

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

Acknowledgment

Proposal Name	The proposal is for grant of Environmental Clearance for Cold Rolled Mill Project, at Plot No. C-1, Vile Bhagad MIDC, Tal-Mangaon, District-Raigad, State-Maharashtra. SEAC considered the project under screening category 3(a) & 8 (b) B1 of EIA Notification 2006.		
Name of Entity / Corporate Office	POSCO Maharashtra Steel Pvt. Ltd.		
Village(s)	N/A		
District	RAIGAD		
Proposal No.	SEAC-2011/CR-969/TC2	Category	Industrial Projects - 1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	MAHARASHTRA	Entity's PAN	AAECP9885H
MoEF File No.	SEAC-2011/CR-969/TC2	Entity name as per PAN	POSCO MAHARASHTRA STEEL PRIVATE LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Posco Maharashtra- Cold Rolling Mill Plant (CRM Plant) -Half Yearly Six Monthly Compliance Report (Period October 2023~ March 2024)- Environmental Clearance Conditions. Ref No: SEAC-2011/CR-969/TC2 Dated 26th February 2014 by Environment Dept. Maharashtra.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office POSCO Maharashtra Steel Pvt. Ltd.

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	60.00	60.00

Total	60	60
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Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Cold Rolled Coils	Tons per Annum (TPA)	30/06/2028	1,000,000	745121	1,000,000
2	Full Hard Coils	Tons per Annum (TPA)	30/06/2028	800,000	59958	800,000

Conditions

General Conditions

Sr.No.	Condition Type	Condition Details
1	WATER QUALITY MONITORING AND PRESERVATION	Drinking Water Quality Monitoring Reports.
PPs Submission: Complied Drinking Water Quality Monitoring tested reports by external MoEFCC approved Lab. reports on quarterly basis. (Period from Oct'23~Mar'24).		Date: 29/05/2024
2	MISCELLANEOUS	No addition land shall be used/ acquired for any activity of the project without obtaining proper permission.
PPs Submission: Complied Yes- Complied No additional land used & acquired from project. Only used acquired plot from MIDC.		Date: 29/05/2024
3	Statutory compliance	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in the plant shall be ensured.
PPs Submission: Complied Yes- Complied For controlling fugitive emission development of green belt around periphery of plant area for to control fugitive emission. Also started sprinkling water in to dust area, internal roads for to prevent natural & fugitive emission. Fume Extraction System with wet scrubber, Damper & Stacks are provided (Pickling Exhaust section, TCM, Furnace CAL, Cleaning Section, Acid Recovery Plant, Scale Breaker I & II to control fugitive emission.		Date: 29/05/2024
4	MISCELLANEOUS	Proper Housekeeping programmes shall be implemented.
PPs Submission: Complied Yes- complied. We have separated housekeeping team managed by competent & designated personnel (Separate Agency). Also we have implemented 5S, QSS & with my machine & safety system (MMS).		Date: 29/05/2024
5	MISCELLANEOUS	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.

