PMSPL/EHS-MPCB/EC Com-01/2023

Τo,

The Sub Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, CFC Building Mahad.

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

Ref No: CGL Plant - SEAC-2010/CR.639/TC.2 Dated 8<sup>th</sup> June 2011,

CRM Plant- Ref No: SEAC-2011/CR-969/TC2 Dated 26<sup>th</sup> February 2014,

ACL Plant- Ref No: SEAC-2012/CR-7/TC-2 Dated 5<sup>th</sup> March 2015 by Environment Dept. Maharashtra

#### Respected Sir,

POSCO Maharashtra Steel Pvt. Ltd has been accorded Environmental Clearance for production of Galvanized Coil dated 8<sup>th</sup> June 2011, Cold Rolling Mill project dated 26<sup>th</sup> Feb, 2014 & ACL plant (Electrical Steel) dated 5<sup>th</sup> Mar 2015.

For Compliance under Environmental Clearance conditions, here we are submitting Half <u>Yearly EC-Compliance</u> report of <u>Period from Dec'22 to May'23</u> regarding conditions given under <u>Environmental Clearance</u> for <u>CGL</u>, <u>CRM</u> & <u>ACL</u> plant by SEAC, Environment Department Maharashtra.

This is for your information & consideration under the compliance of Environmental Clearance conditions & under the EIA Notification 2006, rule no 10 (ii).

Thanking You

**Yours Truly** 

For POSCO Maharashtra Steel Pvt. Ltd.

RASTER

POSCO

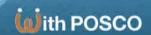
Mr. Atin N. Raut

AGM- EHS

**Enclosures:** 

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- 13. Annexure- XIII: 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.

CC – The Secretary Environment Dept , Mumbai ,The Member Secretary MPCB , Mumbai , The Regional Officer MPCB Raigad Bhavan , The Zonal Officer CPCB-Gujarat, The Regional Officer- Nagpur.



Date: 31<sup>st</sup> May, 2023

POSCO

WAHARASHTRA
PMSPL/EHS-MPCB/EC Com-02/2023

Τo,

The Regional Officer,

Maharashtra Pollution Control Board, Regional Office, Raigad Bhavan, 7<sup>th</sup> Floor, CBD Belapur-400614

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

Ref No: CGL Plant - SEAC-2010/CR.639/TC.2 Dated 8<sup>th</sup> June 2011,

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For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

AGM- EHS

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CC – The Secretary Environment Dept , Mumbai ,The Member Secretary MPCB , Mumbai , The Sub regional Officer MPCB Mahad, Raigad, The Zonal Officer CPCB-Gujarat, The Regional Officer-Nagpur.



Date: 31st May, 2023



## PMSPL/EHS-MPCB/EC Com-01/2023

Date: 31<sup>st</sup> May, 2023

To,

#### The Member Secretary,

Maharashtra Pollution Control Board, Kalpataru Point Sion , Mumbai (E)- 400022.

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

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For Compliance under Environmental Clearance conditions, here we are submitting Half <u>Yearly EC-Compliance</u> report of **Period from Dec'22 to May'23** regarding conditions given under **Environmental Clearance** for **CGL**, **CRM** & **ACL** plant by SEAC, Environment Department Maharashtra.

This is for your information & consideration under the compliance of Environmental Clearance conditions & under the EIA Notification 2006, rule no 10 (ii).

Thanking You

**Yours Truly** 

For POSCO Maharashtra Steel Pvt. Ltd.

POSCO

Mr. Atin N. Raut

AGM- EHS

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CC - The Secretary Environment Dept, Mumbai, The Regional Officer MPCB Raigad Bhavan, The Sub regional Officer MPCB Mahad, Raigad, The Zonal Officer CPCB-Gujarat, The Regional Officer-Nagpur.

POSCO Maharashtra Steel Pvt. Ltd.

Corporate Office: 7th Floor, World Trade Center-1, Kharadi, Pune-411 014, Maharashtra, India, Head Office: Plot No. C-1, Vile-Bhagad, MIDC Industrial Area, Tal: Mangaon, Dist: Raigad - 402 308, Maharashtra, INDIA



PMSPL/EHSI/EC Com-01/2023

Τo,

The Secretary

**Environment Department** 

15<sup>th</sup> Floor, New Administrative Building, Madam Cama Road, Mumbai – 400 032

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

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Thanking You

**Yours Truly** 

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

AGM- EHS

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CC – <u>The Member Secretary MPCB</u>, <u>Mumbai</u>, <u>The Regional Officer MPCB Raigad Bhavan</u>, <u>The Sub regional Officer MPCB Mahad</u>, <u>Raigad</u>, <u>The Regional Officer-Nagpur</u>, <u>The Zonal Officer CPCB-Gujarat</u>.



Date: 31st May, 2023



PMSPL/EHS-MoEFCC (WCZ)/EC Com-01/2023

To,

**The Regional Officer** 

Ministry of Environment, Forest and Climate Change Regional office (West- Central Zone) Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur 440001, (Maharashtra)

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

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For POSCO Maharashtra Steel Pvt. Ltd.

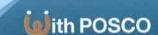
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CC – The Secretary Environment Dept, Mumbai, The Member Secretary MPCB, Mumbai, The Regional Officer
MPCB Raigad Bhavan, The Sub regional Officer MPCB Mahad, Raigad, The Zonal Officer CPCB-Gujarat.
POSCO Maharashira Steel Pvt. Ltd.



Date: 31<sup>st</sup> May, 2023



## MAHARASHTRA PMSPL/EHS-CPCB/EC Com-01/2023

Τo,

The Zonal Officer,

Parivesh Bhavan, Opp.VNC Word Office No-10 Subhanpura, Vadodara (Gujrat) 390023

Subject: Submission of Half Yearly (Period from Dec'22 to May'23) Compliance report of Environmental Clearance conditions in Hard copy under Compliance of the EIA Notification 2006, Rule No 10(ii).

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Mr. Atin N. Raut

AGM- EHS

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Date: 31st May, 2023

CINE H27100MH2000PTC100879

# CGL Plant - HALF YEARLY COMPLIANCE REPORT

Six Monthly Compliance report (Period: Dec, 2022 to May, 2023) - Environmental Clearance Conditions- CGL Plant

Reference - No: SEAC-2010/CR.639/TC.2 Dated 8<sup>th</sup> June 2011 by Environment Department Maharashtra. Category – 3(a) & 8(a).

The Compliances of Environment Clearance conditions are as follows-

Sr.No	Compliance Condition	Compliance Status
i	This Environmental Clearance issued subject to Land use verification. Local / planning authority should ensure this with request to rules, regulations, and notifications.	Industry located in MIDC Vile Bhagad, Tal- Mangaon , Dist- Raigad, Maharashtra, 402308
ii	Obtain Consent to Establish & Operate from Maharashtra Pollution Control Board under Air & Water Act.	<ul> <li>Complied</li> <li>Consent to Establish received from MPCB Consent No – BO/PCI-II/EIC No.RD-1421 -10 /E/CC-128 Date – 11/03/2010.</li> <li>Obtained renewal of Consent to Operate from MPCB Format - 1.0/UAN No: 0000128520/ CR/2204000648, Date-12.04.2022, Valid till: 28.02.2027.</li> </ul>
iii	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	<ul> <li>Complied</li> <li>Land development work started after getting EC &amp; CTE respectively.</li> </ul>
iv	No addition land shall be used/ acquired for any activity of the project without obtaining due clearance from respective authority	<ul> <li>Complied</li> <li>No additional land used &amp; acquired for project. Only MIDC acquired plot is used.</li> </ul>
V	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in the plant shall be ensured.	<ul> <li>Complied Following measures taken to control fugitive emissions:</li> <li>Developed land in segments to avoid disturbance of top soil layer &amp; to prevent dus spreading due to wind.</li> <li>Green belt development started aroun periphery of plant area.</li> <li>Water sprinkling system undertaken.</li> <li>Internal roads paved.</li> </ul>
vi	Regular Monitoring of the Air Quality, including SPM,SO <sub>2</sub> levels both in work zone and Ambient Air shall be carried out & maintain record & submit record accordingly to MPCB.	Complied  * Annexure - I Fortnightly Ambient Air Quality Monitoring reports with Summary results (Dec, 2022 to May, 2023)  * Annexure - II Acknowledgement copy from MPCB for submission of AAQM Monitoring reports by MoEF approved laboratory. (Dec, 2022 to May, 2023).
vii	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Noted Provided Rain Water Harvesting system for use of rain water for cooling tower makeup.
viii	Arrangement shall be made that waste water & storm water do not get mixed	<ul> <li>Complied</li> <li>Separate storm water drain provided.</li> <li>Industrial Waste water and sewage are conveyed to ETP by pipes inside plant shed</li> </ul>

		There is no possibility of mixing storm water.
ix	Periodical monitoring of ground water	Complied
Х	To maintain noise level as per standard & provide all required PPE to workers.	<ul> <li>Complied.</li> <li>* Annexure- III Ambient Noise Level Monitoring as per The Environment Protection Act 1986 (Dec'22 to May'23).</li> <li>Regular Workplace Noise Level Monitoring done as per The Factories Act 1948 (Dec'22 to May'23).</li> <li>We shall monitor Noise Level through MoEF recognized lab &amp; ensure it is maintained as per EP Act standard.</li> </ul>
хi	The overall Noise level in and around the	Ear plugs, Ear muffs will be provided to all workers for protecting them from Noise.  Complied
	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.	<ul> <li>DG set provided meeting CPCB requirement &amp; all possible measures taken to control Noise Level. Regular monitoring shall be done through MoEFCC approved Laboratory to ensure Ambient Noise is within EP Act Standards.</li> <li>* Annexure III Ambient Noise Level Monitoring reports. (Dec'22 to May'23).</li> </ul>
xii	Green Belt shall be developed & maintained around the plant periphery. Considering CPCB guidelines for selection of species of plant.	<ul> <li>Green Belt Development done and will continue for further nourishment. Water sprinkler system provided for irrigation of Green Belt Area.</li> <li>We have entered into Horticulture contract &amp; employed local manpower in Horticulture for local employment.</li> <li>Monsoon Tree Plantation – Planted 950 Nos. New Trees in the month of June &amp; July 2022.</li> <li>Plan to plant 1000 Nos. trees in Jun~July'23.</li> </ul>
xiii	Adequate Safety measurers shall be provided to limit the risk zone within the plant boundary. Leak detection devices shall also be installed at strategic places for early detection & warning	<ul> <li>Complied</li> <li>Automatic Beam type protection system and Smoke detectors provided for early detection of fire.</li> <li>Emergency siren provided to give alarm for emergency situation.</li> <li>Advance communication system such as Wally talky, telephone etc made.</li> <li>Mock drills &amp; training given to Employee's</li> </ul>

71.		
xiv	Occupational Health Surveillance of the worker shall be done on a regular basis and record maintained as per factories act.	<ul> <li>Established Occupational Health Center as per The Factories Act and 24hrs operational. Pre-employment medical checkup for all staff &amp; worker's done.</li> <li>Ambulance Vehicle available on site 24 hrs.</li> <li>Pre-employment Medical checkup done as &amp; when required. Yearly Medical Health checkup of all employee done &amp; will continue as per schedule.</li> <li>Form No-6 (Fitness certificate) &amp; Form No-7 (Health register) have maintained &amp; will produce to Factory Inspector (as &amp; when required).</li> </ul>
xv	The company shall make the arrangement for protection possible fire hazards during manufacturing process during material handling.	<ul> <li>Full Fledge Fire Hydrant System &amp; Fire Sprinkler system network provided.</li> <li>Provided various types of Portable fire extinguishers.</li> <li>Fire Alarm &amp; detection system has been provided.</li> </ul>
xvi	Strictly comply with the Rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous waste (Management, Handling & Transboundary) Rules 2010.  Authorization from the MPCB shall be obtained for collection /treatment/storage/ disposal of hazardous waste	<ul> <li>Regular disposal of hazardous waste to CHWTSDF &amp; MPCB Authorized parties.</li> <li>Regular online submission of Manifest for Hazardous And Other Waste Form-10 to MPCB for compliance of The Hazardous &amp; other waste (M &amp; H) Rules 2016.</li> <li>Financial Year 2021-2022- Form IV submitted on MPCB Portal dated 29/06/2022.</li> <li>Annexure-IV: Acknowledgement copy of Form-IV, FY:2021-22 &amp; regular submission of Hazardous waste disposal Form-10 to MPCB SRO office-Mahad (Period Dec'22~May'23).</li> <li>Annexure -V: We had taken Lifetime Membership from Mumbai Waste Management Ltd Taloja (CHWTSDF) for disposal of Hazardous waste (Membership No – MWML HZW-MHD-3180). Validity:31/03/2024.(On Yearly Basis)</li> </ul>
xvii	Shall undertake following Waste minimization measurers – Metering of quantities of active ingredients to minimize waste, reuse, maximizing recoveries, use of automated material transfer system.	<ul> <li>Complied</li> <li>Company has provided Automatic Chemical dosing system to ensure minimum generation of waste. All material transfer system is automated. Loading pumps, dosing pumps.</li> <li>DCS Operation system (HMIS System – Human machine interface) for high quality of product &amp; to avoid excess use of chemicals.</li> <li>Optimization of chemical consumption, waste water generation for reduction in generation of hazardous waste.</li> </ul>
xviii	Regular Mock drill on onsite emergency management plan shall be carried out	Complied     On-site Emergency Plan prepared. 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 safety plan.
xix	A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated environmental safeguard.	<ul> <li>Complied</li> <li>Company had established EHS department, in which Environment Managers &amp; Environment chemists for Environmental testing are appointed. Also, in house water &amp; waste water analysis facility provided to monitor ETP performance.</li> <li>* Annexure – VI: Effluent water testing report by MPCB JVS Report. In-house laboratory Internal and external MoEF approved Laboratory (Dec, 2022 to May, 2023).</li> </ul>
XX	Transportation of ash will be through closed containers and all measurers should be taken to prevent spilling of the ash	Not applicable Company will use <b>Piped Natural Gas</b> for fuel source. There is no generation of ash.
xxi	Separate funds shall be allocated for implementation of Environmental protection measure /EMP along with item wise breakup.	Complied. Funds spent so far: Integrated ETP: Rs 20 Crore. Air Pollution Control: Rs 5 Crore. Effluent lab: 1.5 Crore. Occupational Health Centre: 39.6 Lack (Six month operation cost)/ Capital cost -1 crore + Safety Equipment: 10 Crore. Environmental monitoring- 8 Lacks. Monthly Env Operation cost- Approx 20 Lack. Horticulture Expenses- Monthly 13 Lacks.
xxii	Advertise at least in two local newspapers widely circulated in the region around the project, informing that the project has accorded Environmental Clearance & copies are available at MPCB & website http://envis.maharashtra.gov.in	Complied.  • Advertise given in two newspapers dated 4 <sup>th</sup> July 2011 – Mumbai Sakal (for Marathi Language) & in DNA (for English Language)  * Annexure-VII: Published copy of Advertise dated 4 <sup>th</sup> July 2011.
xxiii	The criteria Pollutant levels namely SPM, RSPM, SO <sub>2</sub> ,NOX(ambient levels as well as stack emission) shall be monitored & displayed at a convenient location near the main gate of the company in public domain	<ul> <li>Complied</li> <li>Ambient Air Monitoring done as per NAAQS standards.</li> <li>Regular Stack Monitoring done as per annual Environmental Monitoring Plan.</li> <li>Display board has been provided at near to main gate &amp; outside main gate.</li> <li>Provided three AAQM monitoring stations for monitoring of Ambient Air Quality.</li> <li>* Annexure- VIII: Stack Emission Monitoring Reports as per NAQQM 2009 (Dec,2022 to May, 2023).</li> <li>* Annexure- IX: MPCB Awarded Five Star Rating for Stack TPM Emission in Star Rating Programme.</li> </ul>
xxiv	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 &	Complied  Report submitted on 30/11/2022 to Environment department Maharashtra MPCB, RO MoEFCC Nagpur & ZO CPCB.

