	600		192	42
			NOx	600		135	132
3	RCC 3	Boiler –5 (HPB3)	PM	100	12.03.2024	13	41
			SO2	600		379	227
			NOx	600		21	13
3	RCC 3	Boiler –6 (HPB4)	PM	100	12.03.2024	14	44
			SO2	600		456	186
			NOx	600		54	34
4	RCC 4	Boiler –7 (HPB5)	PM	30	13.03.2024	11	7
			SO2	100		70	34
			NOx	100		50	41
5	1	HCL Furnace	HCl	20	12.03.2024	3.7	0.59
6	2	Chlorine Plant	Chlorine	9	12.03.2024	3.6	0.69
7	3	Bromine Plant	Bromine NCP 1	2	12.03.2024	0.9	-
8	4	Cement Plant Raw Mill and Kiln	PM	30	12.03.2024	ND	11
			SO2	100		13	0.3
			NOx	1000		517	637
9	5	Cement Plant Coal Mill Old	PM	30	13.03.2024	ND	2
			SO2	100		3	0.3
			NOx	1000		91	62
10	6	Cement Plant Coal Mill New	PM	30	13.03.2024	ND	9
			SO2	100		7	0.3
			NOx	1000		575	396
15	7	Alkali Bypass	PM	30	13.03.2024	ND	5
13	8	Dryer Crusher	PM	30	12.03.2024	ND	2
14	9	Cooler	PM	30	13.03.2024	ND	6
11	10	Cement Mill	PM	30	13.03.2024	ND	8
12	11	Cement Packer-1	PM	30	13.03.2024	ND	5
		Cement Packer-2	PM	30	13.03.2024	ND	1
16	12	Drying unit of Monohydrate	PM	150	16.03.2024	15	-

ND= Not detectable as per NABL certificate

NIO- Not in Operation

- Monthly Report- March 2024 Uploaded in XGN on 17/04/2024 15:54:53 from IP No: 172.16.31.15.

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TATA CHEMICALS LIMITED, MITHAPUR

AMBIENT AIR QUALITY MONITORING REPORT (NABL Lab)

MONTH: March 2024

Sr. No.	LOCATION	DATE	PM 10 (µg/m3)	PM 2.5 (µg/m3)	Sulphur dioxide (µg/m3)	Oxides of Nitrogen (µg/m3)
1	Malara	12.03.2024	51	23	9	19
2	Effluent Analyser (Padli)	13.03.2024	77	41	7	16
3	Director Bunglow	12.03.2024	66	38	10	17
4	Mithamahahal	13.03.2024	59	27	11	23

ND= Not detectable as per NABL certificate

CONTINUOUS AMBIENT AIR QUALITY MONITORING REPORT

Sr. No.	Location	Date	PM10	PM2.5	SO2	NOx
1	CAAQMS - Director Bunglow	Mar-24	38	12	2.1	3.2
2	CAAQMS - Malara Green Cap	Mar-24	58	14	1.6	12.0

AMBIENT NOISE LEVEL MONITORING REPORT (NABL Lab)

Sr. No.	LOCATION	DATE	Noise Observation	
			Day Time dB(A)	Night Time dB(A)
1	Malara	Mar-24	54.7	49.9
2	Effluent Analyser (Padli)	Mar-24	58.2	54.1
3	Director Bunglow	Mar-24	60.4	56.5
4	Mithamahahal	Mar-24	55.1	52.3

TATA CHEMICALS LIMITED, MITHAPUR

**EFFLUENT ANALYSIS REPORT
MONTH: March 2024**

Final Treated Waste Water

Date	Suspended Solids	Ammonical Nitrogen	pH	Temp	Oil & Grease	Color	Treated waste water Quantity	Bioassay Test
Unit	mg/l	mg/l	NIL	°C	mg/l	Pt-Co scale	M3/Day	90 % Survival of the fish after 96 hrs. in 100 % effluent
GPCB Prescribed Limit	500	5	6.5 to 9.5	Max. 40	2	100	2,40,000	
15-03-2024	62	2.31	7.87	30.5	Not Detected	4	-	Pass
Online Analyser (Monthly Avg)	43	-	8.0	25	-	-	1,82,416	-

