

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Expansion of Soda Ash Plant and Captive Power Plant by M/s. Tata Chemicals Ltd. at villages Mithapur and Surajkaradi, Taluka Dwarka, District Devbhumi Dwarka (Gujarat)		
Name of Entity / Corporate Office	M/s. Tata Chemicals Limited		
Village(s)	N/A		
District	DEVBHUMI DWARKA		
Proposal No.	1A/GJ/IND2/53444/2016	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	GUJARAT	Entity's PAN	*****4059M
MoEF File No.	J-11011/140/2016 - IA II(I)	Entity name as per PAN	Tata Chemicals Limited

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office M/s. Tata Chemicals Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	231	231
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	231	231

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Power	MW	11/08/2027	125	58	125
2	Soda Ash	Others:MT/Year	11/08/2027	1316000	752814	1316000

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	Total existing water requirement from Sea is 276000 cum/day. No additional fresh water/Sea water shall be required for proposed expansion.
<p>PPs Submission: Complied</p> <p>Total water requirement from sea is well within 276000 M3/day. No additional fresh/sea water is required for expansion project beyond this granted capacity.</p>		Date: 23/11/2024
2	Statutory compliance	The environmental clearance shall be subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife, as applicable.
<p>PPs Submission: Complied</p> <p>There is no notified area falls in existing plant premises wherein expansion is being done; hence clearance from the standing committee of the National Board for Wildlife is not applicable. However, the treated waste water discharge system is passing through notified Marine Sanctuary for which NBWL clearance has been obtained vide letter no. WLP/32/B/1813-18/2017-18 dated 01.06.2017.</p>		Date: 23/11/2024
3	Statutory compliance	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
<p>PPs Submission: Complied</p> <p>Company has obtained Authorization as per Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 from Gujarat Pollution Control Board vide CCA order no. AWH - 129468 dated 04.10.2023 (valid up to 11.08.2027) including expansion activities.</p>		Date: 23/11/2024
4	AIR QUALITY MONITORING AND PRESERVATION	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
<p>PPs Submission: Complied</p> <p>National Emission Standards for Organic Chemicals Manufacturing Industry are not applicable; as the proposed expansion is in Soda Ash (Inorganic Industry) production capacity and Captive Co-generation thermal power plant. Company has submitted clarification letter to MoEFCC, New Delhi vide TCL letter No. A/WG/294-A/2019 dated 12.07.2019.</p>		Date: 23/11/2024
5	AIR QUALITY MONITORING AND PRESERVATION	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
<p>PPs Submission: Complied</p> <p>To control source emissions, adequate air pollution control equipment have been installed and for control of fugitive emissions, Bag filters have been provided at transfer points.</p>		Date: 23/11/2024
6	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
<p>PPs Submission: Complied</p> <p>Process Effluent/ wastewater is conveyed through closed pipelines (from filtration plant to settling ponds). Final treated waste water is mixed with spent sea water and discharged into Sea as per</p>		Date: 23/11/2024

prescribed norms. The storm water from the premises is collected and discharged through separate spent sea water conveyance system.		
7	Statutory compliance	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
PPs Submission: Complied 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 been obtained from Gujarat Pollution Control Board vide consent no. AWH - 129468 dated 04.10.2023 (valid up to 11.08.2027).		Date: 23/11/2024
8	WASTE MANAGEMENT	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
PPs Submission: Complied Hazardous Chemicals are stored in tanks in designated area. Safety and Fire management system is in place.		Date: 23/11/2024
9	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF
PPs Submission: Complied Not applicable as the manufacturing process (Inorganic) of Soda Ash does not generate organic residue and spent carbon. Effluent solids from Soda ash manufacturing process are filtered and utilised in Cement plant and construction of bunds in settling ponds and greenbelt development. Company has submitted clarification vide TCL letter No A/WG/294-A/2019 dated 12.07.2019.		Date: 23/11/2024
10	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
PPs Submission: Complied The company is complying with the rules and guidelines under Manufacture, Storage and Import of hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals is being done as per the Motor Vehicle Act (MVA), 1989.		Date: 23/11/2024
11	AIR QUALITY MONITORING AND PRESERVATION	Fly ash should be stored separately as per CPCB guidelines so that it may not adversely affect the air quality. Direct exposure of workers to fly ash & dust should be avoided.
PPs Submission: Complied Fly Ash is stored in Silos and handled pneumatically; so, there is no direct exposure of workers to fly ash and dust. However, workers working in fly ash loading/handling area are provided with PPEs. Fly ash is transported in Closed Bulker/ covered vehicles for utilisation in cement plant and supply to brick manufacturers.		Date: 23/11/2024
12	WASTE MANAGEMENT	The company shall undertake waste minimization measures as below: - (i) Metering and control of quantities of active ingredients to minimize waste. (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (iii) Use of automated filling to minimize spillage. (iv) Use of Close Feed system into batch reactors. (v) Venting equipment through vapour recovery system (vi) Use of high-pressure hoses for equipment clearing to