	1 <sup>st</sup> December of each calendar year	* Annexure - X: Acknowledgement copy of submission of Half Yearly Compliance report. (Period from Jun, 2022 to Nov, 2022).
XXV	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.	<ul> <li>NA</li> <li>Project situated in notified At-Vile, Post-Bhagad MIDC, no Municipal corporation nearby.</li> <li>No suggestion received from any Local NGO, interested party during process of clearance.</li> <li>Noted.</li> </ul>
xxvi, xxvii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including result of monitoring data hard copies & soft copies.	Complied on dated 01/11/2021.  Annexure - X: Acknowledgement copy of Half Yearly Compliance report. (Jun, 2022 to Nov, 2022) submitted to MPCB on dated 30/11/2022.
xxviii	The Environment Statement for each Financial year ending 31 <sup>st</sup> March in form V is mandatory to submit it to MPCB.	Complied  • Annexure - XI: Form-V Environmental statement (Financial Year 2021-2022) submitted to MPCB online on dated 29/09/2022.
xxix	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.	<ul> <li>Annexure - XII:         Posco Maharashtra Holds BSI Certification         No.: EMS 687870.</li> <li>Environmental Management System (EMS) -         ISO 14001:2015.</li> <li>BSI Certification of Certification:         Effective Date: 2021-02-24         Expiry Date: 2024-02-23</li> </ul>

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

AGM- EHS

# CRM Plant- HALF YEARLY COMPLIANCE REPORT

Six Monthly Compliance report (Period: Dec, 2022 to May, 2023) on Environmental Clearance conditions (Cold Rolling Mill Plant)

Ref No: SEAC-2011/CR-969/TC2 Dated 26<sup>th</sup> February 2014 by Environment Department Maharashtra. Category – 3(a) & 8 (b) B1

The Compliances of Environment Clearance conditions are as follows-

Sr.No	Compliance condition	Compliance status
Î	This Environmental Clearance issued subject to Land use verification. Local / planning authority should ensure this with request to rules, regulations, and notifications.	Industry located in MIDC Vile Bhagad, Tal-Mangaon , Dist- Raigad, Maharashtra, 402308
ii	Obtain Consent to Establish & Operate from Maharashtra Pollution Control Board under Air & Water Act.	<ul> <li>Complied</li> <li>Consent to Establish received from MPCB         Consent No – BO/PCI-II/EIC No.RD-1421 -10         /E/CC-128 Date – 11/03/2010.</li> <li>Obtained renewal of Consent to Operate from         MPCB No- 1.0/BO/CAC-Cell/ Autorenewal/         UAN No:-0000047766-18/CAC-1806000029,         date- 01/06/2018.</li> </ul>
iii	No addition land shall be used/ acquired for any activity of the project without obtaining proper permission.	Yes- Complied     No additional land used & acquired from project. Only used acquired plot from MIDC.
iv	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in the plant shall be ensured.	<ul> <li>Yes- Complied</li> <li>For controlling fugitive emission development of green belt around periphery of plant area for to control fugitive emission.</li> <li>Also started sprinkling water in to dust area, internal roads for to prevent natural &amp; fugitive emission.</li> </ul>
V	Regular Monitoring of the Air Quality, including SPM,SO <sub>2</sub> levels both in work zone and Ambient Air shall be carried out & maintain record & submit record accordingly to MPCB.	* Annexure-I Fortnightly Ambient Air Monitoring reports with Summary results (Period: Dec,2022 to May, 2023).      * Annexure –II Acknowledgement copy from MPCB for submission of AAQM monitoring reports by MoEFCC approved Laboratory. results (Period: Dec,2022 to May, 2023).
VÍ	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	<ul> <li>Yes- Complied.</li> <li>Furnace area ventilation is provided.         Regarding safety all furnace operation is on SCDA system and various safety interlocks have been provided for safe operation of furnace. Competent supervision.     </li> <li>Provided online leak detection devices for to identify gas leakage.</li> </ul>
Vİİ	Proper Housekeeping programmes shall be implemented.	Yes- complied;  • We have separated housekeeping team managed by competent & designated personnel ( <b>Separate Agency</b> ). Also we have implemented 5S, QSS & with my machine & safety system (MMS).

viii	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.  A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant tram DG set.(	<ul> <li>Yes- Complied ,</li> <li>In case of failure of any pollution control system such as scrubbers, ID fans, exhaust fan, process will stop accordingly.</li> <li>An emergency power supply has given to critical equipments.</li> <li>Yes- Complied</li> <li>30 meter height stack installed for 2000 KVA DG set.</li> </ul>
Х	If applicable)  A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Noted Provided rain water harvesting system for use of rain water for cooling tower makeup.
хi	Arrangement shall be made that waste water & storm water do not get mixed	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
xii	Periodical monitoring of ground water	Yes- Complied
xiii	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.	<ul> <li>Complied</li> <li>We are regularly monitoring Noise Level &amp; it is maintained as per Noise standard.</li> <li>Ear plugs, ear muffs have provided to all workers for protecting them from high noise.</li> </ul>
xiv	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	<ul> <li>Yes- Complied</li> <li>DG set provided as per guidelines given by CPCB &amp; taken all possible measures to control Noise Level.</li> <li>Regular Monitoring done for Noise Level through MoEF approved Laboratory.</li> <li>* Annexure III - Copy of Ambient Noise Level Monitoring results (Period: Dec'22 to May'23).</li> </ul>
XV	Green Belt shall be developed & maintained around the plant periphery. Considering CPCB guidelines for selection of species of plant.	<ul> <li>Yes – Completed</li> <li>Green Belt Development done and will continue for further nourishment. Water sprinkler system provided for irrigation of green belt area.</li> <li>We have entered into Horticulture contract &amp; employed local manpower in horticulture for local employment. Also aim to provide local plant species for further plantation.</li> <li>Monsoon Tree Plantation:         <ul> <li>Planted 950 Nos. New Trees in the month of June &amp; July 2022.</li> <li>Plan to plant 1000 Nos. trees in Jun~July'23.</li> </ul> </li> </ul>
xvi	Adequate safety measurers shall be provided to limit the risk zone within the plant boundary. Leak detection devices shall also be installed at strategic places for early detection & warning	Yes- Complied  Adequate safety measurers shall taken for protection of plant, which include high class automation system, no manual operations,  Various safety interlocks in operating process.  We have provided adequate fire alarm,

		detection & Fire protection system as per provisional fire NOC issued by Fire department  Communication system such as Walky talky, telephone etc.
xvii	Occupational health surveillance of the worker shall be done on a regular basis and record maintained as per factories act.	<ul> <li>Yes -Complied</li> <li>Established Occupational health center as per The Factories Act, 1948.</li> <li>Pre-employment Medical checkup done as &amp; when required. Yearly medical checkup of employee done &amp; will continue as per schedule.</li> <li>Form No-6 (fitness certificate) &amp; Form No-7 (Health register) have maintained.</li> </ul>
xviii	The company shall make the arrangement for protection possible fire hazards during manufacturing process during material handling	Yes-Complied  Full flag Fire hydrant system& Fire Sprinkler system network work.  Provided various types of Portable fire extinguishers  Fire alarm & detection system has been provided
xix	Strictly comply with the rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous waste (Management, handling &Transboundary) rules 2010. Authorization from the MPCB shall be obtained for collection /treatment/storage/disposal of hazardous waste	<ul> <li>Yes- Complied</li> <li>Regular disposal of hazardous waste to CHWTSDF &amp; MPCB Authorized parties.</li> <li>Regular online submission of Manifest for Hazardous And Other Waste Form-10 to MPCB for compliance of The Hazardous &amp; other waste (M &amp; H) Rules 2016.</li> <li>Financial Year 2021-2022- Form IV submitted on MPCB Portal dated 29/06/2022.</li> <li>* Annexure-IV: Acknowledgement copy of Form-IV,FY:2021-22 &amp; regular submission of Hazardous waste disposal Form-10 to MPCB SRO office-Mahad (Dec, 2022 to May, 2023).</li> <li>Annexure -V:         We had taken Lifetime Membership from Mumbai Waste Management Ltd Taloja (CHWTSDF) for disposal of Hazardous waste (Membership No – MWML HZW-MHD-3180). Validity:31/03/2024.(On Yearly Basis)</li> </ul>
XX	Shall undertake following waste minimization measurers – Metering of quantities of active ingredients to minimize waste, reuse, maximizing recoveries, use of automated material transfer system to minimize spillage.	<ul> <li>Yes – Noted.</li> <li>Automatic chemical dosing system for to maintain minimum generation of waste.</li> <li>All material transfer system are providing automation, loading pumps, dosing pumps &amp; having DCS Operation system (HMIS System – Human machine interface) for high quality of result of operation &amp; to avoid excess use of chemicals, leads to generate hazardous waste.</li> <li>Installed additional 7 KL buffer tank for storage of concentrated waste acid from Ventury &amp; separator during emergency shutdown at ARP plant to avoid mixing it in waste water to reduce load on WWTP &amp; saving of NaOH.</li> </ul>

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XXİ	Regular Mock drill on onsite emergency management plan shall be carried out	Yes- Complied	
xxii	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguard.	<ul> <li>Yes- Complied</li> <li>Company had Establish EHS department, in which appointed competent Environment Manager &amp; Environment chemist for Environmental Testing, &amp; for to control stipulated environmental safeguard.</li> <li>Provision of in house water &amp; waste water analysis facility for to measure consent parameters. Establishment of laboratory has completed.</li> <li>Contract with external MoEF approved laboratory for required Environmental sampling &amp; testing.[Comply as per MPCB CTO Conditins].</li> </ul>	
xxiii	Transportation of ash will be through closed containers and all measurers should be taken to prevent spilling of the ash.	<ul> <li>Not applicable</li> <li>Company will be use Natural Gas for fuel source. There is no generation of ash.</li> </ul>	
xxiv	Separate silos will be provided for collecting and storing bottom ash & fly ash.	Not applicable	
XXV	Separate funds shall be allocated for implementation of Environmental protection measure /EMP along with item wise breakup.	Yes- Complied Separate fund allocated for implementation of Environment protection measures.	
xxvi	Advertise at least in two local newspapers widely circulated in the region around the project, informing that the project has accorded environmental clearance & copies are available at MPCB & website http://envis.maharashtra.gov.in	Yes Complied Advertise given in Local newspaper — Mumbai Sakal (for Marathi Language) & In DNA (for English Language) * Annexure-VII A- published copy of advertise dated 14 <sup>th</sup> March 2014	
xxvii	The criteria pollutant levels namely SPM, RSPM, SO2.NOX(ambient levels as well as stack emission) shall be monitored & displayed at a convenient location near the main gate of the company in public domain	<ul> <li>Complied</li> <li>Ambient Air Quality Monitoring done as per NAQM standards &amp; reports are submitted to MPCB.</li> <li>Regular stack monitoring has been carried out &amp; also displayed monitoring results on main gate board.</li> <li>* Annexure I Reports of Ambient Air Quality Monitoring through MoEFCC approved Laboratory. (Period: Dec, 2022 to May, 2023).</li> </ul>	
xxviii	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 1 <sup>st</sup> June& 1 <sup>st</sup> December of each calendar year	<ul> <li>Complied</li> <li>Compliance report has been submitted to Environment department &amp; MPCB, dated 30/11/2022.</li> <li>* Annexure X Acknowledgement copy of Half Yearly Compliance report. (Jun, 2022 to Nov, 2022) submitted to MPCB on 30.11.2022.</li> </ul>	

xxix	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.	Yes –Noted  • Project situated in Mangaon MIDC Industrial area, nearby no Municipal corporation. No suggestion received from any Local NGO, interested party during processing of clearance.
	The clearance letter shall also be put on the website of the company by the proponent.	Noted
xxx	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including result of monitoring data hard copies & soft copies to regional office of MoEF, SPCB & MPCB	<ul> <li>Complied</li> <li>Annexure X         Acknowledgement copy of Half Yearly         Compliance Report submitted to MPCB on dated 30.11.2022.     </li> </ul>
xxxi	The Environment Statement for each financial year ending 31 <sup>st</sup> march in form V is mandatory to submit it to MPCB.	<ul> <li>Complied</li> <li>Annexure XI:</li> <li>Form-V Environmental Statement (Financial Year 2021-2022) submitted to MPCB online on dated 29/09/2022.</li> </ul>
xxix	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:	<ul> <li>Annexure - XII:         Posco Maharashtra Holds BSI Certification No.: EMS 687870.     </li> <li>Environmental Management System (EMS) - ISO 14001:2015.</li> <li>BSI Certification of Certification:</li> </ul>
	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.	Effective Date: 2021-02-24 Expiry Date: 2024-02-23

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

AGM- EHS

# ACL Plant - HALF YEARLY COMPLIANCE REPORT

Six Monthly Compliance report (Period: Dec 2022 to May 2023) on Environmental Clearance conditions -ACL Plant.

Ref No: SEAC-2012/CR-7/TC-2 Dated 5<sup>th</sup> March 2015 by Environment Department Maharashtra. Category – 8(a) B2.

The Compliances of general conditions for Post- Construction / Operation phase are as follows-

Sr.No	General Condition	Compliance status
1	This Environmental Clearance issued subject to Land use verification. Local / planning authority should ensure this with request to rules, regulations, and notifications.	Industry located in MIDC Vile Bhagad, Tal-Mangaon , Dist- Raigad, Maharashtra, 402308.
II	Obtain Consent to Establish & Operate from Maharashtra Pollution Control Board under Air & Water Act. Prior certification from appropriate authority shall be obtained.	<ul> <li>Complied.</li> <li>Consent to Establish received from MPCB Consent No – BO/PCI-II/EIC No.RD-1421 -10 /E/CC-128 Date – 11/03/2010.</li> <li>Obtained renewal of Consent to Operate from MPCB No- MPCB CTO – 1.0/ BO/CAC-Cell/ UAN No:-92026-20/Auto renewal CAC-2006000453, date- 10/06/2020, Valid till: 30.06.2025</li> </ul>
111	Project Proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the building. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging into sever line. No physical occupation or allotment will be given unless all above said environment infrastructure is installed and made functional including water req. in para 2.	<ul> <li>Provision of full flaged ETP comprehensive treatment system of capacity -3060 CMD (Primary, secondary –MBR &amp; tertiary treatment-EDR &amp; Evaporator) for to achieve quality of treated effluent for recycle.</li> <li>Treated effluent recycled back in to process</li> </ul>
IV	Wet garbage should be treated by Organic waste converter and treated waste (manure) should be utilized in the existing premises for gardening And no wet garbage will be disposed outside premises.	Complied –Provision of Organic waste converter machine for food waste
V	Local body should ensure that no occupation cert. is issued prior to operation of STP/MSW site etc.	Occupation certificate issued after Completion of project.
VI	In the case of any changes in the scope of the project would require a fresh appraisal by this dept.	Noted
VII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguard.	Complied
VIII	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 be reported to MPCB & this dept.	Complied

IX	Advertise at least in two local newspapers widely circulated in the region around the project, informing that the project has accorded environmental clearance & copies are available at MPCB & website http://envis.maharashtra.gov.in	Yes Complied  Advertise given in Local newspaper – Mumbai Sakal (for Marathi Lang.) & In DNA (for English Language).  Published copy of Advertisement on dated 14 <sup>th</sup> March 2014.
Х	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC terms & conditions in hard copies & soft copies to MPCB & this department.	Complied, Annexure V A Ack. copy of Half Yearly Comp. ce Report submitted to MPCB, dated 30.11.2022.
XI	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.	Yes -Noted Project situated in Mangaon MIDC Industrial area, near no Municipal corporation. No suggestion received from any Local NG, interested party during processing of Clearance.Noted.
XII	The criteria pollutant levels namely SPM, RSPM, SO2.NOX(ambient levels as well as stack emission) shall be monitored & displayed at a convenient location near the main gate of the company in public domain	<ul> <li>Complied</li> <li>Ambient Air Quality Monitoring done as per NAQM standards &amp; reports are submitted to MPCB.</li> <li>Regular stack monitoring has been carried out &amp; also displayed monitoring results on near to main gate board.</li> <li>Annexure I Reports of Ambient Air Quality Monitoring through MoEFCC approved Laboratory (Dec'22 to May'23).</li> <li>Regular submission of monitoring reports to SRO MPCB off Mahad. [As per MPCB-CTO Conditions].</li> </ul>
XIII	The Environment Statement for each financial year ending 31 <sup>st</sup> march in form V is mandatory to submit it to MPCB.	Complied, Form-V  Environmental Statement (FY: 2021 -2022) submitted to MPCB Portal online on date 29/09/2022.
XIV	Green Belt shall be developed & maintained around the plant periphery. Considering CPCB guidelines for selection of species of plant.	<ul> <li>Yes – Completed</li> <li>Green Belt Development done and will continue for further nourishment. Water sprinkler system provided for irrigation of green belt area.</li> <li>We have entered into Horticulture contract &amp; employed local manpower in horticulture for local employment.</li> <li>Monsoon Tree Plantation: Planted 950 Nos. New Trees in the month of June &amp; July 2022.</li> <li>Plan to plant 1000 Nos. trees in Y2023.</li> </ul>