BDL= Below detectable limit

STP FINAL OUTLET

Date	pH	BOD 3 days 27 °C	Suspended Solids	Fecal Coliform	Qty.of Treated STP outlet Recycled	Qty.of Treated STP outlet Disharged into Sea
Unit	-	mg/l	mg/l	MPN/ml	KLPD	KLPD
GPCB Prescribed Limit	6.5 to 9.0	30	100	1000/100	2,400	
27.03.2024	7.5	2.6	25	110	860	0

- Monthly Report- March 2024 Uploaded in XGN on 17/04/2024 15:54:53 from IP No: 172.16.31.15.

- Note: IP of machine is captured by the browser of client machine.IP is depends upon the Internet Service Provider.



List of CSR Projects and Programs FY 2023-24 as per Schedule VII of the Companies Act 2013

CSR Annual Action Plan

Key Themes	Key Programs	Amount allocated (Rs. Crore)
Building Economic Capital	Agriculture and Livestock Development	1.20
	Handicrafts and Cluster Development	0.50
	Skill Development	1.50
Ensuring Environmental Integrity	Natural Resources Management and Environment Conservation	3.50
Enablers for Social, Economic & Environmental Development	Health Care, Nutrition, Safe drinking water & Sanitation	1.00
	Education	2.00
Building Social Capital	Inclusive growth	1.50
Support for Infrastructure & Disaster Relief		2.50
Support for Innovation R&D and Sustainability		3.00
Others		0.80
Total		17.50

BIODIVERSITY

BIODIVERSITY (MITHAPUR)

PARAMETERS	UNIT	17-18	18-19	19-20	20-21	21-22	22-23	CUMULATIVE
Mangroves planted - Mithapur	Nos	20,200	60,000	28,700	60,000	65,000	0	6,60,400
Mangroves planted - Sundarbans	Nos	62,000	55,000	75,000	55,000	10,5000	2,04,000	9,82,000
Development of dry deciduous forest plot	Acres	-	-	5	10	10	7	32
Environment awareness program	Nos	-	155	155	181	146	172	-
People reached (Outreach of environment & conservation awareness program)	Nos	8,544	7,670	11,675	6,084	8,379	7,811	2,08,966
Whale shark rescued	Nos	30	20	44	34	37	44	910
Avi-fauna (bird) species recorded	Nos	84	90	83	2	10	126	126
Indigenous flora species introduced	Nos	5	5	5	5	5	5	164
Eco clubs promoted	Nos	30	40	54	56	56	30	56

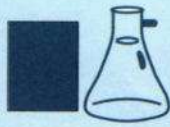
EDUCATION

EDUCATION (MITHAPUR)

PARAMETERS	UNIT	17-18	18-19	19-20	20-21	21-22	22-23	CUMULATIVE
Schools covered (quality of education)	Nos	26	96	96	96	96	67	96
Children covered (scholarship program)	Nos	291	340	1,584	785	613	174	4521
Children covered - Science activity	Nos	-	375	-	-	2451	1899	4,725
Children covered - Competitive exam Navodaya preparation	Nos	-	-	52	50	41	126	269
Children's covered - Summer camp	Nos	-	-	141	-	43	118	302
Students covered - Career Resource Counselling	Nos	-	-	57	92	1,400	210	1,759
Total children covered	Nos	-	-	-	-	40,248	22842	63,090

SUMMARY OF EXPENDITURE

PROJECT	EXPENDITURE DURING THE YEAR 2022-23 (IN LACS)			
	TCL/TCSR D	AGENCIES	BENEFICIARIES	
Sustainable Resource Base & Biodiversity Initiatives	583.51	450.11	13.95	1047.57
Sustainable Livelihood Creation	299.31	41.82	3.45	344.58
Improving Quality of Life (Health Care)	39.45	42.25	0.22	81.92
Improving Quality of Life (Access to Education)	121.62	115.75	2.10	239.47
Affirmative Action for SC & ST	32.45	113.59	0.00	146.04
Relief Activity	9.84	0.00	0.00	9.84
Innovation R & D	73.20	0.00	0.00	73.20
Administrative (Office & Miscellaneous.)	63.15	0.22	0.00	63.37
Total	1222.53	763.74	19.72	2005.99