<p>PPs Submission: Complied Yes- Complied. In case of failure of any pollution control system such as scrubbers, ID fans, exhaust fan, process will stop accordingly. An emergency power supply has given to critical equipments.</p>		<p>Date: 29/05/2024</p>
6	MISCELLANEOUS	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.
<p>PPs Submission: Complied Yes- Complied. Furnace area ventilation is provided. Regarding safety all furnace operation is on SCADA system and various safety interlocks have been provided for safe operation of furnace. Competent supervision. Provided online leak detection devices for to identify gas leakage.</p>		<p>Date: 29/05/2024</p>
7	Statutory compliance	This Environmental Clearance issued subject to Land use verification. Local / planning authority should ensure this with request to rules, regulations, and notifications.
<p>PPs Submission: Complied Industry has located in MIDC Area, At-Vile Bhagad, Tal-Mangaon, Dist- Raigad, Maharashtra, 402308</p>		<p>Date: 29/05/2024</p>
8	Statutory compliance	Obtain Consent to Establish & Operate from Maharashtra Pollution Control Board under Air & Water Act.
<p>PPs Submission: Complied Complied Consent to Establish received from MPCB Consent No – BO/PCI-II/EIC No.RD-1421 -10 /E/CC-128 Date – 11/03/2010. Obtained renewal of Consent to Operate from MPCB No- Format 1.0/CAC/ UAN No:-0000169277/ CR/ 2311000439, Date:06/11/2023, Validity: 30.06.2028 ※MPCB-CTO copy attached here with for your reference.</p>		<p>Date: 29/05/2024</p>
9	Statutory compliance	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant tram DG set.(If applicable).
<p>PPs Submission: Complied Yes- Complied. 30 meter height stack installed for 2000 KVA DG set. D.G. Set-Air Emission Stack reports along with D.G. Set Noise Level Monitoring reports are attached herewith.</p>		<p>Date: 29/05/2024</p>
10	WATER QUALITY MONITORING AND PRESERVATION	Periodical monitoring of ground water shall be undertaken & results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to MPCB.
<p>PPs Submission: Complied Yes - Complied. Periodic monitoring of ground water sample analysis (Nearby Bhagad Village) done by third party MoEFCC approved Lab. Reports are regularly submitted to MPCB. ※Note: All parameter are within Norms.</p>		<p>Date: 29/05/2024</p>
11	Noise Monitoring & Prevention	Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
<p>PPs Submission: Complied Complied. Annexure- IV Ambient Noise Level Monitoring done as per The Environment Protection Act 1986 (Period from Oct'23~Mar'24). Regular Workplace Noise Level Monitoring done as per The Factories Act 1948. (Period from Oct'23~Mar'24). We have monitoring Noise Level through MoEFCC approved lab & ensure it is maintained as per EP Act standard. Earplugs, Ear muffs are provided to all workers for protecting them from Noise.</p>		<p>Date: 29/05/2024</p>
12	MISCELLANEOUS	A detailed scheme for rainwater harvesting shall be prepared and

		implemented to recharge ground water.	
		<p>PPs Submission: Complied Noted & Complied. Annexure- III Installed Rain Water Harvesting system for use of rain water for cooling tower make up which will reduce MIDC water consumption [Capacity of plant: 15~20 KL/Hr]. Rain water Qty – Daily- 80M3, Monthly – 70M3. Total -5600M3 ✖ Monsoon season (June to Sep Every Year).</p>	<p>Date: 29/05/2024</p>
13	AIR QUALITY MONITORING AND PRESERVATION	Regular Monitoring of the Air Quality, including SPM,SO2 levels both in work zone and Ambient Air shall be carried out & maintain record & submit records accordingly to MPCB.	
		<p>PPs Submission: Complied Yes- Complied. Annexure - I Fortnightly Ambient Air Quality Monitoring (AAQM) reports with Composite Reports (Apr'23 to Sep'23). Annexure - II Ack. Copies of Work zone Air & MPCB- Quarterly Statement Reports (Period Oct'23~Mar'24).</p>	<p>Date: 29/05/2024</p>
14	MISCELLANEOUS	Arrangement shall be made that waste water & storm water do not get mixed.	
		<p>PPs Submission: Complied Yes- Complied Separate storm water drain provided. Waste water having separate piping system to ETP. Close tank collection system inside plant shed due to this there is no possibility of mixing storm water.</p>	<p>Date: 29/05/2024</p>
15	WATER QUALITY MONITORING AND PRESERVATION	Treated Waste Quality Monitoring (WWTP) Reports.	
		<p>PPs Submission: Complied Treated Waste Quality Monitoring (WWTP) tested Reports by MPCB Joint Vigilance Sampling (JVS), External MoEFCC approved Lab. Reports & Posco Maharashtra In-House Internal Laboratory testing reports on daily basis. (Period from Oct'23~Mar'24).</p>	<p>Date: 29/05/2024</p>
16	Statutory compliance	The overall Noise level in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all noise generation sources. The ambient noise levels shall confirm to the standards prescribed under Environment Protection Act, 1986 Rules, 1989.	
		<p>PPs Submission: Complied Complied. D.G. Set shall be operated only in case of power failure. Industry has provided acoustic enclosure for control of noise. Regular monitoring shall be done through MoEFCC approved Laboratory to ensure Ambient Noise is within EP Act Standards. Annexure IV Ambient Noise Level Monitoring reports. (Period from Oct'23~Mar'24).</p>	<p>Date: 29/05/2024</p>
17	GREENBELT	Green Belt shall be developed & maintained around the plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of species & in consultation with the local DFO / Agriculture Dept.	
		<p>PPs Submission: Complied Complied. Annexure-V: Green Belt Development done and will continue for further nourishment. Water sprinkler system provided for irrigation of Green Belt Area. Posco Maharashtra had Horticulture contract & employed local manpower in Horticulture for local employment (42 Persons including 3 Supervisors). Monsoon Tree Plantation – Submitted report to MPCB-SRO- Mahad on dated 28th Jun, 2023. [FY: 2022-23]. Maintained total 38% of the available open land under Green coverage/ plantation. Tree Plantation Plan for this year 6000Nos. including 9 Gram Panchayat with</p>	<p>Date: 29/05/2024</p>