Thanking You

Yours Truly
For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

AGM- EHS

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## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/10728-10730
	REPORT DATE	10/12/2022
	LAB REFERENCE NO.	HS/LAB/AA/489
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	05&06/12/2022
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	06/12/2022
Maharashtra 402308	START DATE OF ANALYSIS	06/12/2022
Manarashira 402300	END DATE OF ANALYSIS	09/12/2022
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF	SAMPLING DONE	SAMPLE CONTAINER &	NATURE	LOCATION
SAMPLE	BY	QUANTITY		
Ambient Air	Horizon Services	Plastic Bottles and Bags	(Same)	22
		RESULTS	···	

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	OLIS	RESULT	
01	DATE OF SAMPLING				05&06/12/2022	05&06/12/2022	05/12/2022
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)
03	SAMPLING DURATION			Hrs.	24	24	08
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	43.51	37.65	18.59
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	21.08	18.03	10.26
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	11.30	14.50	11.72
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.089	0.099	0.072
10	NH₃	Annual* 24 Hrs**	100 400	μg/m³	BDL	BDL	***



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

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11	Dh	Annual*	0.50		DDI	DDI	
11	Pb	24 Hrs**	1.0	μg/m³	BDL	BDL	3 <del>63</del>
12	Ozone	08 Hrs*	100		BDL	BDL	
12	Ozone	01 Hr *	180	μg/m³	DUL	BDL	3-4
13	Benzene	Annual*	05	μg/m³	BDL	BDL	
14	Benzo(a)Pyrene	Annual*	01	ng/m³	BDL	BDL	=
15	Arsenic	Annual*	06	ng/m³	BDL	BDL	
16	Nickel	Annual*	20	ng/m³	BDL	BDL	=

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES



MANISHA NARGOLKAR (Lab Incharge)



Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/11744-11747
	REPORT DATE	27/12/2022
	LAB REFERENCE NO.	HS/LAB/AA/530
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	20&21/12/2022
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	22/12/2022
Maharashtra 402308	START DATE OF ANALYSIS	22/12/2022
Ivianarasitua 402300	END DATE OF ANALYSIS	26/12/2022
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	22	
,		RESULTS		

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT			
01	DATE OF SAMPLING				20/12/2022	20/12/2022	20&21/12/2 022	20&21/12/20 22
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	ACL- Plant (ACL Main Gate)
03	SAMPLING DURATION			Hrs.	08	08	24	24
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	18.65	21.23	45.31	42.31
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μ <b>g</b> /m³	10.25	11.56	20.10	22.01
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	BDL
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	13.52	10.36	18.47	13.24
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.075	0.070	0.098	BDL
10	NH₃	Annual* 24 Hrs**	100 400	μg/m³	-	( <del>==</del> )	BDL	BDL



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

11	44 Db	Annual*	0.50	μg/m³	22			BDL	
11	Pb	24 Hrs**	1.0	μβ/πι			BDL	DDL	
40	10 0	08 Hrs*	100		3	(area)	BDL	BDL	
12	Ozone	01 Hr *	180	μg/m³					
13	Benzene	Annual*	05	μg/m <sup>3</sup>	##		BDL	BDL	
14	Benzo(a)Pyrene	Annual*	01	ng/m³	HH.	224	BDL	BDL	
15	Arsenic	Annual*	06	ng/m³			BDL	BDL	
16	Nickel	Annual*	20	ng/m³			BDL	BDL	

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

F MANISHA NARGOLKAR (Lab Incharge)

## MAHARASHTRA POLLUTION CONTROL BOARD

MPCB\_Amblent A.Y.

18/01/2023

Phone: 02355-261970

Fax:-

Email: mpcbchiplunlab@mpcb.gov.in

Website: http://mpcb.gov.in



#### Regional Laboratory

Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

Annexum -IVA

Repot Outward No.: MPCB/RL-Chiplun/Ambient/22-23/02/21

Date: 09/02/2023 02:40 PM

#### **Analysis Report-Air (Ambient)**



#### Client/Industry/location Name & Address

POSCO Maharashtra Steel Pvt. Ltd.

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing

Sample Details					
Field Sample ID :	BR-0039447				
Laboratory Sample Code :	MPCB/RL-Chiplun/AMB/22-23/192				
Sample Details (Water/Air/HW) :	Air				
Sample Volume Received:					
Sample Collected By:	FO-Mahad (Shri J. J. Kumbhar) (SRO-Mahad)				
Seal No.:	231				
Type of Industry / Location details:	Red				
Sample Collected On:	Jan 18 2023 11:00:00:000AM				

Sr.No	Parameter	Starting Time	Closing Time	Result	Unit	Method of analysis
1	PM10	18-01-2023 11:00	18-01-2023 19:00	49	μg/m <sup>3</sup>	
2	SO2	18-01-2023 11:00	18-01-2023 15:00	BDL	μg/m <sup>3</sup>	
3	SO2	18-01-2023 15:00	18-01-2023 19:00	4	μg/m <sup>3</sup>	
4	NOx	18-01-2023 11:00	18-01-2023 15:00	15	μg/m <sup>3</sup>	
5	NOx	18-01-2023 15:00	18-01-2023 19:00	13	μg/m <sup>3</sup>	0)

Report Type: final

Report generated on: 09/02/2023 02:39 PM

Complied & Approved by: Anil N Sandansing

Reviewed on Date: 09/02/2023 02:40 PM

Reviewed by: Anil N Sandansing

# MAHARASHTRA POLLUTION CONTROL BOARD Ambient ATY\_ 1818

18-01-2023

Phone: 02355-261970

Fax:-

Email: mpcbchiplunlab@mpcb.gov.in

Website: http://mpcb.gov.in



Regional Laboratory

Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

Repot Outward No.: MPCB/RL-Chiplun/Ambient/22-23/02/22

Date: 09/02/2023 02:40 PM

#### **Analysis Report-Air (Ambient)**

#### Client/Industry/location Name & Address

POSCO Maharashtra Steel Pvt. Ltd.

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing

Sample Details					
Field Sample ID :	BR-0039448				
Laboratory Sample Code :	MPCB/RL-Chiplun/AMB/22-23/193				
Sample Details (Water/Air/HW):	Air				
Sample Volume Received :					
Sample Collected By:	FO-Mahad (Shri J. J. Kumbhar) (SRO-Mahad)				
Seal No.:	231				
Type of Industry / Location details:	Red				
Sample Collected On:	Jan 18 2023 11:30:00:000AM				

Sr.No	Parameter	Starting Time	Closing Time	Result	Unit	Method of analysis
1	PM10	18-01-2023 11:30	18-01-2023 19:30	63	μg/m <sup>3</sup>	
2	SO2	18-01-2023 11:30	18-01-2023 15:30	4	μg/m <sup>3</sup>	
3	SO2	18-01-2023 15:30	18-01-2023 19:30	4	μg/m <sup>3</sup>	
4	NOx	18-01-2023 11:30	18-01-2023 15:30	17	μg/m <sup>3</sup>	
5	NOx	18-01-2023 15:30	18-01-2023 19:30	14	μg/m <sup>3</sup>	

Report Type: final

Report generated on: 09/02/2023 02:39 PM

Complied & Approved by: Anil N Sandansing

Reviewed on Date: 09/02/2023 02:40 PM

Reviewed by: Anil N Sandansing



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/13143-13146
W. B	REPORT DATE	19/01/2023
	LAB REFERENCE NO.	HS/LAB/AA/593
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	11&12/01/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	13/01/2023
Maharashtra 402308	START DATE OF ANALYSIS	13/01/2023
Iviariarasmira 402500	END DATE OF ANALYSIS	18/01/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		

RESULTS SR. NAAQS UNIT RESULT DESCRIPTION NO. LIMITS DATE OF 11&12/01/ 11&12/01/ 01 11/01/2023 11/01/2023 SAMPLING 2023 2023 **Utility Area** Main Gate ACL- Plant (CGL Entry (Near Weigh Dormitory 02 (ACL Main TEST LOCATION Electrical Bridge Area Gate) Cabin) Room Top) SAMPLING 03 08 24 80 24 Hrs. DURATION Annual\* 60 20.13 45.34 04 PM<sub>10</sub> 23.10 43.16  $\mu g/m^3$ 24 Hrs\*\* 100 Annual\* 40 05 PM<sub>2.5</sub> 11.98 21.98 12.85 23.12  $\mu g/m^3$ 24 Hrs\*\* 60 Annual\* 50 07 SO<sub>2</sub> μg/m³ BDL BDL BDL BDL 24 Hrs\*\* 80 Annual\* 40 NO<sub>2</sub> 80 10.56 12.10 10.31 10.71  $\mu g/m^3$ 24 Hrs\*\* 80 08 Hrs\* 0.2 09 0.090 0.079 BDL CO (1 hour) mg/m<sup>3</sup> 0.079 01 Нг\*\* 0.4 Annual\* 100

 $\mu g/m^3$ 

400

#### DISCLAIMER:

10

ΝНз

• Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.

The test report shall not be produced for any legal identity or advertised without permission of lab.

• The effect of results relate only to the item tested.

24 Hrs\*\*

**BDL** 

**BDL** 



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. Mobile: 7249867318, 8378018710
 Tel.: 020 - 25460202, 25460203.
 Email: kmn@hespl.co.in / md@hespl.co.in / www.hespl.co.in

Page 2 of 2

11	Pb	Annual*	0.50		1220	BDL		BDL
11	FD	24 Hrs**	1.0	μ <b>g/m</b> ³				DDL
12	Ozone	08 Hrs*	100			BDL	9550	BDL
12	Ozone	01 Hr *	180	μg/m³	-			BDL
13	Benzene	Annual*	05	μg/m³		BDL		BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³	=	BDL		BDL
15	Arsenic	Annual*	06	ng/m³		BDL		BDL
16	Nickel	Annual*	20	ng/m³		BDL		BDL

#### REMARKS/OBSERVATIONS: -

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

**MANISHA NARGOLKAR** (Lab Incharge)



Jan 23 (2nd Round)

## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

	REPORT NO	HS/LAB/AA/13929-13931
T	REPORT DATE	06/02/2023
	LAB REFERENCE NO.	HS/LAB/AA/636
	SAMPLING DATE	30&31/01/2023

M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile - Bhagad MIDC Industrial Area, Tal - Mangaon, Dist - Raigad, Maharashtra 402308

**CLIENT'S NAME & ADDRESS** 

06/02/2023
HS/LAB/AA/636
30&31/01/2023
01/02/2023
01/02/2023
04/02/2023
HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION				
Ambient Air	Horizon Services	Plastic Bottles and Bags						
DECIH TO								

RESULTS

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT			
01	DATE OF SAMPLING				30&31/01/2023	30/01/2023	30&31/01/2023	
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	
03	SAMPLING DURATION			Hrs.	24	08	24	
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	40.85	18.67	41.27	
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	19.67	10.53	22.56	
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	13.71	8.64	15.31	
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.080	0.069	0.105	
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³	BDL	₹ <u>#</u>	BDL	



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

11	Pb	Annual*	0.50		BDL		BDL
11	PD	24 Hrs**	1.0	μg/m³ BDL		DDL	
12	Ozone	08 Hrs*	100	μ <b>g/m</b> ³	BDL	22	BDL
12	Ozone	01 Hr *	180	μу/пг	BUL		DDL
13	Benzene	Annual*	05	μ <b>g</b> /m³	BDL	-	BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³	BDL		BDL
15	Arsenic	Annual*	06	ng/m³	BDL		BDL
16	Nickel	Annual*	20	ng/m³	BDL		BDL

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards

Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009)

BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



A AERM - Feb' 23

Round - I - Composite Reports.

## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. Mobile: 7249867318, 8378018710
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#### **TEST CERTIFICATE**

Page 1 of 2 HS/I AB/NABI /F/7 8 2 1

		110/12/10/14/102/17/1.0.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14573-14576
M/s Posco- Maharashtra Steel Pvt. Ltd.	REPORT DATE	20/02/2023
	LAB REFERENCE NO.	HS/LAB/AA/666
	SAMPLING DATE	13&14/02/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	15/02/2023
Maharashtra 402308	START DATE OF ANALYSIS	15/02/2023
Wallardshird 402000	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		No. 800
		RESULTS		

	RESULTS								
SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT		RESULT			
01	DATE OF SAMPLING				13/02/2023	13&14/02/ 2023	13/02/2023	13&14/02/ 2023	
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	ACL- Plant (ACL Main Gate)	
03	SAMPLING DURATION			Hrs.	08	24	08	24	
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	26.93	40.37	23.41	48.72	
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μ <b>g</b> /m³	13.10	18.96	13.16	24.56	
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	BDL	
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	8.71	10.53	8.79	8.96	
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.070	0.099	0.070	BDL	
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³		BDL		BDL	



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

Page 2 of 2

11 Pb	Annual*	0.50	- /3		BDL		DDI	
- 1 1	FU	24 Hrs**	1.0	μg/m³	1999			BDL
12 Ozone	08 Hrs*	100			BDL		DDI	
12	Ozone	01 Hr *	180	— μg/m³			***	BDL
13	Benzene	Annual*	05	μg/m³		BDL	3 <del>7(17</del> )	BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³		BDL		BDL
15	Arsenic	Annual*	06	ng/m³		BDL		BDL
16	Nickel	Annual*	20	ng/m³		BDL		BDL

#### REMARKS/OBSERVATIONS: -

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)



For HORIZON SERVICES

MANISHA NARGOLKAR
(Lab Incharge)



Feb 23 (2nd Round)

## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

## **TEST CERTIFICATE**

Page 1 of 2

OLIENTIO MARKE O ASSESSE	1	TIO/LAD/NADL/17/1.0.2.
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/15208-15210
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	06/03/2023
	LAB REFERENCE NO.	HS/LAB/AA/699
	SAMPLING DATE	27&28/02/2023
	SAMPLE RECEIPT DATE	01/03/2023
	START DATE OF ANALYSIS	01/03/2023
	END DATE OF ANALYSIS	04/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		
		RESULTS		

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT			
01	DATE OF SAMPLING				27&28/02/2023	27/02/2023	27&28/02/2023	
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	
03	SAMPLING DURATION			Hrs.	24	08	24	
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	46.34	23.14	46.97	
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	22.10	12.82	25.73	
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	10.28	9.76	12.31	
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.071	0.075	0.118	
10	NH <sub>3</sub>	Annuai* 24 Hrs**	100 400	μg/m³	BDL	##	BDL	

#### DISCLAIMER:

Sample will be retained only for 15 days.
 Above results indicate to the parameters mentioned only.
 Liability limited till issue of test reports only.
 The left report shall not be produced for any legal identity or advertised without permission of lab.
 The effect of results relate only to the item tested.