TEST REPORT

TC-5945
QF/7.8/63-WT

ULR:TC59452400000428F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

Test Report No.: **PL/TCM/23/0035**

Issue Date : **12/01/2024**

Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/35
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Bhimrana#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.70	IS 3025 (Part 11)
2	Colour	Hazen	3.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.08	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	4403	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	1274	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	7.0	IS 3025 (Part 17)
8	Total Hardness	mg/L	1020	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	224	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	86.4	IS 3025 (Part 46)

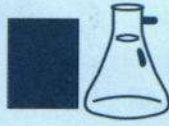
Continue....

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- Recognition under E.P. Act 1986 MoEF/CPCB
- GPCB Approved Schedule II Auditor
- ISO 14001
- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



TC-0945

TEST REPORT

QF/7.8/63-WT

ULR:TC594524000000428F

Customer's Name and Address :

Page: 2 of 2

TATA CHEMICALS LIMITED MITHAPUR - 361 345, DISTRICT : DEVBHOOMI DWARKA, GUJARAT, INDIA.	Test Report No. : PL/TCM/23/0035 Issue Date : 12/01/2024 Customer's Ref. : PO No -2110003079 DATED 09.12.2023
--	--

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	296	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	549	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	0.162	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	84.07	IS 3025 (Part 24)
16	Sodium as Na	mg/L	11.61	SOP/INS/W/015
17	Potassium as K	mg/L	2.45	SOP/INS/W/015
18	Iron as Fe	mg/L	0.125	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

Minimum Detection Limit as per NABL certificate No TC 5945 for: Copper as Cu:0.02 mg/L, Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L.

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

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TEST REPORT

QF/7.8/63-WT

ULR:TC59452400000427F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

Test Report No.: **PL/TCM/23/0034**

Issue Date : **12/01/2024**

Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/34
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Lalpur#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.73	IS 3025 (Part 11)
2	Colour	Hazen	2.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.07	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	538	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	282	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	18	IS 3025 (Part 17)
8	Total Hardness	mg/L	102	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	27.2	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	8.16	IS 3025 (Part 46)

Continue....

H. T. Shah
Lab. Manager

Dr. Arun Rajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- Recognition under E.P. Act 1986 MoEF/CPCB
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- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat

TEST REPORT

TC-5945

QF/7.8/63-WT

ULR:TC594524000000427F

Customer's Name and Address :

Page: 2 of 2

TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.


Test Report No. : **PL/TCM/23/0034**
 Issue Date : **12/01/2024**
 Customer's Ref. : **PO No -2110003079**
DATED 09.12.2023


RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	120	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	65.97	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	Not Detected	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	11.87	IS 3025 (Part 24)
16	Sodium as Na	mg/L	34.6	SOP/INS/W/015
17	Potassium as K	mg/L	8.67	SOP/INS/W/015
18	Iron as Fe	mg/L	0.204	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

Minimum Detection Limit as per NABL certificate No TC 5945 for: Copper as Cu:0.02 mg/L, Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L, Fluoride as Fe:0.05 mg/L.


H. T. Shah
 Lab. Manager


Dr. Arun Bajpai
 Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● Recognition under E.P. Act 1986 MoEF/CPCB ● GPCB Approved Schedule II Auditor ● ISO 14001 ● ISO 45001 ● ISO 9001 ● Food & Drug Control Administration [FDA]-Gujarat



TEST REPORT

TC-6948
QF/7.8/63-WT

ULR:TC59452400000426F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

Test Report No.: **PL/TCM/23/0033**

Issue Date : **12/01/2024**

Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/33
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Hamusar#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.34	IS 3025 (Part 11)
2	Colour	Hazen	2.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.06	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	625	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	372	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	Not Detected	IS 3025 (Part 17)
8	Total Hardness	mg/L	170	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	38	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	18	IS 3025 (Part 46)

Continue....

