

Half Yearly Compliance Report**2024****01 Jun(01 Oct - 31 Mar)****Acknowledgment**

Proposal Name	Expansion of existing production facilities for Cold Rolled Coils & Sheets (from 210000 to 300000 TPA), Hot Rolled Pickled Skin Passed Coils (from 90000 to 150000 TPA) and Addition of new facility for Hot Rolled Pickled Galvanized Coils (820000 TPA) located at Plot No S-76, MIDC Tarapur Industrial Area, Po-MIDC Boisar, Tehsil- Palghar, District- Palghar, Maharashtra 401506 by M/s. Tata Steel Limited CRC West		
Name of Entity / Corporate Office	M/s. Tata Steel Limited CRC West		
Village(s)	Kolawae		
District	PALGHAR		
Proposal No.	SIA/MH/IND1/421300/2023	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	Plot No S-76	Sub-District	Palghar
State	MAHARASHTRA	Entity's PAN	NA
MoEF File No.	SIA/MH/IND1/421300/2023	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Submitting herewith first six monthly EC compliance report after grant of Environmental Clearance from SEIAA, Maharashtra on dated 15.12.2023.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office M/s. Tata Steel Limited CRC West

	Project Area as per EC Granted	Annual Project Area in Possession
Private	10.09	10.09
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	10.09	10.09

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cold Rolled Coils & Sheets	Tons per Annum (TPA)	28/02/2024	300000	209818	210000
2	Hot Rolled Pickled Skin Passed Coils	Tons per Annum (TPA)	28/02/2024	150000	88945	90000
3	Hot Rolled Pickled Galvanized Coils	Tons per Annum (TPA)	N/A	820000	-	-

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	PP to ensure compliance to all conditions stipulated in the CEPI guidelines.
<p>PPs Submission: Being Complied Compliance to CEPI guidelines are already submitted to SEAC. And will be implemented during the expansion project. The status of same is attached here as Annexure - IV</p>		Date: 05/06/2024
2	Risk Mitigation and Disaster Management	PP to carry out detailed Quantitative Risk Assessment and submit report along with proposed mitigation measures and include it in the Disaster Management Plan.
<p>PPs Submission: Being Complied • Quantitative Risk Assessment has been carried out for existing plant operations. The proposed mitigation measures are included it in the Disaster Management Plan. Both reports are submitted to DISH office. Copy enclosed as Annexure – V • It will be ensured for proposed expansion project as well.</p>		Date: 05/06/2024
3	GREENBELT	It was observed that, PP proposing the new buildings on the open area available within the plot area and proposes to provide only 21.3 % (2.15 Ha) green belt within plot boundary out of mandatory 40% Green belt (4.10 Ha) and deficit 22.4 % (2.26 Ha) is proposed in their residential colony area which is about 5.4 km from proposed project site. In view of significant impact the PP is creating at its current plot, adoption of Nature Based Solutions for green belt area should be kept as a principle of development and ecology preservation.
<p>PPs Submission: Being Complied • There are nearly 2500 no of sapling existing Inside TSL CRC West Plant, plot no S -76. • 6000 no. of saplings are planted at TSL housing Colony In May 2024. • 200 Trees are planted in Kolwade village. (plant surrounding area) • During monsoon season of 2024, there is a plan of planting 900 trees adjacent to boundary wall of plant for which MIDC approval has already being achieved.(enclosed as Annexure - I) • Total 7100 no. of saplings will be planted in 2024. • Tree plantation is being done on the Nature Based solutions. (MIYAKAI Method) of tree plantation is adapted In Housing colony area.</p>		Date: 05/06/2024
4	GREENBELT	PP has obtained plan approval from MIDC dated 17.06.2023 and as