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

Page 2 of 2

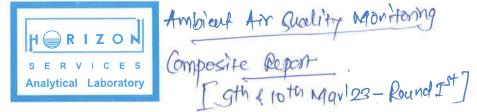
11	Pb	Annual*	0.50	a/m3	BDL		PDI
11	10	24 Hrs**	1.0	μg/m³	DUL		BDL
12	Ozone	08 Hrs*	100	-/3	DDI		DDI
14	Ozone	01 Hr *	180	μg/m³	BDL	(1 <del>444</del> )	BDL
13	Benzene	Annual*	05	μg/m³	BDL		BDL
				7.3/111			
14	Benzo(a)Pyrene	Annual*	01	ng/m³	BDL		BDL
15	Arsenic	Annual*	06	ng/m³	BDL		BDL
16	Nickel	Annual*	20	ng/m³	BDL		BDL

## REMARKS/OBSERVATIONS: -

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

MANISHA NARGOLKAR
(Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/15662-15665
M/s Posco- Maharashtra Steel Pvt. Ltd.	REPORT DATE	15/03/2023
	LAB REFERENCE NO.	HS/LAB/AA/720
	SAMPLING DATE	09&10/03/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial	SAMPLE RECEIPT DATE	10/03/2023
Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	START DATE OF ANALYSIS	10/03/2023
Iwanarashtra 402308	END DATE OF ANALYSIS	14/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		(44)

SR.			NAAQS	KESU		DEO			
NO.	DESCRIPTION		LIMITS	UNIT	RESULT				
01	DATE OF SAMPLING				09/03/2023	09&10/03/ 2023	09/03/2023	09&10/03/ 2023	
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	ACL- Plant (ACL Main Gate)	
03	SAMPLING DURATION			Hrs.	08	24	08	24	
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	24.28	45.20	21.70	43.27	
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	14.39	23.10	11.39	21.56	
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	BDL	
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	9.10	11.39	9.89	10.23	
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.079	0.090	0.079	BDL	
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³	S <del>BB</del> R	BDL		BDL	

#### DISCLAIMER:



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

11	Pb	Annuai*	0.50			BDL		BDI
11	PU	24 Hrs**	1.0	μg/m³	2.577.3		***	BDL
12	Ozone	08 Hrs*	100			BDL		BDL
12	Ozone	01 Hr *	180	μg/m³	(999)		***	DDL
13	Benzene	Annual*	05	μg/m³		BDL		BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³		BDL		BDL
15	Arsenic	Annual*	06	ng/m³		BDL		BDL
16	Nickel	Annual*	20	ng/m³		BDL	***	BDL

## REMARKS/OBSERVATIONS: -

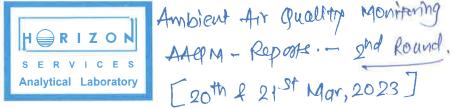
NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)



For HORIZON SERVICES

govia

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16346-16348
M/s Posco- Maharashtra Steel Pvt. Ltd.	REPORT DATE	28/03/2023
	LAB REFERENCE NO.	HS/LAB/AA/755
	SAMPLING DATE	20&21/03/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	23/03/2023
Maharashtra 402308.	START DATE OF ANALYSIS	23/03/2023
	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

Ambient Air Horizon Services Plastic Bottles and	Bags	

CD.			NAAGO	KLS	BULTS				
SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT				
01	DATE OF SAMPLING				20&21/03/2023	20/03/2023	20&21/03/2023		
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)		
03	SAMPLING DURATION			Hrs.	24	08	24		
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	58.64	27.43	52.13		
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	28.31	15.10	22.10		
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL		
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	12.30	8.25	13.61		
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.098	0.081	0.102		
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³	BDL		BDL		



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Page 2 of 2

11 Pb	Annual*	0.50		BDL		BDL	
11	PD	24 Hrs**	1.0	1.0 μg/m <sup>3</sup>	BUL	( <del>53</del> 8)	BUL
12	12 Ozone	08 Hrs*	100	a/m3	BDL		BDL
12	Ozone	01 Hr *	180	μg/m³ BDL			
13	Benzene	Annual*	05	μg/m³	BDL		BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³	BDL		BDL
15	Arsenic	Annual*	06	ng/m³	BDL		BDL
16	Nickel	Annual*	20	ng/m³	BDL		BDL

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

menaigoura

MANISHA NARGOLKAR (Lab Incharge)



AARPM- Composite Reports.

12th 413th April 23 (Round-I)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

		110121111111111111111111111111111111111
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/00935-00938
W. D Web	REPORT DATE	19/04/2023
	LAB REFERENCE NO.	HS/LAB/AA/030
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	12&13/04/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	14/04/2023
Maharashtra 402308	START DATE OF ANALYSIS	14/04/2023
iviana ashira 402500	END DATE OF ANALYSIS	18/04/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		***
		RESULTS		

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT			
01	DATE OF SAMPLING				12/04/2023	12&13/04/2 023	12/04/2023	12&13/04/20 23
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	ACL- Plant (ACL Main Gate)
03	SAMPLING DURATION			Hrs.	08	24	08	24
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μg/m³	29.68	55.27	25.32	48.52
05	PM <sub>2.5</sub>	Annual* 24 Hrs**	40 60	μg/m³	15.12	26.32	13.58	24.31
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	BDL
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	10.35	13.12	8.62	12.05
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2	mg/m³	0.072	0.099	0.083	BDL
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³		BDL	::	BDL



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

11	Pb	Annual*	0.50			BDL		BDI
11	FU	24 Hrs**	1.0	μg/m³	: T. II.		****	BDL
12	Ozone	08 Hrs*	100			BDL		BDL
12	Ozone	01 Hr *	180	μg/m³	2 <del>000</del> 0		*****	BDL
13	Benzene	Annual*	05	μg/m³		BDL		BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m³		BDL		BDL
15	Arsenic	Annual*	06	ng/m³		BDL		BDL
16	Nickel	Annual*	20	ng/m³		BDL	( <del>##</del> ):	BDL

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)



For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



AARM- Composite Reports
25th 27th April 23 (Round-II)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01633-01635
M/s Danas Mahamahira Otasi Dai 141	REPORT DATE	04/05/2023
	LAB REFERENCE NO.	HS/LAB/AA/068
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	26&27/04/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad,	SAMPLE RECEIPT DATE	28/04/2023
Maharashtra 402308.	START DATE OF ANALYSIS	28/04/2023
iviana asinta 402500.	END DATE OF ANALYSIS	03/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags		

#### RESULTS SR. **NAAQS** DESCRIPTION UNIT **RESULT** NO. LIMITS DATE OF 26/04/2023 01 26&27/04/2023 26&27/04/2023 SAMPLING Main Gate (Near Utility Area (CGL **TEST** 02 Weigh Bridge **Dormitory Area** Entry Electrical LOCATION Cabin) Room Top) SAMPLING 03 Hrs. 24 80 24 **DURATION** 60 Annual\* 04 PM<sub>10</sub> 33.12 45.32 52.61 μg/m<sup>3</sup> 24 Hrs\*\* 100 Annual\* 40 05 PM<sub>2.5</sub> $\mu g/m^3$ 24.89 17.91 23.07 24 Hrs\*\* 60 Annual\* 50 07 SO<sub>2</sub> $\mu g/m^3$ BDL **BDL** BDL 24 Hrs\*\* 80 Annual\* 40 80 NO<sub>2</sub>10.13 9.28 10.23 $\mu g/m^3$ 24 Hrs\*\* 80 08 Hrs\* 0.2 09 CO (1 hour) mg/m<sup>3</sup> 0.090 0.092 0.128 01 Hr\*\* 0.4 Annual\* 100 10 **BDL BDL** NНз $\mu g/m^3$ 24 Hrs\*\* 400

#### **DISCLAIMER**



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

11	Pb	Annual*	0.50	a/m3	BDL		BDL	
11	FU	24 Hrs**	1.0	μg/m³	DUL	*	BUL	
12	Ozone	08 Hrs*	100		BDL		BDL	
12	Ozone	01 Hr *	180	μg/m³	DDL		DDL	
13	Benzene	Annual*	05	μg/m³	BDL		BDL	
14	Benzo(a)Pyrene	Annual*	01	ng/m³	BDL		BDL	
15	Arsenic	Annual*	06	ng/m³	BDL		BDL	
16	Nickel	Annual*	20	ng/m³	BDL		BDL	

#### REMARKS/OBSERVATIONS: -

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

8



A A 68M- Reports.

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

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#### **TEST CERTIFICATE**

Page 1 of 2

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02133-02136
	REPORT DATE	18/05/2023
	LAB REFERENCE NO.	HS/LAB/AA/096
M/s Posco- Maharashtra Steel Pvt. Ltd.	SAMPLING DATE	11&12/05/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial	SAMPLE RECEIPT DATE	13/05/2023
Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	START DATE OF ANALYSIS	13/05/2023
Ivialiai asiiti a 402300	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/14

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Air	Horizon Services	Plastic Bottles and Bags	-	<del></del> /

SR. NO.	DESCRIPTION		NAAQS LIMITS	UNIT		RES	ULT	
01	DATE OF SAMPLING				11/05/2023	11&12/05/2 023	11/05/2023	11&12/05/20 23
02	TEST LOCATION				Main Gate (Near Weigh Bridge Cabin)	Dormitory Area	Utility Area (CGL Entry Electrical Room Top)	ACL- Plant (ACL Main Gate)
03	SAMPLING DURATION			Hrs.	08	24	08	24
04	PM <sub>10</sub>	Annual* 24 Hrs**	60 100	μ <b>g</b> /m³	35.20	62.10	31.02	65.28
05	PM <sub>2,5</sub>	Annual* 24 Hrs**	40 60	μg/m³	18.46	29.86	17.06	33.10
07	SO <sub>2</sub>	Annual* 24 Hrs**	50 80	μg/m³	BDL	BDL	BDL	BDL
08	NO <sub>2</sub>	Annual* 24 Hrs**	40 80	μg/m³	13.01	15.20	13.20	17.13
09	CO (1 hour)	08 Hrs* 01 Hr**	0.2 0.4	mg/m³	0.079	0.091	0.089	0.069
10	NH <sub>3</sub>	Annual* 24 Hrs**	100 400	μg/m³		BDL	: <b></b> -	BDL



#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

Page 2 of 2

11	Pb	Annual*	0.50			BDL		BDL
_ ''	L D	24 Hrs**	1.0	μg/m³	~~	DDL		BDL
12	Ozone	08 Hrs*	100			BDL		BDL
12	Ozone	01 Hr *	180	μg/m³	**	DUL		BDL
13	Benzene	Annual*	05	μg/m³	AH.	BDL		BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m <sup>3</sup>	~~	BDL	See	BDL.
15	Arsenic	Annual*	06	ng/m <sup>3</sup>		BDL	0 <del>000</del> 3	BDL
16	Nickel	Annual*	20	ng/m <sup>3</sup>		BDL	=-	BDL

#### **REMARKS/OBSERVATIONS: -**

NAAQS: - National Ambient Air Quality Standards Limits as per NAAQS Monitoring & Analysis Guidelines Volume-I (2009) BDL-Below Detectable Level (<0.01 ppm)

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

CPCB\_ Notification 18.11.2009, - CNAARPS).

### NATIONAL AMBIENT AIR QUALITY STANDARDS CENTRAL POLLUTION CONTROL BOARD NOTIFICATION

New Delhi, the 18<sup>th</sup> November, 2009

No.B-29016/20/90/PCI-L—In exercise of the powers conferred by Sub-section (2) (h) of section 16 of the Air (Prevention and Control of Pollution) Act, 1981 (Act No. 14 of 1981), and in super session of the Notification No(s). S.O. 384(E), dated 11<sup>th</sup> April, 1994 and S.O. 935(E), dated 14<sup>th</sup> October, 1998, the Central Pollution Control Board hereby notify the National Ambient Air Quality Standards with immediate effect, namely:-

#### NATIONAL AMBIENT AIR QUALITY STANDARDS

				on in Ambient Air		
S. No.	Pollutant	Time Weighted average	Industrial, Residential, Rural and Other Area	Ecologically sensitive area (notified by Central Govt.)	Methods of Measurement	
(1)	(2)	(3)	(4)	(5)	(6)	
	2. 6	Annual*	50	20	<ul> <li>Improved West and</li> </ul>	
1	Sulphur Dioxide (SO <sub>2</sub> ), μg/m <sup>3</sup>	24 hours**	80	80	Geake • Ultraviolet fluorescence	
		Annual*	40	30	<ul> <li>Modified Jacob &amp;</li> </ul>	
/2	Nitrogen Dioxide (NO <sub>2</sub> ), μg/m <sup>3</sup>	24 hours**	80	80	Hochheiser (Na-Arsenite)  • Chemiluminescence	
	Particulate Matter	Annual*	60	60	Gravimetric	
/3	(size less than 10 µm) or PM <sub>10</sub> µg/m <sup>3</sup>	24 hours**	100	100	TOEM     Beta attenuation	
	Particulate Matter	Annual*	40	40	Gravimetric	
4	(size less than 2.5 microns) or PM <sub>2.5</sub> $\mu$ g/m <sup>3</sup>	24 hours**	60	60	<ul><li> TOEM</li><li> Beta attenuation</li></ul>	
		8 hours **	100	100	UV photometric	
5	Ozone (O <sub>3</sub> ) μg/m <sup>3</sup>	1 hour **	180	180	<ul><li>Chemiluminescence</li><li>Chemical method</li></ul>	
		Annual*	0.5	0.5	ASS / ICP method	
6	Lead (Pb) μg/m <sup>3</sup>	24 hours**	1.0	1.0	after sampling on EP 2000 or equivale filter paper  ED — XRF usin Teflon filter	