**H. T. Shah
Lab. Manager**

**Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat

TEST REPORT

TC-5946
QF/7.8/63-WT

ULR:TC59452400000426F

Customer's Name and Address :

Page: 2 of 2

TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.

Test Report No. : **PL/TCM/23/0033**
Issue Date : **12/01/2024**
Customer's Ref. : **PO No -2110003079**
DATED 09.12.2023

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	238	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	36.48	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	Not Detected	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	6.83	IS 3025 (Part 24)
16	Sodium as Na	mg/L	38.3	SOP/INS/W/015
17	Potassium as K	mg/L	9.84	SOP/INS/W/015
18	Iron as Fe	mg/L	0.169	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

Minimum Detection Limit as per NABL certificate No TC 5945 for: Total Suspended Solids:2.0 mg/L, Copper as Cu:0.02 mg/L, Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L, Fluoride as Fe:0.05 mg/L, Ammonical Nitrogen:0.2 mg/L.

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

● Recognition under E.P. Act 1986 MoEF/CPCB ● GPCB Approved Schedule II Auditor ● ISO 14001 ● ISO 45001 ● ISO 9001 ● Food & Drug Control Administration [FDA]-Gujarat

"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com

TEST REPORT
ULR:TC59452400000425F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

 Test Report No.: **PL/TCM/23/0032**

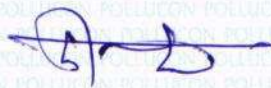
 Issue Date : **12/01/2024**

 Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/32
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Devpara#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	8.08	IS 3025 (Part 11)
2	Colour	Hazen	3.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.08	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	3239	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	1608	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	8.0	IS 3025 (Part 17)
8	Total Hardness	mg/L	360	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	88	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	33.6	IS 3025 (Part 46)

Continue....

**H. T. Shah
Lab. Manager**

**Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

● Recognition under E.P. Act 1986 MoEF/CPCB ● GPCB Approved Schedule II Auditor ● ISO 14001 ● ISO 45001 ● ISO 9001 ● Food & Drug Control Administration [FDA]-Gujarat

TEST REPORT

Customer's Name and Address :

Page: 2 of 2

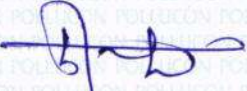
**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.**

 Test Report No. : **PL/TCM/23/0032**
 Issue Date : **12/01/2024**
 Customer's Ref. : **PO No -2110003079
DATED 09.12.2023**
RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	264	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	651	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	0.808	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	142	IS 3025 (Part 24)
16	Sodium as Na	mg/L	322	SOP/INS/W/015
17	Potassium as K	mg/L	11.4	SOP/INS/W/015
18	Iron as Fe	mg/L	0.088	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

 Minimum Detection Limit as per NABL certificate No TC 5945 for: Copper as Cu:0.02 mg/L, Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L, Ammonical Nitrogen:0.2 mg/L.


**H. T. Shah
Lab. Manager**

**Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

● Recognition under E.P. Act 1986 MoEF/CPCB ● GPCB Approved Schedule II Auditor ● ISO 14001 ● ISO 45001 ● ISO 9001 ● Food & Drug Control Administration [FDA]-Gujarat



TC-8945

QF/7.8/63-WT

TEST REPORT

ULR:TC59452400000424F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

Test Report No.: **PL/TCM/23/0031**

Issue Date : **12/01/2024**

Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/31
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Padli#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.45	IS 3025 (Part 11)
2	Colour	Hazen	2.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.06	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	1126	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	562	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	27	IS 3025 (Part 17)
8	Total Hardness	mg/L	188	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	52	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	13.92	IS 3025 (Part 46)

Continue....