		reduce wastewater generation	
<p>PPs Submission: Complied</p> <p>Company has implemented integrated waste management practices for utilisation of waste in cement manufacturing. Following practices are in place for waste minimisation: 1. Metering and Control of quantities 2. Reuse of undersize limestone, Effluent Solids and Fly ash 3. Automated filling system- Fly ash handling 4. Closed Feed system- Coal Charging system and Soda Ash manufacturing 5. Ammonia still process- Recovery of ammonia and recycle into same process</p>			Date: 23/11/2024
13	GREENBELT	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	
<p>PPs Submission: Complied</p> <p>Greenbelt has been developed as per Environment Management Plan (EMP) given in EIA report.</p>			Date: 23/11/2024
14	PUBLIC HEARING	All the commitments made to the public during public hearing/consultation shall be satisfactorily implemented.	
<p>PPs Submission: Complied</p> <p>Tata Chemicals Society for Rural Development has been working for CSR activities. TCSRDS Programmes: A.Building Economic Capital Farm Based Livelihood (Unnati): 1)Agriculture Development 2)Livestock Management 3)Centre For Sustainable Agriculture and Farm Excellence (C-SAFE) Non-Farm Based Livelihood a)Skill Training Programme (Badte Kadam) b)Cluster and Rural Enterprise Development Programme c)Okhai Centre For Empowerment B.Ensuring Environmental Integrity Natural Resource Management 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) C.Enablers for Sustainable Development 1)Education (Shiksha Maitree) 2)Health and Nutrition 3)Drinking Water and Sanitation D.Building Social Capital 1)Women Empowerment 2)Community-Based Organisations (CBOs) 3)Institution Building 4)Reducing Inequality Of Marginalised Communities Through Armative Action E.Employee Volunteering Annual Report of TCSRSD is published with details on project implementation.</p>			Date: 23/11/2024
15	Corporate Environmental Responsibility	At least 0.25% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	
<p>PPs Submission: Complied</p> <p>0.25 percent 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. Details of the expenditures are published in TCSRSD annual reports.</p>			Date: 23/11/2024
16	AIR QUALITY MONITORING AND PRESERVATION	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	
<p>PPs Submission: Complied</p> <p>Emission limits and the stack height are in conformity with the prescribed norms. Acoustic enclosures are provided for controlling the noise pollution. However, D.G. Sets are only for emergency start up</p>			Date: 23/11/2024
17	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	

<p>PPs Submission: Complied Fire prevention and control System is in place as a part of Emergency Plan</p>		<p>Date: 23/11/2024</p>
18	Risk Mitigation and Disaster Management	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
<p>PPs Submission: Complied TCL has established procedures and formats as per ISO 45001:2018 for occupational health management system (QSW-730-GEN-11). Pre-employment, periodic and exit medical examination is being conducted for employees and 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 available for round the clock basis with the dedicated driver</p>		<p>Date: 23/11/2024</p>
19	AIR QUALITY MONITORING AND PRESERVATION	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
<p>PPs Submission: Complied Online monitoring system has been installed as per CPCB guidelines. The system is connected to CPCB and GPCB server.</p>		<p>Date: 23/11/2024</p>
<p>General Conditions</p>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.
<p>PPs Submission: Complied The Company adheres to the stipulations made by GPCB</p>		<p>Date: 23/11/2024</p>
2	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
<p>PPs Submission: Complied No further Expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.</p>		<p>Date: 23/11/2024</p>
3	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
<p>PPs Submission: Complied AAQ monitoring is conducted in locations selected as per CPCB guidelines (by NABL Lab) and in consultation with the GPCB. 1. Manual Ambient Air Quality Monitoring Stations. 2. Continuous Ambient Air Quality Monitoring Stations It has been ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are</p>		<p>Date: 23/11/2024</p>

anticipated.		
4	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
PPs Submission: Complied Ambient Noise Levels around the plant area conform to the prescribed standards. Adequate noise control measures are provided.		Date: 23/11/2024
5	WATER QUALITY MONITORING AND PRESERVATION	The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.
PPs Submission: Complied Company has existing rainwater harvesting facilities in township area.		Date: 23/11/2024
6	Risk Mitigation and Disaster Management	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.
PPs Submission: Complied Company has established process for training on Safety and health aspects of chemicals handling and periodical medical examinations are conducted as per schedule.		Date: 23/11/2024
7	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.
PPs Submission: Complied Company is complying with the environmental management program (EIA/EMP).		Date: 23/11/2024
8	Corporate Environmental Responsibility	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also, eco-developmental measures shall be undertaken for overall improvement of the environment.
PPs Submission: Complied Tata Chemicals Society for Rural Development is working for CSR activities.		Date: 23/11/2024
9	MISCELLANEOUS	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
PPs Submission: Complied Environmental Management Cell is equipped with full-fledged laboratory facilities and conducts the Environmental Monitoring for the prescribed parameters.		Date: 25/11/2024
10	MISCELLANEOUS	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well

		as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
PPs Submission: Complied Company has earmarked sufficient funds to implement the environment management program		Date: 25/11/2024
11	Statutory compliance	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.
PPs Submission: Complied 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		Date: 25/11/2024
12	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company
PPs Submission: Complied Six- monthly compliance report is submitted along with results of monitored data.		Date: 25/11/2024
13	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF&CC by e-mail.
PPs Submission: Complied Environment Statement (Form-V) is submitted to the GPCB and copy of the same is uploaded on Company's Web portal. Copy of the Form-V and status of compliance of environmental clearance conditions are being submitted to Regional offices of MoEF&CC by e-mail		Date: 25/11/2024
14	Statutory compliance	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.
PPs Submission: Complied Advertisement has been published in News Papers. Copies of the advertisements have been submitted to the Ministry.		Date: 25/11/2024
15	Statutory compliance	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is

installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

PPs Submission: Complied

AAQ monitoring is conducted in locations selected as per CPCB guidelines (by NABL Lab) and in consultation with the GPCB. 1. Manual Ambient Air Quality Monitoring Stations. 2. Continuous Ambient Air Quality Monitoring Stations It has been ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

Date:
25/11/2024

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.