Main Gate   (Near Weigh Bidge Cabin)	Alline	Ambient Air Quality Monitoring Reports (Dec'22 to May'23)	nitoring Re	ports (L	)ec'22	to May	(3)																										
Main   Gate   Wear   Weigh   Edge   Cabin)	<u>.</u>	Description	NAAQS		چ	sults					h	15				igili III de																	
Jan   23   Feb   23   Mar   23   May   23	-	Name of Location	Limit	000			Main G	ate (Ne	ar Weig	eppia r	Cabin)					Dormitory	Area						Utility An	Utility Area (CGL Er	Utility Area (CGL Entry Elec. I	Utility Area (CGL Entry Elec. Room )	Utility Area (CGL Entry Elec. Room )	Utility Area (CGL Entry Elec. Room )	Utility Area (CGL Entry Elec. Room )	Utility Area (CGL Entry Elec. Room )		Utility Area (CGL Entry Elec. Room )  ACL:-Main Gate	
31.98   36.64   41.46   41.145   35.2   36.250   29.44   30.92   31.755   36.31   44.195   62.1     15.83   17.6   21.35   20.005   18.46   18.15083   14.78   16.26   15.89   19.1   22.115   29.86     5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL   5DL     5DL	2	Parameters	Monthwi	se Averag		c'22 Jar	723 Feb	)23 Ma	733 A	pr'23	Vay 23	_	Dec'22	Jan'23	Feb'23	Mar'23				Dec'22		23	Jan'23 Feb'2	Feb'23	Feb'23 Mar'23	Feb'23 Mar'23 Apr'23	Feb'23 Mar'23 Apr'23 May'23	Feb'23 Mar'23 Apr'23 May'23 Average	Feb'23 Mar'23 Apr'23 May'23 Average Dec'22	Feb'23 Mar'23 Apr'23 May'23 Average Dec'22 Jan'23	Feb'23 Mar'23 Apr'23 May'23 Average Dec'22 Jan'23 Feb'23	Feb'23 Mar'23 Apr'23 May'23 Average Dec'22 Jan'23 Feb'23 Mar'23	Feb'23 Mar'23 Apr'23 May'23 Average Dec'22 Jan'23 Feb'23
15.23   17.6   21.35   20.005   18.46   18.15083   14.78   16.26   15.89   19.1   22.115   29.86     SDI     SDI   SDI   SDI   SDI   SDI   SDI   SDI   SDI   SDI   SDI     12.14   9.495   10,7   10.240   13.01   11.333   12.43   10.37   10.145   9.82   11.2   15.2     12.14   9.495   10,7   10.240   13.01   11.333   12.43   10.37   10.145   9.82   11.2   15.2     12.14   9.495   10,7   10.240   13.01   13.31   12.43   10.37   10.145   9.82   11.2   15.2     12.14   9.495   10,7   10.240   13.01   13.31   12.43   10.37   10.145   9.82   11.2   15.2     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01   10.25     12.14   9.495   10,7   10.240   13.01   13.01   13.01   10.25     12.14   9.495   10,7   10.240   13.01   13.01   13.01   10.25     12.14   9.495   10,7   10.240   13.01   13.01   13.01   10.25     12.14   9.495   10,7   10.240   13.01   13.01   13.01   10.25     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   13.01   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   10.240   13.01   13.01   13.01   13.01   13.01   13.01     12.14   9.495   10,7   10.240   10.240   10.240   13.01	٦	DAVIC	100	- Links	+	-	_		-	1.145	35.2	36.250	29.44	30.92	31.755	=	-		39.12	31.95	30.7	7		35.19	35.19 36.91	35.19 36.91 35.32	35.19 36.91 35.32 31.02	35.19 36.91 35.32 31.02 33.515	35.19 36.91 35.32 31.02 33.515 42.31	35.19 36.91 35.32 31.02 33.515 42.31 45.34	35.19 36.91 35.32 31.02 33.515 42.31 45.34 48.72	35.19 36.91 35.32 31.02 33.515 42.31 45.34 48.72 43.27	35.19 36.91 35.32 31.02 33.515 42.31 45.34 48.72 43.27 48.52
SDL   SDL		Olean 1	60	10/1	+	-	-	_			18.46	18.15083	14.78	16 26	15.89	19.1	22 11		19.668	15.18	N	17.71		19.45	19.45 16.74	19.45 16.74 18.325	19.45 16.74 18.325 17.06	19.45 16.74 18.325 17.06 17.41	19.45 16.74 18.325 17.06 17.41 22.01	19.45 16.74 18.325 17.06 17.41 22.01 23.12	19.45 16.74 18.325 17.06 17.41 22.01 23.12 24.56	19.45 16.74 18.325 17.06 17.41 22.01 23.12	19.45 16.74 18.325 17.06 17.41 22.01 23.12 24.56 21.56
12.14 9.495 10.7   10.240 13.01   11.333 12.43 10.37 10.145 9.82 11.2 15.2     10.08 0.071 0.089 0.081 0.079 0.080 0.084 0.08 0.087 0.085 0.095 0.091     10.08 0.071 0.089 0.081 0.079 0.080 0.084 0.08 0.087 0.085 0.095 0.091     10.08 0.08 0.081 0.079 0.080 0.084 0.08 0.087 0.085 0.095 0.091     10.08 0.08 0.08 0.08 0.08 0.080 0.084 0.08 0.08		EW35	8 8	10/10/1	1	+	_	+	-	-+	BDL	BBL	BDL	BDL	BDI.	BDL	BDL		BDL	308		BDL	BDL BDL		108	BDI BDI BDI	108 108	BDI BDI BDI BDI	BDI BDI BDI BOI	BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL
9.08   9.071   9.089   9.081   9.079   9.080   9.084   9.08   9.081   9.091	1	NON	80 8	II/DII	1	-	-	7	-	$\neg$	13.01	11.333	12.43	10.37	10_145		11.2		11.528	15.09		12.81		10.55	10.55 11.75	10.55 11.75 9.425	10.55 11.75 9.425 13.2	10.55 11.75 9.425 13.2 12.138	10.55 11.75 9.425 13.2 12.138 13.24	1055 1175 9425 132 12138 13.24 10.71	10.55 11.75 9.425 13.2 12.138 13.24 10.71 8.96	10.55 11.75 9.425 13.2 12.138 13.24 10.71 8.96 10.23	10.55 11.75 9.425 13.2 12.138 13.24 10.71 8.96 10.23 12.05
SDT   SDT		CO (Hour)	0.4	ma/r		-	-	-	+		0.079	0,080	0.084	0.08	0.087	0.085	-	-	0.087	0.085		0.092		0.094	0.094 0.091	0.094 0.091 0.106	0.094 0.091 0.106 0.089	0.094 0.091 0.106 0.089 0.093	0.094 0.091 0.106 0.089 0.093 BDL	0.094 0.091 0.106 0.089 0.093 BDL BDL	0.094 0.091 0.106 0.089 0.093 BDL BDL BDL	0.094 0.091 0.106 0.089 0.093 BDL BDL BDL BDL	0.094 0.091 0.106 0.089 0.093 BDL BDL BDL BDL BDL
SDT   SDT	- 1	NH3	400	nd/n	-	-	-+		-	-	108	BDL	BDL	BDL	BDL	108	BDL	H	BDL	BDL	1	BDL	BDL BDL	108	BDL BDL	BDL BDL BDL	BDL BDL BDL BDL	BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BDL BDL BOL BOL	BOL BOL BOL BOL BOL BOL BOL BOL BOL
SDT   SDT		PB	-	пурц		-	-	=		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	H	BDL	BDL	-	BDL	+	BDL	BDL BDL	BDL BDL BDL	BDL BDL BDL BDL	BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL BDL
SDI	-	Ozone	180	л/би	7	$\dashv$				BDL	8DL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	10B	1	BDL	+	8DL	BDL BDL	BDL BDL BDL	109 TOR 108	801 801 801 801 801	BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL BDL	8DL 8DL 8DL 8DL 8DL 8DL 8DL
SDI   SDI		Benzene	5	μg/r	-	$\dashv$				BDL	BDL	BDL	BDL	BDL	BDL	BDL	308	-	BDL	BDL	tiii	108	+	BDL	8DL 3DI	BDL BDL BDL	BDL BDL BDL BDL	BOL BOL BOL BOL BOL	BDL BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	8DL 8DL 8DL 8DL 8DL 8DL 8DL 8DL
BDL BDL BDL BDL BDL BDL BDL BDL BDL BDL	~	Benzo(a)Pyrene	_	1/20			$\dashv$			BDL	1GB	BDL	BDL	BDL	8DL	BDL	BDL	H	BDL	108		BDL	H	BDL	BDL BDL	BDL BDL BDL	BOL BOL BOL BOL	BOL BDL BDL BDL BDL	BOL BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL BOL
BOL BOL BOL BOL BOL BOL BOL BOL BOL BOL	ω	Arsenic	6	ng/r	-	$\dashv$	-			108	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	+	801	+	30B	BDL BDL	BDL BDL BDL	BDL BDL BDL BDL	BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL BDL	BDL BDL BDL BDL BDL BDL BDL BDL
	4	Nickel	20	ng/r	n,	2.		-	-	10g	BDL.	108	BDL	BDL	BDL	BDL	BDL		BDL	TOB		BDL	BDL BDL		BDL BDL	BDL BDL BDL	BDL BDL	BOL BOL BOL BOL BOL	BOL BOL BOL BOL	BDL BDL BDL BDL BDL BDL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL	BOL BOL BOL BOL BOL BOL BOL
	Mr. Atin N. Raut	•	10			71																											



POSCO Maharashtra Steel Pvt. Ltd. Annexure - II Head Office - C-1, Ville Bhagad MIDC Industrial area, Tal- Mangaon,

Dist -Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com/Aek Copy of Afelin CIN-U27100MH2009PTC190873

Date: 30<sup>th</sup> April, 2023

PMSPL/ENV/MPCB/AAQM/04/2023

To.

The Sub-Regional Officer,

Maharashtra Pollution Control Board, CFC Building, MIDC Mahad, Raigad

Sub-Submission of Fortnightly Ambient Air Quality Monitoring Reports (Period from Jan~Mar'23)

Respected Madam,

With reference to above subject, we would like to submit herewith Ambient Air Quality Monitoring Report [AAQM] (Period from Jan~Mar'23) as pe The National Ambient Air Quality Standard (NAAQS)-CENTRAL POLLUTION CONTRO BOARD NOTIFICATION New Delhi, the 18th November, 2009.

#### Details are as follows:

	Name			Results	,														
S. N	of Place	NAAQS Limit	MOU	Main	Gate ( Bidge C	Near W labin)	eigh		Dormito	ry Area		Utility	Area (C Roo	GL Entry m)	/ Elec.	Α	CL-Ma	in Gat	e
1	Para meters	Mont Avei Sam		Jan' 23	Feb <sup>*</sup> 23	Mar' 23	Avg	Jan' 23	Feb' 23	Mar' 23	Avg	Jan <sup>†</sup> 23	Feb' 23	Mar' 23	Avg	Jan' 23	Feb' 23	Mar' 23	Avg
2	PM <sub>10</sub>	100	μg/m³	31.9	36.6	41.4	36.6	30.9	31.7	36.3	32.9	30.7	35.1	36.9	34.2	45.3	48.7	43.2	45.7
3	PM <sub>25</sub>	60	μg/m³	15.8	17.6	21.3	18.2	16.2	15.8	19.1	17.0	17.7	19.4	16.7	17.9	23.1	24.5	21.5	23.0
4	SO2	80	μg/m³	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	NOX	80	μg/m³	12.1	9.49	10.7	10.7	10.3	10.1	9.82	10.1	12.8	10.5	11.7	11.7	10.7	8.96	10.2	9.9
6	CO (1Hr)	0.4	mg/m³	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	BDL	BDL	BDL	BDI

#### Name of External Lab: M/s Horizon Services Analytical Laboratory, Pune

Lab Approved by MoEF, New Delhi. [Valid Till 05/02/2024].

Lab NABL Accredited -Testing - Chemical Field (TC-7064).

This is for your kind information & Compliance under Consent To Operate (CTO)\_Renewal conditions & EC Conditions .

Kindly acknowledge the receipt of the same.

Thanking you

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut AGM-EHS

**Enclosure:** 

Reports Copy of Fortnightly Ambient Air Quality Monitoring Reports (Period from Jan~Mar'23)

Sub Regional Office
Sub Regional Control Board C.F.C. Building MDC. Mahad. Dist Raigad, Pin - 40230

1 Vile/Bhagad, MIDC Industrial Area, Tal – Mangaon, Dist: Raigad, Maharashstra- 402 308

Copy of MPCB Quarterly Compliance Cor plant
Annexure-II 0500 Acknowledgement MAHARASHTRA

PMSPL/ENV/MPCB/CGL-CTO/Comp-01/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board,

MIDC Area, Mahad, Raigad.

Sub: Quarterly Statement in respect of obligation towards Consent to Operate & Pollution Control Compliances of Quarter (Jan~Mar, 2023) - CGL Plant.

Consent No: Format1.0/CAC/UAN No.0000128520/CR/2204000648, Date 12/04/2022, Valid till 28/02/2027

Respected Sir,

With above reference, we would like to submit quarterly compliance report of Quarter Jan~Mar,2023 w.r.t. conditions given in consent to operate of CGL-Plant are as follows:-

S. N.	Annexure	Enclosure Contents
1	Annexure I	CGL-Quarterly Statement in respect of obligation towards Consent to Operate & Pollution Control Compliances of 1 <sup>st</sup> Quarter. [Period From Jan~ Mar, 2023].
	Annexure IIA	Analysis Report of Effluent Treatment Plant details (CGL-Plant). [Jan~ Mar, 2023].
2	Annexure IIB	MPCB JVS Sampling Reports & External MoEF approved Lab. Reports along with Drinking Water & Ground Water Sample analysis reports respectively. [Jan~Mar, 2023].
	Annexure IIC	P-MH Internal Lab. Reports [Period From Jan~ Mar, 2023].
3	Annexure III	Ambient Air Quality Monitoring Composite Reports (AAQM) for Period from Jan~Mar, 2023 as per NAQM standard 2009 through MoEF approved Laboratory.
4	Annexure IV	CGL-Air (Source Emission) Stack Monitoring Reports for Period Jan'23.
	Annexure V	Non-Hazardous Waste disposal Details. [Period From Jan~ Mar, 2023].
	Annexure VA	Hazardous Waste disposal Details. [Period From Jan~ Mar, 2023].
5	Annexure VB	Intimation of Hz waste disposal to MPCB. [Period From Jan~ Mar, 2023].
	Annexure VC	CGL-Annual Returns Form-IV submitted on MPCB Portal on 23 <sup>rd</sup> Jun'22.
6	Annexure VI	Ack, copy of Half Yearly FC Compliance Conditions Report (Period From Jun, 2022~Nov, 2022)
7	Annexure VII	Environmental Audit Report (Form-V) for FY: 2021-2022 submitted on MPCB Portal on 29 <sup>th</sup> Sep'22.
8	Annexure VIII	CGL-ETP Electricity Consumption details [Period From Jan~ Mar, 2023].
9	Annexure IX	Reports of CGL- Work zone Air & Ambient Noise Level Monitoring [Period From Jan~ Mar, 2023].
10	Annexure X	Acknowledgement copy of Last Quarterly Statement [Period From Oct~ Dec, 2022].

This is for your kind information & compliance under Consent to operate conditions & EC conditions.

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

**Authorized Signatory** 

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

Sr. Mgr. - EHS

Sub Regional Office Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306

MAHARASHTRA Acknowledgement Copy of MPCB Quarterly Compliance-CRM Plant

PMSPL/ENV/MPCB/CRM/CTO-Comp-01/2023

Date: 17<sup>th</sup> April, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, CFC Building MIDC Area, Mahad, Raigad.

Sub: Quarterly statement in respect of obligation towards Consent to Operate & Pollution Control Compliances of Quarter (Jan~Mar, 2023) - CRM Plant.

Ref No: - 1.0/BO/CAC-Cell/Auto-renewal/UAN No: 0000047766-18/CAC-1806000029, dt-01/06/2018

Respected Sir,

With above reference, we would like to submit herewith compliance report Quarter Jan~Mar, 2023 w.r.t.

conditions given in consent to operate of Cold Rolling Mill (CRM) Plant are as follows-

S. No	Annexure	Enclosure Contents
1	Annexure I	CRM-Quarterly Statement in respect of obligation towards Consent to Operate and Pollution Control Compliances of 1 <sup>st</sup> Quarter. [Period From Jan~ Mar, 2023].
	Annexure IIA	Analysis Report of ETP Plant details (CRM-ACL Common ETP) [Jan~Mar'23].
2	Annexure IIB	MPCB JVS Sampling Reports & External MoEF approved lab. Reports along with Drinking Water & Ground Water Sample analysis reports respectively.
	Annexure IIC	P-MH Internal CGL & CRM Plant WWTP Reports- Jan~Mar'23.
3	Annexure III	CRM-Air (Source Emissions) Stack Monitoring Reports [Period Feb'23].
4	Annexure IVA	Analysis Results of Ambient Air Quality Monitoring (AAQM) for Jan~Mar'23 as per NAQM standard 2009 through MoEF approved Lab. [Frequency- Fortnightly].
	Annexure IVB	Work zone Air Monitoring Reports. [Period Feb'23].
5	Annexure V	Disposal details of Non-Hazardous Waste details [Period From Jan~Mar'23].
	Annexure VIA	Details of Hazardous Waste disposal. [Period From Jan~Mar'23].
6	Annexure VIB	Intimation of Hz waste disposal to MPCB. [Period From Jan~Mar'23].
7	Annexure VII	CRM-Annual Returns Form-IV Online submitted on MPCB Portal on dated 22 <sup>nd</sup> June, 2022
8	Annexure VIII	CRM-Ambient Noise Level Monitoring [Period From Jan~Mar'23].
9	Annexure IX	CRM- ETP Electricity Consumption details [Period From Jan~Mar'23].
10	Annexure X	Environmental Audit Report (Form-V) for FY: 2021-22 submitted on MPCB Portal_29 <sup>th</sup> Sep'22
11	Annexure XI	Acknowledgement copy of Last Quarterly Statement [Period From Oct~ Dec, 2022].
12	Annexure XII	Acknowledgement copies of Submitted Half yearly EC Compliance (Jun~Nov'22)

This is for your kind information & Compliance under Consent to Operate Conditions & EC Conditions.

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

Sr. Mgr.-EHS

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POSCO - Acknowledgement Copy of MPCB Churterly compliance. Ackplant

MAHARASHTRA
PMSPL/ENV/MPCB/ACL/CTO-Comp-01/2023

Date: 13<sup>th</sup> April, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, CFC Building MIDC Area, Mahad, Raigad.

Sub: Quarterly Statement in respect of obligation towards Consent to Operate (CTO) & Pollution Control Compliances of Quarter (Jan ~Mar, 2023) - ACL Plant.