**H. T. Shah
Lab. Manager**

**Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

- Recognition under E.P. Act 1986 MoEF/CPCB
- GPCB Approved Schedule II Auditor
- ISO 14001
- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



TEST REPORT

TC-8945

QF/7.8/63-WT

ULR:TC59452400000424F

Customer's Name and Address :

Page: 2 of 2

TATA CHEMICALS LIMITED MITHAPUR - 361 345, DISTRICT : DEVBHOOMI DWARKA, GUJARAT, INDIA.	Test Report No. : PL/TCM/23/0031 Issue Date : 12/01/2024 Customer's Ref. : PO No -2110003079 DATED 09.12.2023
--	--

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	128	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	196	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	Not Detected	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	25.03	IS 3025 (Part 24)
16	Sodium as Na	mg/L	90.62	SOP/INS/W/015
17	Potassium as K	mg/L	12.2	SOP/INS/W/015
18	Iron as Fe	mg/L	0.176	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

Minimum Detection Limit as per NABL certificate No TC 5945 for: Copper as Cu:0.02 mg/L,Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L, Ammonical Nitrogen:0.2 mg/L, Fluoride as Fe:0.05 mg/L.

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- GPCB Approved Schedule II Auditor
- ISO 14001
- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



TEST REPORT

TC-8945
QF/7.8/63-WT

ULR:TC59452400000423F

Page: 1 of 2

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.**

Test Report No.: **PL/TCM/23/0030**

Issue Date : **12/01/2024**

Customer's Ref.: **PO No -2110003079
DATED 09.12.2023**

Description of Sample : Ground Water	Quantity/No. of Samples : 05 Lit/One
Date of Sampling : 27/12/2023	Sampling Procedure : As per table
Sampling By : Pollucon Laboratories Pvt. Ltd.	Protocol (purpose) : QC
Sample Receipt Date : 29/12/2023	Lab ID : TCM/2312/30
Packing/ Seal : Sealed	Test Parameters : As per table
Date of Starting of Test : 29/12/2023	Date of Completion of Test : 08/01/2024
Identification of Sample : Aarambhada#	

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
1	pH	--	7.57	IS 3025 (Part 11)
2	Colour	Hazen	3.0	IS 3025 (Part 4)
3	Turbidity	NTU	0.07	APHA (23 rd Edition) 2130 B
4	Odour	--	Agreeable	IS 3025 (Part 5)
5	Conductivity	µmhos/cm	1485	IS 3025 (Part 14)
6	Total Dissolved Solids	mg/L	806	IS 3025 (Part 16)
7	Total Suspended Solids	mg/L	Not Detected	IS 3025 (Part 17)
8	Total Hardness	mg/L	380	IS 3025 (Part 21)
9	Calcium as Ca	mg/L	116	IS 3025 (Part 40)
10	Magnesium as Mg	mg/L	21.12	IS 3025 (Part 46)

Continue....

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

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- GPCB Approved Schedule II Auditor
- ISO 14001
- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



TEST REPORT

TC-5945
QF/7.8/63-WT

ULR:TC594524000000423F

Customer's Name and Address :

Page: 2 of 2

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOO MI DWARKA,
GUJARAT, INDIA.**

Test Report No. : **PL/TCM/23/0030**
Issue Date : **12/01/2024**
Customer's Ref. : **PO No -2110003079
DATED 09.12.2023**

RESULT TABLE

SR. NO.	TEST PARAMETERS	UNIT	RESULT	TEST METHOD
11	Alkalinity	mg/L	246	IS 3025 (Part 23)
12	Ammonical Nitrogen	mg/L	Not Detected	IS 3025 (Part 34)
13	Chloride as Cl	mg/L	200	IS 3025 (Part 32)
14	Fluoride as Fe	mg/L	0.338	APHA(23 rd Edition) 4500F D
15	Sulphate as SO ₄	mg/L	80.72	IS 3025 (Part 24)
16	Sodium as Na	mg/L	127	SOP/INS/W/015
17	Potassium as K	mg/L	10.2	SOP/INS/W/015
18	Iron as Fe	mg/L	0.179	SOP/INS/W/015
19	Copper as Cu	mg/L	Not Detected	SOP/INS/W/015
20	Manganese as Mn	mg/L	Not Detected	SOP/INS/W/015
21	Mercury as Hg	mg/L	Not Detected	SOP/INS/W/016
22	Cadmium as Cd	mg/L	Not Detected	SOP/INS/W/015
23	Arsenic as As	mg/L	Not Detected	SOP/INS/W/017
24	Lead as Pb	mg/L	Not Detected	SOP/INS/W/015
25	Chromium as Cr ⁺³	mg/L	Not Detected	SOP/INS/W/015
26	Nickel as Ni	mg/L	Not Detected	SOP/INS/W/015
27	Vanadium as V	mg/L	Not Detected	SOP/INS/W/015
28	Zinc as Zn	mg/L	Not Detected	SOP/INS/W/015

#Detail given by Customer.