		per the plan their plot area is 10.09 Ha and they have proposed green belt 2.845 ha i.e. 28.14% of total plot area. PP further undertaking dated 02.08.2023 stating that , they will develop green belt of 2.26 Ha on their land i.e. TSL Housing Colony. Total green will be 5.10Ha. i.e., 50.54 % of total area. MIDC to ensure the compliance of the same.
<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> • The copy of the Affidavit is on Green coverage declaration is enclosed as Annexure X. • Compliance to this is achieved as, per details of tree plantation given in compliance to SEAC Condition no 1 • 6000 no. of saplings are planted at TSL housing Colony In May 2024. • During monsoon season of FY25, there is a plan of planting 900 trees adjacent to boundary wall of plant for which MIDC approval has already being achieved. • Total 6900 no. of saplings will be planted in FY25. 		Date: 05/06/2024
5	Corporate Environmental Responsibility	The proposed site is in principle adequate however, the PP should set up Nature Based Solution Demonstration Centre along with Tinkering Lab, where students, researchers, farmers and others can come and learn the tools and techniques. This Should be undertaken in partnership with institutions such as IITs and NGOs.
<p>PPs Submission: Being Complied</p> <p>The detail project report preparation is in progress under the guidance from experts from IIT and NGO to set up Nature Based Solution Demonstration Centre along with Tinkering Lab till Dec 2026.</p>		Date: 05/06/2024
6	Corporate Environmental Responsibility	PP to use CER to support within its own plot also, the concept of green nature based solution for the environmental issues on site where it should be shown to the students people the role of trees in air/noise pollution management, role of soil nature, water as per response of 7th September by CRC on this subject, tarapur.
<p>PPs Submission: Agreed to Comply</p> <p>Will be complied after the implementation of Nature based solution Lab.</p>		Date: 05/06/2024
7	WATER QUALITY MONITORING AND PRESERVATION	PP to provide sewage treatment plant for the treatment of domestic sewage generated on site.
<p>PPs Submission: Being Complied</p> <p>Existing Sewage Treatment Plant is adequate for treatment of current domestic waste water generation (20 KLD). Treated water STP is used for maintaining the green belt in the plant. ZLD condition is being maintained. The proposed expansion of sewage treatment plant (35 KLD) will be done simultaneously with proposed expansion project.</p>		Date: 05/06/2024
8	MISCELLANEOUS	PP proposes parking outside the plot boundary on another plot a distance of 600 meters from the proposed project site. PP to ensure to provide adequate space for parking of all types of vehicles including external vehicles carrying raw material and finished products. No vehicles shall be parked on the public road
<p>PPs Submission: Complied</p> <ul style="list-style-type: none"> • The Traffic management Plan is being followed to ensure smooth traffic movement of trucks carrying raw material and finished products. • It is being ensured that no vehicle is parked on public road. • To ensure smooth traffic due to proposed expansion project, TSL CRC West has proposed the provision for parking of 95 trucks in our TSL own plant which is away from the existing plant in MIDC at plot no. F - 7/1. This facility will be used exclusively as Buffer parking place. layout enclosed as Annexure – IX 		Date: 05/06/2024
9	Risk Mitigation and Disaster Management	PP to ensure to prepare and implement On-site and Off-Site emergency handling plan. The plan shall be prepared based in the Job

		Safety Analysis, Risk Assessment etc. Required training to all employees be provided on the emergency handling plans.
	<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> Onsite and Offsite Emergency Handling plan has been prepared based on the Job safety analysis and Risk assessment and submitted to DISH office on Feb 2024 enclosed as Annexure- V Regular training is provided to emergency response teams and other employees as well. Necessary compliances to this plan are being maintained. Regular mock drills are conducted and reports are submitted as per guidelines. 	Date: 05/06/2024
10	Risk Mitigation and Disaster Management	PP to deploy well trained regular employees on all critical/hazardous operations and storages of hazardous chemicals instead of contract workers. Regular safety training to be provided to all such employees.
	<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> At the start of proposed project it will be ensured that skilled company employees will be deployed. On all critical / hazardous operations and storages of hazardous chemicals instead of contract workers. Necessary training before employment and regular safety training on SOPs is given. Existing employees training and refresher training records are attached in Annexure - VI 	Date: 05/06/2024
11	WATER QUALITY MONITORING AND PRESERVATION	PP to complete rain water harvesting facility before the commission of the manufacturing activity.
	<p>PPs Submission: Being Complied</p> <p>Rainwater harvesting provisions are made for existing plant sheds, the collected water is used as industrial cooling, Firefighting etc. However necessary arrangement will be done for rain water harvesting in proposed expansion project plant.</p>	Date: 05/06/2024
12	Risk Mitigation and Disaster Management	PP to ensure transport, storage, handling and use of the flammable /toxic chemicals as per conditions stipulated in License/Approval of the Petroleum & Explosive Safety Organization (PESO)
	<p>PPs Submission: Complied</p> <p>Necessary approvals are obtained for storage of LIQUID Nitrogen storage License no – S/WC/MH/03/671(S106361), and Hydrogen Gas (H2) License No S/HO/MH/03/988(S26540). Copy of both licenses is enclosed as Annexure XIII.</p>	Date: 05/06/2024
13	ENERGY PRESERVATION MEASURES	PP to provide solar energy for illumination of Administrative Building, Street Lights and parking area.
	<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> The project purchase solar power of 7149260 KWH in FY 24 as TSL CRC West, Tarapur which is being used for illumination of Administrative Buildings, streetlights, parking areas along with other purposes. Solar energy operated lights will be provided for illumination of Admin Building. Streetlights etc. during expansion project. 	Date: 05/06/2024
14	WATER QUALITY MONITORING AND PRESERVATION	PP to ensure that, proposed project is ZLD unit.
	<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> TSL CRC West unit is ZLD since last 6 years. ZLD conditions has been maintained. TSL CRC West is a ZLD unit since last 6 Years. 340 KLD industrial wastewater is generated through process such as rinsing water from cleaning, pickling which is being treated in ETP of 350 KLD followed by RO Plant. The treated water has been used for industrial cooling purpose. And The solid waste of RO rejects and generated sludge is send to Mumbai waste management plant for disposal. ZLD conditions will maintained in proposed expansion project also. 	Date: 05/06/2024