Consent No:1.0/BO/CAC-Cell/UAN No:-92026-20/ Autorenewal CAC-2006000453, date: 10/06/2020

#### Respected Madam,

With above reference, we would like to submit herewith compliance report of Quarter **Jan~Mar, 2023** w.r.t. Conditions given in consent to operate of Electrical steel (ACL) plant are as follows-

S. No	Annexure	Enclosure Contents
1	Annexure I	Quarterly Compliance Statement in respect of obligation towards Consent to Operate & Pollution Control Compliances of Quarter 1 <sup>st</sup> . [Period From Jan~ Mar, 2023].
	Annexure-IIA	Analysis Report of ACL-Effluent Treatment Details [Jan~ Mar, 2023].
2	Annexure-IIB	MPCB JVS Sampling Reports & External MoEF approved Lab. Reports along with Drinking water & Ground Water Sample analysis reports. [Period From Jan~ Mar, 2023].
	Annexure-C	P-MH CGL & CRM Plant Internal Lab. Reports [Period From Jan~ Mar, 2023].
3	Annexure III	ACL- Air (Source Emissions) Stack Monitoring Reports [March, 2023].
4	Annexure IV	Ambient Air Quality Monitoring (AAQM) Composite Reports- Period from Jan~ Mar, 2023 as per NAQM standard 2009 through MoEF approved Lab. [Monitoring Frequency- Fortnightly]
	Annexure V	Details of Non- Hazardous Waste disposal. [Period From Jan~ Mar, 2023].
_	Annexure VA	Hazardous Waste disposal Details. [Period From Jan~ Mar, 2023].
5	Annexure VB	Intimation of Hz waste disposal to MPCB. [Period From Jan~ Mar, 2023].
	Annexure VC	Annual Returns Form-IV Online submitted on MPCB Portal on June 17 <sup>th</sup> , 2022.
6	Annexure VI	Environmental Audit Report (Form-V) for FY: 2021-22 Submitted on MPCB Portal_29 <sup>th</sup> Sep'22
7	Annexure VII	ACL & CRM- Common ETP Electricity Consumption details. [Period From Jan~ Mar, 2023].
8	Annexure VIII	ACL- Work zone Air & Ambient Noise Monitoring Report [Period Jan~ Mar, 2023].
9	Annexure IX	Acknowledgement Copies of Last Quarterly Statement. [Period From Oct~ Dec, 2022].
10	Annexure X	Acknowledgement copies of Submitted Half yearly EC Compliance (Jun~Nov'22)

This is for your kind information & compliance under Consent to operate conditions & EC conditions.

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut Sr. Manager- EHS Maharashtra Pollution Control Maharashtra Pollution MIDC, Mahad, C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402309



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

14, S. No. 10, Erandawane Housing Society Opposite Department Managerital Point 44004

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. Mobile: 7249867318, 8378018710
 Tel.: 020 - 25460202, 25460203.
 Email: kmn@hespl.co.in / md@hespl.co.in
 www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/13937
	REPORT DATE	06/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/636
Ltd.	SAMPLING DATE	30&31/01/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	01/02/2023
Industrial Area, Tal - Mangaon, Dist	START DATE OF ANALYSIS	
<ul> <li>Raigad, Maharashtra 402308</li> </ul>	END DATE OF ANALYSIS	
	SAMPLING REF. / SOP NO.	HS/NABL/Amb-noise/01

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services	(222)	V.	Main Gate (Near Weigh Bridge Cabin)

RESULTS **MPCB TEST METHOD** SR. NO. UNIT **RESULTS DESCRIPTION** LIMITS REFERENCE DATE TIME 30/01/2023 13:09 dB(A) 64.2 2 30/01/2023 14:09 dB(A) 63.1 3 30/01/2023 15:09 dB(A) 75.7 4 30/01/2023 77.4 16:09 dB(A) Lab SOP Based on IS 9989-5 30/01/2023 17:09 dB(A)74.2 1981 / CPCB 6 30/01/2023 18:09 67.0 dB(A)Protocol for Ambient Noise 7 30/01/2023 19:09 dB(A) 67.5 Level Monitoring 8 30/01/2023 20:09 66.2 dB(A)July 2015, CPCB Regulation 9 30/01/2023 21:09 dB(A)65.5 on Ambient Noise and 10 30/01/2023 22:09 dB(A) 65.7 Manufacturers Manual 11 30/01/2023 23:09 dB(A) 65.5 12 31/01/2023 00:09 dB(A) 66.7 31/01/2023 01:09 66.5 13 dB(A)14 31/01/2023 02:09 dB(A) 67.5 15 31/01/2023 03:09 dB(A) 68.3



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

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						Page 2 01 2
6	31/01/2023	04:09	dB(A)	64.9	****	
7	31/01/2023	05:09	dB(A)	65.4		
8	31/01/2023	06:09	dB(A)	69.6		
9	31/01/2023	07:09	dB(A)	66.2		
0	31/01/2023	08:09	dB(A)	67.1		
1	31/01/2023	09:09	dB(A)	74.5		
2	31/01/2023	10:09	dB(A)	76.9		
3	31/01/2023	11:09	dB(A)	74.0		
4	31/01/2023	12:09	dB(A)	65.9		
				00.0		
			Day			
			Time			
			(Leq)	69.68		
			L10	71.6		
			L50	68.5		
			L90	65.3	/ saint	
			Lmax	84.8		
			Lmin	63.0		
			Night		(case)	
			Time	22.04		
			(Leq)	66.31		
			L10	67.5		
			L50	65.2		
			L90	63.8		
			Lmax	83.1		
			Lmin	62.4		

Instrument Used: DIGITAL Sound Level Meter-4(data logging) Q666934

Make. Lutron Make

Calibration Date: 19/01/2023 Next Calibration Due: 18/01/2024

#### REMARK/OBSERVATIONS:

**LIMITS** - ≤75 dB (A) For Day Time (06.00 am to 10.00 pm) ≤70 dB (A) For Night Time (10.00 pm to 06.00 am)

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

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\*\*\*\*End of Test Report\*\*\*\*

• Sample will be retained only for 15 days. • Above results indicate to the parameters mentioned only. • Liability limited till issue of test reports only.

The test report shall not be produced for any legal identity or advertised without permission of lab.

• The effect of results relate only to the item tested.



Febl 23. - CAL UHTITY

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

		110/2/10/10/10/2/17/10/2/1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/15213
	REPORT DATE	06/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/699
Ltd.	SAMPLING DATE	27&28/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	01/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	( <del></del>
	SAMPLING REF. / SOP NO.	HS/NABL/Amb-noise/01

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon	(Mark)		Utility Area (CGL Entry
	Services			Electrical Room Top)

#### RESULTS

SR. NO.	DESCRI	PTION	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	27/02/2023	12:23	dB(A)	65.1		Lab SOP Based on IS 9989-
2	27/02/2023	13:23	dB(A)	66.0		1981 / CPCB
3	27/02/2023	14:23	dB(A)	66.8		Protocol for Ambient Noise
4	27/02/2023	15:23	dB(A)	67.7	202	Level Monitoring
5	27/02/2023	16:23	dB(A)	66.1		July 2015, CPCB Regulation
6	27/02/2023	17:23	dB(A)	66.0		on Ambient Noise and
7	27/02/2023	18:23	dB(A)	64.6		Manufacturers Manual
8	27/02/2023	19:23	dB(A)	63.7		
9	27/02/2023	20:23	dB(A)	63.7		1
10	27/02/2023	21:23	dB(A)	65.6		1
11	27/02/2023	22:23	dB(A)	62.8		
12	27/02/2023	23:23	dB(A)	61.8		1
13	28/02/2023	00:23	dB(A)	61.4		1
14	28/02/2023	01:23	dB(A)	61.0		1
15	28/02/2023	02:23	dB(A)	66.1		



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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16	28/02/2023	03:23	dB(A)	62.1		
17	28/02/2023	04:23	dB(A)	58.7	( <del>100</del> )	
18	28/02/2023	05:23	dB(A)	64.0		
19	28/02/2023	06:23	dB(A)	60.1	144	
20	28/02/2023	07:23	dB(A)	59.8		
21	28/02/2023	08:23	dB(A)	59.5	:HH	
22	28/02/2023	09:23	dB(A)	61.7		
23	28/02/2023	10:23	dB(A)	70.2		
24	28/02/2023	11:23	dB(A)	63.9		
			Day Time			
			(Leq)	64.41		
			L10	65.5		
			L50	60.9		
			L90	59.0		
	The state of the s		Lmax	83.5		
			Lmin	57.0		
			Night Time			
			(Leq)	62.24	20	
			L10	62.8		
			L50	59.1	==	
			L90	57.4		
			Lmax	81.1		
			Lmin	56.1		

Instrument Used: Sound Level Meter-Data Logging Type Q666937

Make. Lutron Instruments Calibration Date: 19/01/2023 Next Calibration Due: 18/01/2024

REMARK/OBSERVATIONS:

LIMITS - Refer Noise Annexure Enclosed

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **Noise Annexure**

#### THE NOISE POLLUTION (REGULATION AND CONTROL) RULES, 2000

(The Principal Rules were published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

#### SCHEDULE

(see rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB	(A) Leq*
Code		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Note:- 1. Day time shall mean from 6.00 a.m. to 10.00 p.m.

2. Night time shall mean from 10.00 p.m. to 6.00 a.m.

- Silence zone is an area comprising not less than 100 metres around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority
- Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.







Ambieut Notse Level Monitoring

Mari 23. (CRM-Dormitory
And)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7 8 2 1

	TIOLE (DITY (DE) 17.0.2.1
REPORT NO	HS/LAB/AA/16358
REPORT DATE	28/03/2023
LAB REFERENCE NO.	HS/LAB/AA/755
SAMPLING DATE	20&21/03/2023
SAMPLE RECEIPT DATE	23/03/2023
START DATE OF ANALYSIS	
END DATE OF ANALYSIS	
SAMPLING REF. / SOP NO.	HS/NABL/Amb-noise/01
	REPORT DATE  LAB REFERENCE NO.  SAMPLING DATE  SAMPLE RECEIPT DATE  START DATE OF ANALYSIS  END DATE OF ANALYSIS

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services			Dormitory Area (cpm)
		RESULTS		

SR. NO.	DESCRI	PTION	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	20/03/2023	12:37	dB(A)	66.0		
2	20/03/2023	13:37	dB(A)	64.9		
3	20/03/2023	14:37	dB(A)	66.0		
4	20/03/2023	15:37	dB(A)	61.6		1
5	20/03/2023	16:37	dB(A)	62.5		Lab SOP Based on IS 9989- 1981 / CPCB
6	20/03/2023	17:37	dB(A)	65.2		
7	20/03/2023	18:37	dB(A)	65.4		Protocol for Ambient Noise
8	20/03/2023	19:37	dB(A)	61.2		Level Monitoring July 2015, CPCB Regulation
9	20/03/2023	20:37	dB(A)	63.5		on Ambient Noise and
10	20/03/2023	21:37	dB(A)	59.1		Manufacturers Manual
11	20/03/2023	22:37	dB(A)	56.7		Waliulactule S Waliual
12	20/03/2023	23:37	dB(A)	58.7		
13	21/03/2023	00:37	dB(A)	61.8		
14	21/03/2023	01:37	dB(A)	54.4		
15	21/03/2023	02:37	dB(A)	59.5		



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

Page 2 of 2

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16	21/03/2023	03:37	dB(A)	58.1		
17	21/03/2023	04:37	dB(A)	60.3	: 00-00/	
18	21/03/2023	05:37	dB(A)	67.0		
19	21/03/2023	06:37	dB(A)	66.6		
20	21/03/2023	07:37	dB(A)	66.5		
21	21/03/2023	08:37	dB(A)	64.7		
22	21/03/2023	09:37	dB(A)	60.7		
23	21/03/2023	10:37	dB(A)	66.7	( <del>122</del> ),	
24	21/03/2023	11:37	dB(A)	65.8		
			Day Time		-	
			(Leq)	64.24		
			L10	66.0		
			L50	59.4	-22/	
			L90	53.9		
			Lmax	79.2		
			Lmin	48.1		
			Night			
			Time			
			(Leq)	59.36		
			L10	65.0		
		251	L50	55.1		
			L90	48.8		
			Lmax	79.0		
1			Lmin	44.6		

Instrument Used: DIGITAL Sound Level Meter (data logging) Q666937

Make. Lutron Make

Calibration Date: 19/01/2023 Next Calibration Due: 18/01/2024

**REMARK/OBSERVATIONS:** 

LIMITS - Refer Noise Annexure Enclosed

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **SCHEDULE**

(see rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area / Zone	Limits in dB	(A) Leq*
Code		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(c)	Residential area	55	45
(D)	Silence Zone	50	40

Note:- 1. 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. 2.

Silence zone is an area comprising not less than 100 metres 3. around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority

4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.





"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01637
	REPORT DATE	04/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/068
Ltd.	SAMPLING DATE	26&27/04/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	28/04/2023
Industrial Area, Tal - Mangaon, Dist	START DATE OF ANALYSIS	
<ul> <li>Raigad, Maharashtra 402308</li> </ul>	END DATE OF ANALYSIS	
	SAMPLING REF. / SOP NO.	HS/NABL/Amb-noise/01

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services	1.77		Main Gate (Near Weigh Bridge Cabin)

SR. NO.	DESCRI	PTION	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	26/04/2023	17:00	dB(A)	72.5		
2	26/04/2023	18:00	dB(A)	71.7		
3	26/04/2023	19:00	dB(A)	72.5		
4	26/04/2023	20:00	dB(A)	72.4		
5	26/04/2023	21:00	dB(A)	73.2		Lab SOP Based on IS 9989- 1981 / CPCB Protocol for Ambient Noise
6	26/04/2023	22:00	dB(A)	70.8		
7	26/04/2023	23:00	dB(A)	69.9		
8	27/04/2023	00:00	dB(A)	69.8		<ul> <li>Level Monitoring</li> <li>July 2015, CPCB Regulation</li> </ul>
9	27/04/2023	01:00	dB(A)	69.0		on Ambient Noise and
10	27/04/2023	02:00	dB(A)	69.4		Manufacturers Manual
11	27/04/2023	03:00	dB(A)	68.7		Mandiacturers Mandai
12	27/04/2023	04:00	dB(A)	68.2		
13	27/04/2023	05:00	dB(A)	67.9		
14	27/04/2023	06:00	dB(A)	67.0		
15	27/04/2023	07:00	dB(A)	68.7		



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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Page 2 of 2

						Page 2 01 2
16	27/04/2023	08:00	dB(A)	67.8		
17	27/04/2023	09:00	dB(A)	70.4		
18	27/04/2023	10:00	dB(A)	72.0		
19	27/04/2023	11:00	dB(A)	71.9		
20	27/04/2023	12:00	dB(A)	71.4		
21	27/04/2023	13:00	dB(A)	71.0		
22	27/04/2023	14:00	dB(A)	68.9		
23	27/04/2023	15:00	dB(A)	71.3		
24	27/04/2023	16:00	dB(A)	68.5		
			1 1			
			Day			
			Time			
			(Leq)	71.14		
			L10	72.4		
			L50	69.4		
			L90	67.1		
			Lmax	89.8		
			Lmin	63.3		
			Night			
			Time		377	
			(Leq)	68.35		
			L10	69.3		
			L50	67.1		
			L90	65.7		
			Lmax	88.0		
			Lmin	64.5		

Instrument Used: DIGITAL Sound Level Meter-4(data logging) Q666934

Make. Lutron Make

Calibration Date: 19/01/2023 Next Calibration Due: 18/01/2024

#### **REMARK/OBSERVATIONS:**

**LIMITS** - ≤75 dB (A) For Day Time (06.00 am to 10.00 pm) ≤70 dB (A) For Night Time (10.00 pm to 06.00 am)

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



D. Crset Note Level Monitoring

CGE, CRM & AEL-Line
27th April 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. Mobile: 7249867318, 8378018710
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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01638
	REPORT DATE	04/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/068
Ltd.	SAMPLING DATE	27/04/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	28/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
DG-Noise	Horizon Services			

RESULTS

SR. NO.	TEST LOCATION	UNIT	READING	STANDARDS
	CGL- D.G. Set 2000 KVA			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	104.2	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.3	
03	INSERSION LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER	dB(A)	30.9	More than 25
	CRM- D.G. Set 2000 KVA			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	103.2	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.1	
03	INSERSION LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER	dB(A)	30.1	More than 25
	ACL- D.G. Set 600 KVA			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	101.5	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.2	
03	INSERSION LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER	dB(A)	28.3	More than 25

Instrument Used: Digital Sound Level Meter (N520311)

Make. HTC Instruments

Calibration Date: 16/06/2022 Next Calibration Due: 15/06/2023

#### **REMARKS/OBSERVATIONS:**

\*Standards are given as per CPCB notification no. G.S.R. 371(E) dated 17 may 2002.