28 Villages.		
18	MISCELLANEOUS	Adequate safety measurers shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection & warning.
PPs Submission: Complied Complied. Automatic Beam type protection system and Smoke detectors provided for early detection of fire. Emergency siren provided to give alarm for emergency situation. Advance communication system such as Wally talky, telephone etc made. Mock drills & training given to concern Employee's.		Date: 29/05/2024
19	Human Health Environment	Occupational health surveillance of the worker shall be done on a regular basis and record maintained as per factories act.
PPs Submission: Complied Complied. Established Occupational Health Center as per The Factories Act and 24hrs operational. Pre-employment medical checkup for all staff & worker's done. Ambulance Vehicle available on site 24 hrs. Pre-employment Medical checkup done as & when required. Yearly Medical Health checkup of all employee done & will continue as per schedule. Form No-6 (Fitness certificate) & Form No-7 (Health register) have maintained & will produce to Factory Inspector (as & when required).		Date: 29/05/2024
20	MISCELLANEOUS	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
PPs Submission: Complied Complied. Full Fledge Fire Hydrant System & Fire Sprinkler system network provided. Provided various types of Portable fire extinguishers. Fire Alarm & detection system has been provided.		Date: 29/05/2024
21	Statutory compliance	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
PPs Submission: Complied Complied. Posco Maharashtra had established EHS department, in which Environment Expat coordinator, EHS-HOD, Environment –AGM, Environment –Manager, 2 Environment Field Officers & 4 Environment chemists are appointed for various Environmental sample's testing for In-house water & waste water analysis facility provided to monitor ETP performance on daily basis.		Date: 29/05/2024
22	WASTE MANAGEMENT	The project authorities must strictly comply with the rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous waste (Management, handling & Trans boundary) rules 2010. Authorization from the MPCB shall be obtained for collection/treatment /storage/disposal of hazardous wastes.
PPs Submission: Complied Complied. Regular disposal of hazardous waste to CHWTSDF & MPCB Authorized parties. Regular online submission of Manifest for Hazardous & other Waste Form-10 to MPCB for compliance of The Hazardous & other waste (M & H) Rules 2016. Annual Returns-Hz Waste- Form IV for Financial Year 2022-2023 is submitted on MPCB Portal on 16/06/2023. Annexure-VIA: Ack. copy from MPCB for submission of CRM-Plant Annual Hz Waste (Form IV) for FY: 2022-2023. Annexure-VIB: Submitted Intimation of Hz. waste disposal Form-10 to MPCB SRO office-Mahad. (Period from Oct'23~Mar'24). Annexure -VII: Posco Maharashtra had taken Lifetime Membership from Mumbai Waste Management Ltd Taloja (CHWTSDF) for disposal of Hazardous waste (Membership No – MWML HZW-MHD-3180). Validity: 31/03/2026.		Date: 29/05/2024
23	MISCELLANEOUS	The company shall undertake following Waste Minimization