15	WATER QUALITY MONITORING AND PRESERVATION	PP proposes to provide Zero Liquid Discharge Effluent Treatment plant. PP to get the design of ETP vetted by the reputed Govt. institute like IIT/NIT etc. before commissioning of the proposed expansion activity.
<p>PPs Submission: Being Complied</p> <p>• TSL CRC West is a ZLD unit since last 6 Years. 340 KLD industrial wastewater is generated through process such as rinsing water from cleaning, pickling which is being treated in ETP of 350 KLD followed by RO Plant. The treated water has been used for industrial cooling purpose. And The solid waste of RO rejects and generated sludge is send to Mumbai waste management plant for disposal. • During Expansion project it is proposed to enhance the capacity of ETP & RO plant. The design & engineering is in progress, once it is finalised it will be vetted by reputed Govt. institute like IIT/NIT etc.</p>		Date: 05/06/2024
16	ENERGY PRESERVATION MEASURES	PP to submit details of proposed solar power use envisaged in the project along with cost estimations.
<p>PPs Submission: Being Complied</p> <p>Tata Steel purchases solar power through open access which replaces the conventional usage of power. In FY24 total 7149260 KWH power has been used from Solar power. In FY25 there is a target in increasing the usage of solar power by 15% considering the cost of power. Provision of lighting arrangements operating on Solar energy will be done as per CER Budget plan. (enclosed as Annexure – II)</p>		Date: 05/06/2024
17	MISCELLANEOUS	PP to prepare chemical compatibility chart of all chemicals handled, Stored on site and ensure its storage / handling as per compatibility.
<p>PPs Submission: Complied</p> <p>The Chemical compatibility chart of all chemicals handled at site is enclosed as Annexure VII</p>		Date: 05/06/2024
18	AIR QUALITY MONITORING AND PRESERVATION	PP to provide continuous Online Monitoring System connected to the servers of CPCB and MPCB. PP to include VOCs monitoring in the scheduled ambient air monitoring plan.
<p>PPs Submission: Being Complied</p> <p>• Continuous online monitoring systems (CEMS) are provided to the stacks and data connected with MPCB and CPCB servers. Likewise, adequate facilities will also be provided at proposed expansion project. • Environment monitoring test reports are enclosed in Annexure VIII. • Presently VOCs are not used, stored, or Handled in the TSL CRC west. • However VOC's monitoring has been scheduled in quarterly AAQ monitoring plan.</p>		Date: 05/06/2024
19	Corporate Environmental Responsibility	PP to utilize CER funds for the development of public infrastructure in the vicinity of the project area in consultation with the District Administration, A proper CER plan to be prepared and shared with the committee / authority.
<p>PPs Submission: Being Complied</p> <p>The CER which was presented to SEAC for recommendation for EC is in place. The same is in implementation stage. few highlights of CER are listed below. • The CER expenditure will be started simultaneously along with the start of implementation of the project on ground. • We herewith undertake to complete the CER works within 3 years from the date of start of implementation of proposed expansion project. • The details timeline with physical works is provided in CER action plan as Annexure - II.</p>		Date: 05/06/2024
20	GREENBELT	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt Of Maharashtra circular no Sa VaVi-2019/C.R.3/F-11, dated 25th June 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts/arborist.