MANISHA NARGOLKAR (Lab Incharge)

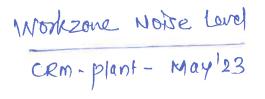
For HORIZON SERVICES

\*\*\*\*End of Test Report\*\*\*\*

#### **DISCLAIMER:**

 Sample will be retained only for 15 days.
 Above results indicate to the parameters mentioned only.
 Liability limited till issue of test reports only. The test report shall not be produced for any legal identity or advertised without permission of lab.
 The effect of results relate only to the item tested.





#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

	110/2 (2/11)
REPORT NO	HS/LAB/AA/02147
REPORT DATE	18/05/2023
LAB REFERENCE NO.	HS/LAB/AA/096
SAMPLING DATE	12/05/2023
SAMPLE RECEIPT DATE	12/05/2023
START DATE OF ANALYSIS	V <del></del>
END DATE OF ANALYSIS	/ <del>                                     </del>
SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21
	REPORT DATE  LAB REFERENCE NO.  SAMPLING DATE  SAMPLE RECEIPT DATE  START DATE OF ANALYSIS  END DATE OF ANALYSIS

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Workzone Noise	Horizon Services		**	~-

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULTS	FACTORIES ACT
	TEST LOCATIONS		Day Time 12:00 Hrs.	
Α.	CAL LINE			
01	Shipping Control Line CAL Area	dB(A)	78.2	90
02	Near Entry Side - CAL Line	dB(A)	79.2	90
03	CAL - Furnace Area	dB(A)	75.8	90
04	CAL - Precleaning Section	dB(A)	79.3	90
05	CAL - Entry Looper	dB(A)	74.1	90
06	CAL - Delivery Looper	dB(A)	79.6	90
07	CAL - Skin Pass Mill Area	dB(A)	82.0	90
08	CAL - Delivery Area	dB(A)	73.8	90
B.	CRM UTILITY AREA	10.50		
09	Utility Area- DM Plant	dB(A)	77.1	90
10	WWTP Area- Pump House	dB(A)	84.0	90
11	WWTP Area- Chemical Storage Area	dB(A)	68.2	90
12	WWTP Area- EDR Section	dB(A)	74.0	90
13	WWTP Area- ZLD Section	dB(A)	59.2	90
14	Utility Area- Boiler Area	dB(A)	77.4	90
15	Utility Area- Near Compressor Room	dB(A)	88.2	90
16	Utility Area- Cooling Tower	dB(A)	73.4	90
C.	PCM	* *		
17	Product Yard- CAL	dB(A)	73.9	90
18	Entry Raw Material Yard- CAL	dB(A)	68.2	90
19	Pickling Line Entry Area	dB(A)	67.3	90
20	Near Roll Shop Area (Grinding Pulpit)	dB(A)	75.2	90
21	Roll Shop Bearing Maintenance	dB(A)	74.8	90
22	Pickling Line Centre Area	dB(A)	70.1	90
23	TCM Mill Area	dB(A)	88.0	90
24	Coolant Filtration Area	dB(A)	68.4	90



#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

Page 2 of 2

				3
25	ARP Plant	dB(A)	68.3	90
26	TCM- Celler Room	dB(A)	82.8	90
27	TCM- Product Yard	dB(A)	74.2	90
28	HR Coil Storage Yard	dB(A)	70.2	90
29	CR Coating Shop	dB(A)	78.3	90
30	CPL Area	dB(A)	81.3	90

Instrument Used: Digital Sound Level Meter (N520311)

Make. HTC Instruments

Calibration Date: 16/06/2022 Next Calibration Due: 15/06/2023

**REMARK/OBSERVATIONS:** 

Limit - 90 dB (A) for continuous 8 hrs. exposure

Noise monitoring results are well within the limits prescribed by factories act Limits.

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

		TIOLE (BITTY (BEIT 71:0.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02148
	REPORT DATE	18/05/2023
M/s Posco-Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	12/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	***
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Workzone Noise	Horizon Services	#E		

		RESULTS		
SR. NO.	DESCRIPTION	UNIT	RESULTS	FACTORIES ACT LIMITS
	TEST LOCATIONS		Day Time 14:30 Hrs.	
D.	ACL LINE			
01	Near Entry Pulpit Area	dB(A)	81.8	90
02	Near Main Pulpit Area	dB(A)	62.3	90
03	Near Packing Area (From Office)	dB(A)	76.2	90
04	Near Furnace Area	dB(A)	74.8	90
05	Air Cooling Section (ACS)	dB(A)	72.9	90
06	Near Coater Room Area	dB(A)	78.3	90
07	Near Chemical Storage Room Area	dB(A)	74.3	90
08	Near Logistic Office (Dispatch Gate) Area	dB(A)	78.9	90

Instrument Used: Digital Sound Level Meter (N520311)

Make. HTC Instruments

Calibration Date: 16/06/2022 Next Calibration Due: 15/06/2023

#### **REMARK/OBSERVATIONS:**

Limit - 90 dB (A) for continuous 8 hrs. exposure

Noise monitoring results are well within the limits prescribed by factories act Limits.

For HORIZON SERVICES

Menayalkar

MANISHA NARGOLKAR (Lab Incharge)



#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.
• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 2 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02149
	REPORT DATE	18/05/2023
M/s Posco-Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	12/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	**
	SAMPLING REF. / SOP NO.	HS/OI/AIR/AA/21

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Workzone Noise	Horizon Services	***	***	(***)

RESULTS RESULTS						
SR. NO.	DESCRIPTION	UNIT	RESULTS	FACTORIES ACT LIMITS		
	TEST LOCATIONS		Day Time 10:00 Hrs.			
E.	CGL LINE					
01	Shipping Control Room	dB(A)	73.4	90		
02	Near Entry side of CGL Line	dB(A)	73.9	90		
03	Near Zinc pot Area	dB(A)	85.0	90		
04	Near Furnace	dB(A)	83.0	90		
05	Near Centre Pulpit Area	dB(A)	69.2	90		
06	CLG Blower Room	dB(A)	85.8	90		
07	Pot Roll Cleaning Shop	dB(A)	74.3	90		
08	Pre-Cleaning Treatment Section	dB(A)	78.2	90		
F,	CGL UTILITY					
09	Utility Area – DM Plant	dB(A)	72.4	90		
10	Utility Area – ETP Plant	dB(A)	84.9	90		
11	Utility Area – Boiler Area	dB(A)	73.3	90		
12	Near Compressor Room	dB(A)	73.2	90		
G.	CGL ENTRY LAB					
13	Exit Product Yard	dB(A)	72.6	90		
14	Entry Raw Material	dB(A)	68.8	90		
15	Near Skin Pass Mil Area	dB(A)	75.3	90		
16	Near Roll Shop Area	dB(A)	74.2	90		
17	CGL Laboratory Room (Shearing m/c)	dB(A)	68.4	90		
18	Exit Inspection Room	dB(A)	77.2	90		
19	RCL Area	dB(A)	79.5	90		
20	CPL Area	dB(A)	77.8	90		



#### Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Tel.: 020 - 25460202, 25460203, 25460023, 25460033. • Email: kmn@hespl.co.in / md@hespl.co.in ◆ www.hespl.co.in

Page 2 of 2

Instrument Used: Digital Sound Level Meter (N520311)

Make. HTC Instruments

Calibration Date: 16/06/2022 Next Calibration Due: 15/06/2023

#### **REMARK/OBSERVATIONS:**

Limit - 90 dB (A) for continuous 8 hrs. exposure

Noise monitoring results are well within the limits prescribed by factories act Limits.

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



# Annexur IV: Annual Returns ttz Waste. Maharashtra Pollution Control Board for Fy - 2021-2022 महाराष्ट्र प्रदूषण नियंत्रण मंडळ Form- IV - CGL-Line,

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

#### FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unique Application Number:** 

Submitted On:

MPCB-HW ANNUAL RETURN-0000028839

23-06-2022

Submitted for Year:

April 2021 to March 2022

1. Name of the generator/operator of facility Address of the unit/facility

DSCO Maharashtra Steel Pvt. Ltd.

C-1/1 & C-1 (Part-1), MIDC Vile- Bhagad, Tal-Mangaon, Dist-Raigad

1b. Authorization Number

Date of issue

Date of validity of consent

1.0/CAC/UAN No.0000128520/CR/2204000648

Apr 12, 2022

Feb 28, 2027

2. Name of the authorised person

Full address of authorised person

Kwang Soo Kim

Plot No- C-1 & C-1 Part, Vile-Bhagad MIDC, Tal-Mangaon, Dist-

Raigad, 402308

Telephone

Fax

**Email** 

02140661182

02140661198

kks@posco.com

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Iron & Steel	Galvanized Coils/Sheets	450000.0000	386090	Ton/Y
Iron & Steel	H2 Gas	204.0000	103.33	Ton/Y
Iron & Steel	N2 Gas	89280.0000	35512	Ton/Y

#### PART A: To be filled by hazardous waste generators

#### 1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Used Oil	24.000	18.63	MTA
6.3 Other residues from processing of zinc ash or skimmings	Zinc Dross	2400.000	1555.43	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	840.000	450.32	MTA
12.1 Acidic and alkaline residues	Alkali Sludge	48.000	19.96	MTA
	Waste Chrome solution (Chromic waste)	24.000	9.37	MTA
1.6 Spent catalyst and molecular sieves	Spent catalyst & molecular sieves	0.760	0.00	MTA

hazardous chemicals /wastes	MS/HDPE drums, IBC's			
2. Quantity dispatched category	wise.	9		
Type of Waste 5.1 Used or spent oil	<b>Quantity of waste</b> 18.63	<b>UOM</b> MTA	<b>Dispatched to</b> Recycler or Actual user	Facility Name M/s. Lubstar Petrochem Industries , C-29, MIDC Mahad.
6.3 Other residues from processing of zinc ash or skimmings	1555.43	MTA	Recycler or Actual user	M/s. Reliable Metal Refinary, W-185, TTC , MIDC Pavane Village, Thane- Belapur Road, Navi Mumbai & DYNAMIC METALS & ALLOYS LLP. Block No./ S.No. 176, Gambhoi to Ranasan Road, Bhavpur, Sabarkantha,Guja
35.3 Chemical sludge from waste water treatment	450.32	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF)
12.1 Acidic and alkaline residues	19.96	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
	9.37	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
1.6 Spent catalyst and molecular sieves	0.00	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3009	numbers/anum	Recycler or Actual user	M/s. Jai Jalaram Trading Company, Plot No.: 380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist- Thane, 421306
3. Quantity Utilised in-house,If ar	ny			
Type of Waste	<b>Name of Waste</b> NA	<b>Quantity of Waste</b> 0.00	<b>UOM</b> KL/Anum	
4. Quantity in storage at the end	of the year			

Quantity of Waste

UOM

KL/Anum

6000.000

33.1 Empty barrels /containers Discarded

Containers,

/liners contaminated with

Type of Waste

3009

numbers/anum

### PART B: To be filled bt Treatment, storage, and disposal facility operators

Name of Waste

Total Quantity received	UOM	State Name
NA	KL/Anum	Maharashtra
2. Quantity in stock at the beginning of the year NA	<b>UOM</b> KL/Anum	
3. Quantity treated NA	<b>UOM</b> KL/Anum	
4. Quantity disposed in landfills as such and after treatment		
Direct landfilling NA	<b>UOM</b> KL/Anum	
Landfill after treatment NA	<b>UOM</b> KL/Anum	
5. Quantity incinerated (if applicable) NA	<b>UOM</b> KL/Anum	
6. Quantiry processed other than specified above NA	<b>UOM</b> KL/Anum	
7. Quantity in storage at the end of the year. NA	<b>UOM</b> KL/Anum	

1. Quantity of waste received during the year Waste Name/Category Country Name State Name Quantity of waste received from Quantity of waste Units imported(If any) domestic sources NA KL/Anum NA India Maharashtra 2. Quantity in stock at the beginning of the year **UOM** Waste Name/Category Quantity KL/Anum NA NA 3. Quantity of waste recycled or co-procesed or used **UOM** Quantity Name of Waste Type of Waste KL/Anum NA NA 4. Quantity of products dispatched (wherever applicable) Quantity **UOM** Name of product NA KL/Anum NA 5. Total quantity of waste generated **UOM** quantity Waste name/category NA KL/Anum NA o. Total quantity of waste disposed quantity **UOM** Waste name/category KL/Anum NA NA 7. Total quantity of waste re-exported (If Applicable) quantity **UOM** Waste name/category KL/Anum NA NA 8. Quantity in storage at the end of the year **UOM** quantity Waste name/category NA KL/Anum

NA

Personal Details

Place

Plot No- C-1 & C-1 Part, Vile- Bhagad MIDC, Mangaon, 402308

Date

Designation

2022-06-23 Director/ Authorised Signatory



# Annual Rotume Hz. Waste Maharashtra Pollution Control Board for FY-2021-2022 महाराष्ट्र प्रदूषण नियंत्रण मंडळ form- IV- CRM Line

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

#### FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unique Application Number:** 

MPCB-HW ANNUAL RETURN-0000028668

Submitted On:

22-06-2022

Submitted for Year:

April 2021 to March 2022

Name of the generator/operator of facility

r USCO Maharashtra Steel Pvt Ltd.

Address of the unit/facility

C-1/1 & C-1 (Part-1), MIDC Vile- Bhagad,

Tal-Mangaon, Dist-Raigad

1b. Authorization Number

Date of issue

Date of validity of consent

1.0/BO/CAC-cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029,date Jun 1, 2018

Jun 30, 2023

01/06/2018

2. Name of the authorised person

Kwang Soo Kim

Full address of authorised person

Plot No- C-1 & C-1 Part, Vile-Bhagad MIDC, Tal-Mangaon, Dist-Raigad, 402308

Telephone

02140661182

Fax

02140661198

**Email** 

kks@posco.com

3. Production during the year (product wise), wherever applicable

Product Type \* Iron & Steel

Product Name \* Cold Rolled Coils

Consented Quantity 1000000.0000

**Actual Quantity** 744149

**UOM** Ton/Y

Iron & Steel

**Full Hard Coils** 

80000.0000

36448

Ton/Y

PART A: To be filled by hazardous waste generators

#### 1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	ИОМ
5.1 Used or spent oil	Used Oil	198.000	25.75	MTA
5.2 Wastes or residues containing oil	Grinding sludge from Roll Shop	180.000	108.81	MTA
5.2 Wastes or residues containing oil	Coolant filter waste & Oily sludge	480.000	187.31	MTA
12.1 Acidic and alkaline residues	Alkali Sludge	48.000	39.28	MTA
13.1 Spent pickling liquor	Spent Acid from Pickling (HCL)	90000.000	43726	KL/Anum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Containers, MS/HDPE drums, IBC's	6000.000	4893	numbers/anum
35.3 Chemical sludge from waste water treatment	ETP Sludge	960.000	699.46	MTA

2.	Quantity	v disp	patched	catego	rv wise.
----	----------	--------	---------	--------	----------

z. Quantity dispatched category wi	36.			
Type of Waste 5.1 Used or spent oil	<b>Quantity of waste</b> 25.75	<b>UOM</b> MTA	<b>Dispatched to</b> Recycler or Actual user	Facility Name M/s. Lubstar Petrochem Industries , C-29, MIDC Mahad.
5.2 Wastes or residues containing oil	108.81	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
5.2 Wastes or residues containing oil	187.31	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
12.1 Acidic and alkaline residues	39.28	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4893	numbers/anum	Recycler or Actual user	M/s. Jai Jalaram Trading Company., Plot No.:-380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist-Thane.
35.3 Chemical sludge from waste rater treatment	699.46	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
3. Quantity Utilised in-house,If any				
Type of Waste	Name of Waste	Quantity of Waste	UOM	
13.1 Spent pickling liquor	Spent Acid from Pickling (HCL)	43726	KL/Anum	
4. Quantity in storage at the end o	f the year			
Type of Waste	Name of Waste	Quantity of Waste	UOM	

## PART B: To be filled bt Treatment, storage, and disposal facility operators

2. Quantity in stock at the beginning of the year  NA  S. Quantity treated  NA  VOM  KL/Anum  KL/Anum  VL/Anum  VL/Anum  VIOM  KL/Anum  VIOM  KL/Anum  NA  NA  KL/Anum  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	htra
NA  4. Quantity disposed in landfills as such and after treatment  Direct landfilling  NA  KL/Anum  KL/Anum	
Direct landfilling NA  KL/Anum	
NA KL/Anum	
NA UOM KL/Anum	
5. Quantity incinerated (if applicable)  NA  UOM  KL/Anum	
6. Quantiry processed other than specified above NA KL/Anum	
7. Quantity in storage at the end of the year.  NA  KL/Anum	æ

KL/Anum

#### PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Personal Details

Plot No- C-1 & C-1 Part, Vile- Bhagad MIDC, Mangaon, 402308

Place

Waste Name/Category Country Name State Name Quantity of waste received from Quantity of waste Units domestic sources imported(If any) India KL/Anum NA Maharashtra NA NA 2. Quantity in stock at the beginning of the year **UOM** Waste Name/Category Quantity NA NΑ KL/Anum 3. Quantity of waste recycled or co-procesed or used Name of Waste Type of Waste Quantity **UOM** NA KL/Anum NA 4. Quantity of products dispatched (wherever applicable) Name of product Quantity **UOM** NA NA KL/Anum 5. Total quantity of waste generated **UOM** Waste name/category quantity Av. NA KL/Anum 6. Total quantity of waste disposed **UOM** Waste name/category quantity NA KL/Anum 7. Total quantity of waste re-exported (If Applicable) **UOM** Waste name/category quantity NA NΑ KL/Anum 8. Quantity in storage at the end of the year Waste name/category **UOM** quantity KL/Anum NA NA

Date

Designation

2022-06-22 Director/ Authorised Signatory



# Maharashtra Pollution Control Board for FY- 2021-2022 महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Kefurns TTZ.