		Measurers: Metering of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw material substitutes in other process. Maximizing recoveries, Use of automated material transfer system to minimize spillage.
		<p>PPs Submission: Complied</p> <p>Complied. Company has provided Automatic Chemical dosing system to ensure minimum generation of waste. All material transfer system is automated. Loading pumps, dosing pumps. DCS Operation system (HMIS System – Human machine interface) for high quality of product & to avoid excess use of chemicals. Optimization of chemical consumption, waste water generation for reduction in generation of hazardous waste.</p>
		Date: 29/05/2024
24	Risk Mitigation and Disaster Management	Regular Mock drill on onsite emergency management plan shall be carried out. Implementation of changes/ improvements required, if any, in the on-site management plan shall be ensured.
		<p>PPs Submission: Complied</p> <p>Complied. The On-site Emergency Preparedness Plan is prepared as per the guidelines given in Schedule 6 (Rule 12-1) of “The Maharashtra Factories (Control of Industrial Major Accidents Hazards) Rules, 2003” with the objectives that to provide guidance on how to deal with On Site & Off-Site Emergencies, so as to minimize impacts and effects on people, the business and on an environment. On site/off site emergency plans are prepared and are being implemented / upgraded regularly. Regular mock drills & safety trainings (on various topics) have been carried out and will continue as per training plan. Mock drill carried out as per Annual Environmental Plan.</p>
		Date: 29/05/2024
25	Statutory compliance	Project management should submit half yearly compliance report in respect of the stipulated prior environmental clearance terms & conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
		<p>PPs Submission: Complied</p> <p>Complied. Annexure -XA: Ack. copies of Half Yearly Report (Period Apr’23~Sep’23) Compliance of Environmental Clearance Conditions submitted on 20/11/2023 to The Secretary, Environment dept. Mumbai, MoEFCC & Climate change, Integrated RO-office, Nagpur, The Zonal officer-CPCB, Parivesh Bhavan, Vadodara-Gujarat & MPCB (SRO & RO Office)-By mail on dtd 20.11.2023. Annexure -XB: Ack. copy of submitted Half Yearly Compliance report on dtd. 20th Nov’23 & Ack. copy of Submitted MPCB-Environment Self Audit Report [Period from Apr’23~Mar’24].</p>
		Date: 29/05/2024
26	MISCELLANEOUS	Transportation of ash will be through closed containers and all measurers should be taken to prevent spilling of the ash.
		<p>PPs Submission: Complied</p> <p>Not applicable Company will use Piped Natural Gas for fuel source. There is no generation of ash.</p>
		Date: 29/05/2024
27	MISCELLANEOUS	Separate silos will be provided for collecting and storing bottom ash & fly ash.
		<p>PPs Submission: Complied</p> <p>Not applicable.</p>
		Date: 29/05/2024
28	Statutory compliance	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance & copies of clearance letter are available with the MPCB & may also be seen at Website at http://ec.maharashtra.gov.in

<p>PPs Submission: Complied Yes Complied Advertise given in Local newspaper – Mumbai Sakal (for Marathi Language) & In DNA (for English Language). Annexure-IX- Published copy of advertise dated 14th March 2014</p>		<p>Date: 29/05/2024</p>
29	<p>AIR QUALITY MONITORING AND PRESERVATION</p>	<p>The project proponent shall upload the status of compliance of the stipulated EC conditions, including result of monitoring data on their website & shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB. The criteria pollutant levels namely SPM, RSPM, SO2, NOX (ambient levels as well as stack emission)/ critical sectoral parameters, indicated for the project shall be monitored & displayed at a convenient location near the main gate of the company in public domain.</p>
<p>PPs Submission: Complied Complied. Uploaded the status of compliance of the stipulated EC conditions, including result of monitoring data on company website & review the same periodically. Ambient Air Monitoring done as per NAAQS standards. Regular Stack Monitoring done as per annual Environmental Monitoring Plan. Display board has been provided at near to main gate & outside main gate. Provided three AAQM monitoring stations for monitoring of Ambient Air Quality. Annexure- XI: CRM Plant-Stack Emission Monitoring Reports as per NAQQM 2009 (Period Apr~Sep'23). Annexure-XII:MPCB Awarded Five Star Rating for Stack TPM Emission in Star Rating Programme.</p>		<p>Date: 29/05/2024</p>
30	<p>Statutory compliance</p>	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including result of monitored data (Both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB.</p>
<p>PPs Submission: Complied Complied. Annexure XA: Ack. copies of Half Yearly Report (Period Apr'23~Sep'23) Compliance of Environmental Clearance Conditions submitted on 20/11/2023 to The Secretary, Environment dept. Mumbai, MoEFCC Integrated RO-office, Nagpur, The Zonal officer-CPCB, Parivesh Bhavan, Vadodara-Gujarat & MPCB (SRO & RO Office)-By mail on dtd 20.11.2023. Annexure XB: Ack. copy of Submitted MPCB-Environment Self Audit Report [Period from Financial Year Apr'23~Mar'24].</p>		<p>Date: 29/05/2024</p>
31	<p>Corporate Environmental Responsibility</p>	<p>Separate funds shall be allocated for implementation of Environmental protection measure /EMP along with item wise breakup. These cost shall be included as part of the project cost. The funds earmarked for the Environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this Department.</p>
<p>PPs Submission: Complied Complied. Industry has allocated Separate funds for implementation of Environmental protection measure /EMP along with item- wise breaks-up. The funds earmarked for Environmental Protection measures shall not be diverted for other purposes and expenditures reported to the MPCB.</p>		<p>Date: 29/05/2024</p>
32	<p>Statutory compliance</p>	<p>A copy of the clearance letter shall be sent by proponent to the concern municipal corporation & the local NGO, if any, from whom suggestions / representations. If any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.</p>
<p>PPs Submission: Complied Complied. The clearance letter uploaded on the website of the company by the proponent. Project situated in notified At-Vile, Post-Bhagad MIDC, no Municipal corporation nearby. No suggestion received from any Local NGO, interested party during process of clearance. The clearance letter</p>		<p>Date: 29/05/2024</p>