Minimum Detection Limit as per NABL certificate No TC 5945 for: Total Suspended Solids:2.0 mg/L, Copper as Cu:0.02 mg/L, Manganese as Mn:0.05 mg/L, Mercury as Hg:0.0005 mg/L, Cadmium as Cd:0.002 mg/L, Arsenic as As:0.005 mg/L, Lead as Pb:0.005 mg/L, Chromium as Cr⁺³:0.025 mg/L, Nickel as Ni:0.01 mg/L, Vanadium as V:0.25 mg/L, Zinc as Zn:0.05 mg/L, Ammonical Nitrogen:0.2 mg/L.

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.

- Recognition under E.P. Act 1986 MoEF/CPCB
- GPCB Approved Schedule II Auditor
- ISO 14001
- ISO 45001
- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



TC-7099

**KADAM ENVIRONMENTAL CONSULTANTS**

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001**ENVIRONMENTAL MONITORING REPORT****LABORATORY TEST REPORT – NOISE**

REPORT NO.: OCT23/108/39 (ULR- TC709923000021363F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. TATA Chemicals Ltd. Mithapur okhamandal -361 345 Dist. Jamnagar Gujarat.		
2.	Sample ID: 2146728246 – 108OC23NO01	3.	Client Representative: Mr. Sanjeev Jain
4.	Sample Date: 17.10.2023	5.	Sample Collected By: Mr. Gaurang Rana
6.	Analysis commenced on: 17.10.2023	7.	Analysis Completed on: 17.10.2023
8.	Reporting Date: 02.11.2023	9.	Sampling Location: -
10.	Discipline: Chemical	13.	Sample Received Date: 17.10.2023
11.	Group: Atmospheric Pollution		
12.	Product: Ambient Noise Levels/ Source Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
1	Sewage Treatment Plant	13.30 AM	51.4	22.10 PM	50.1	IS 9989: 1981
2	Padli Gate	13.50 AM	48.2	22.15 PM	45.9	IS 9989: 1981
3	Devpura	14.10 AM	53.4	22.20 PM	51.0	IS 9989: 1981
4	Padli Effluent Analyzer	14.35 AM	58.5	22.25 PM	56.6	IS 9989: 1981
Remark: CPCB Limits in dB(A) Leq (Industrial Area) Day Time 75 dB(A)/Night Time 70 dB(A)						
Authorized By <i>Sapana Amin</i>						
Name : Sapana Amin				Designation : Lab Incharge		

- NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 03
Effective Date: 01.03.2021	Issue Date: 01-05-2015	Revision Date: 01.03.2021



TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

QF/7.8/63-EX

ULR:TC59452400000408F

Page: 1 of 1

Customer's Name and Address :

TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.

Test Report No. : **PL/TCM/23/0017**

Issue Date : **12/01/2024**

Customer's Ref. : **PO No -2110003079**
DATED 09.12.2023

NOISE LEVEL MONITORING REPORT

Sampling Date : **26/12/2023**
Test Method : **IS 9876 / IS 9989**
Sampling Location : **As per table**
Sampling By : **Pollucon Laboratories Pvt. Ltd.**
Protocol (purpose) : **Environmental Monitoring**

RESULT TABLE

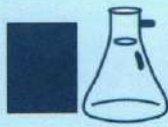
SR. NO.	NAME OF THE LOCATION	NOISE OBSERVATIONS	
		DAY TIME dB(A)	NIGHT TIME dB(A)
1	Near Malara	55.7	53.2
2	Near Mithamhal	56.4	52.4
3	Near DB	54.2	51.6
4	Near Analyser	61.3	53.6
	LIMIT**	75 dB(A)	70 dB(A)

**Limit as per the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.
Day time shall mean from 6.00 a.m. to 10.00 p.m.
Night time shall mean from 10.00 p.m. to 6.00 a.m.