<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> • The species being planted are as per suggested in the condition. (Examples are : Karanj, Arica Palm, Mahagoney, Conocarpus, Juniperious, Kanel, Hibicus, Tecoma, Bottel brush, Arjun, Putranjiva, Ashoka, Juniperus, Baniyan, Neem, etc. • The plantation is being done under the guidance of Miyawaki technique Expert. • Timelines given in presentation to SEIAA committee are complied. 		Date: 05/06/2024
21	WASTE MANAGEMENT	PP to strictly observe the Hazardous and Other wastes (Management and Trans Boundary Movement) Rules, 2016 as amended time to time.
<p>PPs Submission: Complied</p> <ul style="list-style-type: none"> • Trans boundary Movement of hazardous waste is not applicable as no such activity is done by TSL CRC west. • The Hazardous Waste generation, disposal and maintenance being done as per HZW and other Waste Management Rule 2016. All the CTO conditions are complied. • Quantity of Hazardous waste is given in Form V. Enclosed as Annexure – XII 		Date: 05/06/2024
22	Risk Mitigation and Disaster Management	PP to ensure storage of chemicals as per the Manufacturer, Storage and Import of Hazardous Chemical Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
<p>PPs Submission: Complied</p> <ul style="list-style-type: none"> • TSL CRC west has achieved is accident free 10 Years. (Zero Reportable Accidents) • All the requirements related to storage & Handling of chemicals are compiled as per Manufacture, Storage and Import of Hazardous Chemical Rules 1989. 		Date: 05/06/2024
23	Statutory compliance	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all conditions stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendations of the Audit.
<p>PPs Submission: Complied</p> <ul style="list-style-type: none"> • The Proposed Plant layout is Approved by Joint Director. DISH, document Reference no 12900000024860 dated 29/06/2021 is enclosed as Annexure - XIV • and factory license no :10032457 Regd. number 12900241050T-00 issued by DISH dated 14/11/2023 has been issued valid up to 31st December 2028. enclosed as Annexure XV • The safety audit conducted by competent party in July 2023 and compliance report submitted to DISH is enclosed as Annexure XVI. 		Date: 05/06/2024
24	MISCELLANEOUS	PP to ensure use of briquette/bio-coal/pellets/or and such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50% of the total fuel requirement to the boiler.
<p>PPs Submission: Not Complied</p> <ul style="list-style-type: none"> • This condition is not applicable to TSL CRC west because only PNG is used as a fuel in the factory as per Process requirements. (Except - HSD is used as fuel for The DG set which is used in case for emergency lighting only.) 		Date: 05/06/2024
25	AIR QUALITY MONITORING AND PRESERVATION	PP to identify all sources of Fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
<p>PPs Submission: Being Complied</p> <ul style="list-style-type: none"> • Noted and is being complied. • All the roads inside plant are paved. To prevent dust generation. • All the necessary provisions will be done to prevent dust generation during construction phase of 		Date: 05/06/2024

proposed expansion project.		
26	GREENBELT	PP to relook into the plan to conserve the trees; if Not possible PP to obtain the tree cutting permission from the competent authority before starting any work on site.
PPs Submission: Being Complied 450 No of trees are replanted out of which 65 % are success rate. However necessary tree cutting permission from competent authority is obtained. Before start of any work on site. Attached as Annexure – III.		Date: 05/06/2024
27	WATER QUALITY MONITORING AND PRESERVATION	PP to provide roof top rain water harvesting facility.
PPs Submission: Being Complied • Rainwater harvesting provisions are made for existing plant sheds, The rain water from roof is collected in artificial tanks, and the collected water is used as industrial cooling, Firefighting etc. • Similar arrangement for roof water collection will be done in proposed expansion project plant also.		Date: 05/06/2024
28	WASTE MANAGEMENT	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
PPs Submission: Complied • All the CTO conditions related to solid waste Management are complied. • The solid wastes such as metal scrap and wooden scrap generated within plant are disposed through auction process to authorised party. • HDPE Plastic packing material is sold to authorised recyclers. Form V is enclosed as Annexure XII		Date: 05/06/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Project Proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of the issue of this letter, informing that the project had been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board website of the company and may also be seen at Website at http://parivesh.nis.in
PPs Submission: Complied • EC published in 2 newspaper on 15 January 2024 : i) Marathi Lok Shakta : Mumbai edition and ii) English Indian Express : Mumbai Edition. enclosed as Annexure XVIII. • Communicated the EC copies to MPCB in online portal, screen shot enclosed as Annexure XVIII. • The EC published in the company website vide Link 4-ec_crc-west.pdf (tatasteel.com)		Date: 05/06/2024
2	WATER QUALITY MONITORING AND PRESERVATION	Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the MPCB.
PPs Submission: Being Complied To carry out the ground water monitoring by credible Government institute, Tata Steel is seeking the permission from MIDC. Post receiving the permission from MIDC, Monitoring and analysis will be done by government approved agency and the report will be submitted to MPCB.		Date: 05/06/2024