produced to Govt. bodies, NGO, Collector Office as & when required.		
33	MISCELLANEOUS	Environmental Awards: a) P-MH selected for “Gold Award” in “14th Exceed Green Future Award 2023” in Environment Preservation category under Steel Sector from “Sustainable Development Foundation” New Delhi. b) Posco Maharashtra has secured First position (winner) in Water Sustainability Awards 2023-2024 in Waste Water Treatment & Reuse Category organized by TERI, Ministry of Jal Shakti & UNDP INDIA.
PPs Submission: Complied Annexure- XV: P-MH selected for “Gold Award” in “14th Exceed Green Future Award 2023” in Environment Preservation category under Steel Sector from “Sustainable Development Foundation” New Delhi. Annexure- XVI: Posco Maharashtra has secured First position (winner) in Water Sustainability Awards 2023-2024 in Waste Water Treatment & Reuse Category organized by TERI, Ministry of Jal Shakti & UNDP INDIA.		Date: 29/05/2024
34	Statutory compliance	The Environment Department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
PPs Submission: Complied Noted Environment Department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department		Date: 29/05/2024
35	Statutory compliance	The Environment Clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that Project Proponent has not violated any environmental laws in the past and whatever decision of the Hon’ble court will be binding on the Project Proponent. Hence this clearance does not give Immunity to the Project Proponent in the case filed against him.
PPs Submission: Complied Noted Till date Project Proponent has not violated any environmental laws.		Date: 29/05/2024
36	Statutory compliance	BSI Certification of Registration: Environmental Management System (EMS) - ISO 14001:2015. Posco Maharashtra Operates an Environmental Management System (EMS) which complies with the requirements of ISO 14001:2015 for the following scope: The Manufacture of Hot Dip Galvanizing (GI), Galvannealing (GA), Cold Rolled Continuous Annealed (CRCA), Cold Rolled Full Hard (CRFH), Cold Rolled Non-Grain Oriented (CRNO-Semi-Processed & Fully Processed), Hot Rolled, Pickled and Oiled (HRPO) Steel Coils.
PPs Submission: Complied Annexure -XIV: Posco Maharashtra Holds BSI Certification No.: EMS 687870 Environmental Management System (EMS) – ISO 14001:2015. BSI Certification No.: EMS 687871 Occupational Health & Safety Management System- ISO 45001:2018. Both Certifications Validities are same : Effective Date: 2021-02-24 Expiry Date: 2024-02-23		Date: 29/05/2024
37	Statutory compliance	The Environment Statement for each Financial year ending 31st March in form V as is mandated to be submitted by the Project Proponent to the concerned State Pollution Control Board as prescribed under Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC Conditions & shall also be sent to the respective Regional Offices of MoEF by email.

PPs Submission: Complied
Complied. Annexure - XIII: Environmental Audit statement- Form-V (Financial Year 2022-2023) submitted to online MPCB portal on dated on dated 26/09/2023. Hard copy of the same also submitted to MPCB-SRO-Office, Mahad on 27th September 2023.

Date:
29/05/2024

Visit Remarks

Last Site Visit Report Date:

N/A

Additional Remarks:

TILL DATE NO ANY VISIT TO PLANT