H. T. Shah
Lab. Manager

Dr. Arun Bajpai
Lab Manager (Q)

Note: This report is subject to terms & conditions mentioned overleaf.



TEST CERTIFICATE FOR AMBIENT NOISE LEVEL MONITORING

QF/7.8/63-EX

ULR:TC59452400003758F

Page: 1 of 1

Customer's Name and Address :

**TATA CHEMICALS LIMITED
MITHAPUR - 361 345,
DISTRICT : DEVBHOOMI DWARKA,
GUJARAT, INDIA.**

Test Report No. : **PL/TCM/24/0081**
Issue Date : **27/03/2024**
Customer's Ref. : **PO No -2110003079
DATED 09.12.2023**

NOISE LEVEL MONITORING REPORT

Sampling Date : **13/03/2024**
Test Method : **IS 9876 / IS 9989**
Sampling Location : **As per table**
Sampling By : **Pollucon Laboratories Pvt. Ltd.**
Protocol (purpose) : **Environmental Monitoring**

RESULT TABLE

SR. NO.	NAME OF THE LOCATION	NOISE OBSERVATIONS	
		DAY TIME dB(A)	NIGHT TIME dB(A)
1	Near Malara	54.7	49.9
2	Near Mithamhal	55.1	52.3
3	Near DB	60.4	56.5
4	Near Analyser	58.2	54.1
LIMIT**		75 dB(A)	70 dB(A)

**Limit as per the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.
Day time shall mean from 6.00 a.m. to 10.00 p.m.
Night time shall mean from 10.00 p.m. to 6.00 a.m.

**H. T. Shah
Lab. Manager**

**Dr. Arun Bajpai
Lab Manager (Q)**

Note: This report is subject to terms & conditions mentioned overleaf.

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- GPCB Approved Schedule II Auditor
- ISO 14001
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- ISO 9001
- Food & Drug Control Administration [FDA]-Gujarat



SAFETY, HEALTH AND ENVIRONMENT POLICY TARGET ZERO HARM

Tata Chemicals aspires to be leader in the industry by conducting all its activities in a manner that is protective of the environment and in ensuring the health & safety of its employees, contractors, visitors and the community around which it operates. These include activities across all manufacturing locations, mines, offices, research laboratories and supply chain partners.

To fulfill this commitment, we strive to:

- Achieve ZERO HARM by following world class standards of SHE management systems, Responsible care codes, Process safety management, Good asset management, enhancement strategies for the environmental improvements and prevention of pollution for sustainable development
- Enhance Safety, Health and Environment (SHE) awareness, competency and responsibility among all work levels of employees and associated stakeholders including contractor/transport personnel, valued customers through effective participation, consultation, communication and training to achieve ZERO HARM – Zero Harm to People, Zero Harm to Assets and Zero Harm to Environment
- Comply and endeavour to exceed with all applicable Safety, Health and Environmental laws, regulations and other requirements to set highest standards by adopting benchmark practices as part of continual improvement
- Integrate SHE considerations into business planning and decision making to give priority in implementation of SHE protection measures over economic considerations
- Embody principles of product stewardship by enhancing health, safety, environmental and social impacts of products and services across their lifecycles
- Proactively identify and mitigate our risks through risk assessment, process improvements, periodic SHE audits, investigation of all workplace & process safety incidents and illnesses
- Make SHE performance an important parameter that would govern key decisions around employee life cycle or continued business relations as applicable
- Increase stakeholder value through SHE excellence

This policy shall be periodically reviewed in order to ensure its alignment to the business and all applicable regulatory requirements and shall be communicated to all concerned and on request be made available to the public as well.

A handwritten signature in black ink, appearing to read "R Mukundan", written over a horizontal line.

R Mukundan
Managing Director

Date: 12th May, 2022