3	Noise Monitoring & Prevention	The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
PPs Submission: Being Complied Overall noise levels are within the limit. Regular noise monitoring is being done by 3rd party. Adequate noise control measure like noise Acoustic Enclosure for DG set, providing proper PPEs like ear plug / muff etc. being provided to the employees who are exposed to high noise level.		Date: 05/06/2024
4	WATER QUALITY MONITORING AND PRESERVATION	PP to Provide separate drains for storm water and effluent and ensure that the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain
PPs Submission: Complied TSL CRC West is ZLD unit. Separate rain water drains are provided. Condition complied as per the conditions.		Date: 05/06/2024
5	Statutory compliance	PP to scrupulously follow the requirement of Maharashtra Factories Act 1948 and rules 1963 as amended from time to time
PPs Submission: Complied Complied as per the conditions. On line compliance monitoring system is followed. 100 % compliances achieved to applicable tasks related to The Factory Act & Maharashtra Factories Reules.		Date: 05/06/2024
6	Statutory compliance	The Project Proponent shall upload the status of compliance (Soft copies) of the conditions stipulated Environmental clearance letter including monitoring data of air, water, soil noise etc on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Control Board, SEIAA and Regional office of MOEF&CC at Nagpur, on 1st June and 1st December of each calendar year.
PPs Submission: Being Complied • The Environment clearance for TSL CRC West has been received EC Identification No EC23B008MH178573 on 15 December 2023. The compliance for the period of January 2024 to March 2024 will be submitted to the Parivesh Portal by 1st June 2024. • The copy of the compliance report will be available at company's website www.tatasteel.com (Home-Sustainability-Environment-Environment Management-Compliance)		Date: 05/06/2024
7	Statutory compliance	A separate Environment Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards
PPs Submission: Complied • Environment Management Cell has been formed with suitable hierarchy. The same is enclosed as Annexure XIX.		Date: 05/06/2024
8	Risk Mitigation and Disaster Management	In the event of failure of any pollution control equipment the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained
PPs Submission: Agreed to Comply Will ensure and comply the same whenever the event occurs.		Date: 05/06/2024
9	Statutory compliance	A separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and

		specific time line for its completion. The cost shall be included as part of the project cost. The fund earmarked for the environmental protection measures shall not be diverted for other purpose and year wise expenditure should be reported to the MPCB and the SEIAA.
PPs Submission: Being Complied The Environment Management plan is in place. The same will be followed. Enclosed as Annexure - XVII		Date: 05/06/2024
10	Statutory compliance	PP to strictly follow conditions stipulated in the Consent of Establish / Operate issued by the Maharashtra Pollution Control Board.
PPs Submission: Being Complied All the conditions stipulated in the CTE/CTO are being complied. and regular submit the compliance reports to MPCB.		Date: 05/06/2024
11	Risk Mitigation and Disaster Management	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
PPs Submission: Being Complied The plant is cold Rolling process and is operating with PNG. No gas / highly flammable liquid is being used or stored within the plant premises for any purpose. Regular safety training, awareness programs, safety line walks, audits etc. being carried out by all employees including contractual employees.		Date: 05/06/2024
12	Statutory compliance	The Environmental Statement for each financial year ending on 31st March in form V as is mandated to be submitted by the PP to the concerned Pollution Control Board as prescribed under Environment Protection Rule 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance conditions stipulated in the Environment Clearance letter.
PPs Submission: Complied • The latest Environment Statement (form V) for FY'23 has been submitted to MPCB on 6th September, 2023. The same has been uploaded in the company website also. • The copy of the latest Environment Statement is enclosed as Annexure XII.		Date: 05/06/2024
Visit Remarks		
Last Site Visit Report Date:		03/05/2023
Additional Remarks:		Submitting herewith first six monthly EC compliance report after grant of Environmental Clearance from SEIAA, Maharashtra on dated 15.12.2023. Please note, the CTO renewal application for existing product is submitted on 23.01.2024 & is under process. For expansion project, CTE obtained from MPCB on dated 09.09.2023 but the commissioning of proposed expansion will be started from Nov. 2024.