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

#### FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march1

**Unique Application Number:** 

MPCB-HW\_ANNUAL\_RETURN-0000028082

Submitted for Year:

April 2021 to March 2022

1 Name of the generator/operator of facility

JSCO Maharashtra Steel Pvt Ltd.

1b. Authorization Number

1.0/BO/CAC-Cell/UAN No:92026-20/Autorenewal CAC-2006000453,

date:10/06/2020

2. Name of the authorised person

Kwang Soo Kim

Telephone

02140661182

Fax

02140661198

Submitted On:

Date of issue

Jul 1, 2020

Address of the unit/facility

Tal-Mangaon, Dist-Raigad

C-1/1 & C-1 (Part-1), MIDC Vile- Bhagad,

17-06-2022

kks@posco.com

**Email** 

Full address of authorised person

Plot No- C-1 & C-1 Part, Vile-Bhagad MIDC, Tal-Mangaon, Dist-Raigad, 402308

3. Production during the year (product wise), wherever applicable

Product Type \* Product Name \*

Iron & Steel Cold Rolled Non-Grain Oriented Electrical Steel (CRNO Coil) Consented Quantity Actual Quantity UOM 300000.0000

190524

Ton/Y

Date of validity of consent

Jun 30, 2025

#### ART A: To be filled by hazardous waste generators

#### 1. Total Quantity of waste generated category wise

Type of hazardous waste 5.1 Used or spent oil	<b>Wate Name</b> Used Oil	<b>Consented Quantity</b> 24.000	<b>Quantity</b> 10.4	<b>UOM</b> MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded empty containers, Drums, Barrels & IBC's	3600.000	670	numbers/anum
35.3 Chemical sludge from waste water treatment	ETP Sludge	460.800	260.46	MTA

2. Quantity dispatched category v	vise.			
<b>Type of Waste</b> 5.1 Used or spent oil	<b>Quantity of waste</b> 10.4	<b>UOM</b> MTA	<b>Dispatched to</b> Recycler or Actual user	Facility Name Lubstar Petrochem Industries , C-29, MIDC Mahad.
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	670	numbers/anum	Recycler or Actual user	M/s. Jai Jalaram Trading Company., Plot No.:-380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist-Thane.

Mumbai waste management 35.3 Chemical sludge from waste 260,46 MTA Disposal Facility water treatment Ltd , P-32 Taloja MIDC (CHWTSDF) 3. Quantity Utilised in-house, If any Type of Waste Name of Waste Quantity of Waste **UOM** NA 0 KL/Anum 4. Quantity in storage at the end of the year Type of Waste Name of Waste **UOM** Quantity of Waste NΔ KL/Anum PART B: To be filled bt Treatment, storage, and disposal facility operators 1.Total Quantity received **UOM** State Name NA KL/Anum Maharashtra 2. Quantity in stock at the beginning of the year **UOM** NA KL/Anum 3. Quantity treated **UOM** NA KL/Anum 4. Quantity disposed in landfills as such and after treatment Direct landfilling **UOM** NA KL/Anum Landfill after treatment **UOM** NA KL/Anum 5. Quantity incinerated (if applicable) **UOM** KL/Anum NA 6. Quantity processed other than specified above **UOM** 

NA KL/Anum

7. Quantity in storage at the end of the year.

NA

KL/Anum

#### PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

 Name/Category
 Country Name
 State Name
 Quantity of waste received from domestic sources
 Quantity of waste imported(If any)
 Units

 NA
 India
 Maharashtra
 NA
 NA
 KL/Anum

 2. Quantity in stock at the beginning of the year

 Waste Name/Category
 Quantity
 UOM

 NA
 NA
 KL/Anum

3. Quantity of waste recycled or co-procesed or used

 Name of Waste
 Type of Waste
 Quantity
 UOM

 NA
 NA
 NA
 KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product Quantity UOM NA NA KL/Anum

5. Total quantity of waste generated

Waste name/category quantity UOM
NA NA KL/Anum

6. Total quantity of waste disposed

Waste name/category quantity UOM

NA

7. Total quantity of waste re-exported (If Applicable)

Waste name/category

NA

8. Quantity in storage at the end of the year

Waste name/category

NA

Personal Details

Place

Plot No- C-1 & C-1Part, Vile- Bhagad MIDC, Mangaon, 402308

NA

KL/Anum

quantity

UOM

NA

KL/Anum

quantity

**UOM** 

NA

KL/Anum

Date

Designation

2022-06-17 Director/ Authorised Signatory

POSCO MAHARASHTRA STEEL POSCO Maharashtra Steel Pvt. Ltd.

Head Office - C-1 & C-1 Part, Vile- Bhagad MIDC, Tal- Mangaon,

Dist –Raigad, Maharashtra 402308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/CGL-HzW-12/2022

Date: 03<sup>rd</sup> January, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party: Dec-2022

Ref: Format 1.0/CAC/UAN No.0000128520/CR/2204000648, Date-12/04/2022. Valid till - 28/02/2027

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, Period from **December-2022.** 

#### Details are as follows:

S. No	Type of Haz. Waste	Waste Cat. No	Manifest No.	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			296269	09.240	MT	05/12/2022	M/S. MWML (CHWTSDF) Taloja,
2			296413	08.700	MT	06/12/2022	Raigad.
3	EED alvada a	25.2	298078	07.540	MT	09/12/2022	
4	ETP sludge	35.3	298108	11.300	MT	9/12/2022	
5			299813	8.300	MT	14/12/2022	
6			306027	11.780	MT	29/12/2022	
7			296420	20	Nos.	06/12/2022	M/s. Jai Jalaram Trading Company.
8	Discarded	22.1	299790	120	Nos.	14/12/2022	Plot No.: 380, Shree Malang Road,
9	containers	33.1	301854	120	Nos.	19/12/2022	Bhalgaon, Tal-Ambernath, Dist-Thane
10	/ Barrels		306078	120	Nos.	29/12/2022	
11			296674	28.440	MT	06/12/2022	M/s. Navbharat Metalic Oxide
12			299171	30.136	MT	12/12/2022	Industries Ltd., Plot No. 6-9, Survey No.
13			300520	30.576	MT	16/12/2022	482, Village-Dabhel, Daman, 396210.
14			300724	17.86	MT	16/12/2022	
15	1		300909	7.288	MT	16/12/2022	7
16	Zinc Dross	6.3	303537	28.078	MT	22/12/2022	
17			303539	23.424	MT	22/12/2022	
18			305077	24.062	MT	27/12/2022	
19			305080	23.452	MT	27/12/2022	
20			306326	17.75	MT	30/12/2022	
21			306840	29.466	MT	31/12/2022	

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

08 01 2023 Sub Regional Office

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306

Atin Raut

Sr. Manager –EHS

**Enclosure:** 

Form No. 10 as mentioned above details.

POSCO

POSCO
MAHARASHTRA STEEL

POSCO Maharashtra Steel Pvt. Ltd.
Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Dist –Raigad, Maharashtra 402 308

CIN- U27100MH2009PTC190873

Annexure VE.

Date: 02<sup>nd</sup> February, 2023

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/CGL-HzW-01/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party -Jan, 2023

Ref: Consent Order No: 1.0/BO/CAC-Cell/UAN No:-0000018375-16/CAC-1706000713, date- 16/06/2017

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10 ) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement ) Rules 2016, Period from Jan, 2023.

#### Details are as follows-

S.	Type of Haz.	Waste	Manife	QTY.	UOM	Date of	Name of CHWTSDF/ Authorized
No	Waste	Cat.	st No	QII.	UCIVI	Disposal	Party
1			307433	7.64	MT	2/1/2023	
2	ľ.		308607	7.6	MT	5/1/2023	
3	CTD dudge	25.2	310117	8.28	MT	9/1/2023	M/s. MWML Taloja, Raigad
4	ETP sludge	35.3	313092	8.7	MT	16/01/2023	(CHWTSDF)
5			314277	6.61	MT	19/01/2023	
6			316069	6.62	MT	24/01/2023	
7	Discarded containers / Barrels	33.1	311195	22	Nos.	11/01/2023	M/s. National Enterprises. Plot No. K/1,2,3, Survey No-69, Tal. & Dist. Thane- 400612
8	Waste Chromic Solution	N.A.	308699	06.260	MT	05/01/2023	M/s. MWML Taloja, (CHWTSDF)
9	Waste Resin	N.A.	308775	01.880	MT	05/01/2023	M/s. MWML Taloja, (CHWTSDF)
10		I.	311758	28.9	MT	12/1/2023	M/s. Navbharat Metalic Oxide
11			313884	17.61	MT	18/01/2023	Industries Ltd., Plot No. 6-9, Survey
12			313894	9.364	MT	18/01/2023	No.482,Village-Dabhel, Daman,
13	7: D	6.3	316090	27.92	MT	24/01/2023	396210.
14	Zinc Dross	6.3	318095	9.432	MT	30/01/2023	8
15			318096	8.952	MT	30/01/2023	
16			318309	9.214	MT	31/01/2023	
17			318342	24.97	MT	31/01/2023	
18	Zinc Dross	6.3	318097	27.926	MT	30/01/2023	M/S. BDJ OXIDES PRIVATE LIMITED, Plot No.10,Attivaram Industrial Park.Nellore.Mondal.Andhra Pradesh

Kindly acknowledge the receipt of the same. Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin Raut

Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

POSCO

Maharashtra Pollution Control Mahad, C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306



Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Date: 01st March, 2023

Dist –Raigad, Maharashtra 402 308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/CGL-HzW-02/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party -Feb, 2023

Ref: Consent Order No: 1.0/BO/CAC-Cell/UAN No:-0000018375-16/CAC-1706000713, date- 16/06/2017 Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, Period from <u>Feb-2023.</u>

#### Details are as follows-

S.	Type of Haz. Waste	Wast	Manife	QTY.	UOM	Date of	Name of CHWTSDF/ Authorized	
No		e Cat.	st No			Disposal	Party	
1			320227	7.240	MT	06/02/2023		
2		1	322139	6.680	MT	10/02/2023	M/c MMMAL Toleio Deimad	
3	ETP sludge	35.3	322859	7.040	MT	13/02/2023	M/s. MWML Taloja, Raigad	
4			325404	7.610	MT	20/02/2023	(CHWTSDF)	
5			328039	12.230	MT	27/02/2023		
6	Alkali Cludgo	12.2	323026	4.870	MT	13/02/2023	NAV. NAVALITA : D.:	
7	Alkali Sludge	12.2	325418	10.250	MT	20/02/2023	M/s. MWML Taloja, Raigad	
8			320493	130	Nos.	06/02/2023	M/s. National Enterprises, Plot No.	
9	Discarded	33.1	325785	22	Nos.	21/02/2023	K/1,2,3, Tal. & Dist. Thane- 400612	
10	containers/Barrels	33.1	33.1	326870	120	Nos.	24/02/2023	
11			328094	824	Nos.	27/02/2023		
12			324702	24.402	MT	17/02/2023	M/s. Navbharat Metalic Oxide	
13			326525	23.502	MT	23/02/2023	Industries Ltd., Plot No. 6-9, Survey	
14	Zinc Dross	6.3	326844	17.690	MT	24/02/2023	No.482, Village-Dabhel, Daman,	
15			326850	08.296	MT	24/02/2023	396210.	
16			328100	23.192	MT	27/02/2023	1	
17	Used Oil / Spent Oil	5.1	323279	3.270	MT	14/02/2023	M/S. Lub Star Petro-chem Ind., Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301	

Kindly acknowledge the receipt of the same. Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

**Mr. Atin Raut**Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

POSCO

Sub Regional Office
Sub Regional Office
Maharashtra Pollution Control Board
C.F.C. Building, MIDC, Mahad,
Dist Raigad, Pin - 402308

+cknowledgement copy

POSCO Maharashtra Steel Pvt. Ltd.

Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Dist -Raigad, Maharashtra 402 308

CIN- U27100MH2009PTC190873 Website: http://www.poscomaharashtra.com Mar/23

Col- Plant

MAHARASHTRA STEEL CIN- U27100MH200
Website: http://www

PMSPL/EHS/MPCB/CGL-HzW-04/2023

Date: 04th April, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party -Mar, 2023

Ref: Consent Order No: 1.0/BO/CAC-Cell/UAN No:-0000018375-16/CAC-1706000713, date- 16/06/2017 Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, Period from MARCH-2023.

Details are as follows-

S.	Type of Haz. Waste	Waste	Manifest	QTY.	UOM	Date of	Name of CHWTSDF/
No	Type of Flaz. Waste	Cat.	No	QII.	OCIVI	Disposal	Authorized Party
1:			329527	13.01	MT	2/3/2023	
2			330196	12.79	MT	4/3/2023	
3	ETP sludge	35.3	331174	12.600	MT	8/3/2023	M/s. MWML Taloja, Raigad
4	Lii slaage	20.3	334929	10.660	MT	17/03/2023	(CHWTSDF)
5			337092	12.370	MT	23/03/2023	
6			339310	12.140	MT	28/03/2023	
7	Discarded	33.1	333316	120	Nos.	13/03/2023	M/s. National Enterprises, Plot
8	containers/Barrels	55.1	334491	22	Nos.	16/03/2023	No. K/1,2,3, Tal. & Dist. Thane
9			333311	29.010	MT	13/03/2023	M/s. Navbharat Metalic Oxide
10			334056	28.290	MT	15/03/2023	Industries Ltd., Plot No. 6-9,
11			337111	17.470	MT	23/03/2023	Survey No.482,Village-Dabhel,
12	Zinc Dross	6.3	337128	28.788	MT	23/03/2023	Daman, 396210.
14			340794	29.992	MT	30/03/2023	
15			340829	29.034	MT	30/03/2023	
16			341776	29.182	MT	31/03/2023	31
							M/S. BDJ OXIDES Pvt. Ltd.
							Plot No.10, Attivaram Ind. Park,
17	Zinc Dross	6.3	338795	23.362	MT	27/03/2023	Nellore, Mondal Ozili, Sri Potti,
							Sriramulu Nellore, Andhra
							Pradesh

Kindly acknowledge the receipt of the same. Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin Raut Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Board

Maharashtra Pollution MiDC, Mahad,

C.F.C. Building, MiDC, A02309

C.F.C. Raigad, Phil. A02309



POSCO Maharashtra Steel Pvt. Ltd.

Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon, Dist –Raigad, Maharashtra 402 308 Ack. Copy of Intimation CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

Date: 04th May, 2023

PMSPL/EHS/MPCB/CGL-HzW-04/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party-Apr, 2023

Ref: Consent Order No: 1.0/BO/CAC-Cell/UAN No:-0000018375-16/CAC-1706000713, date- 16/06/2017

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, Period from **APRIL-2023**.

Details are as follows-

S. No	Type of Haz. Waste	Wast e Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			346838	07.310	MT	13/04/2023	M/s. MWML Taloja, Raigad
2	ETP sludge	35.3	351050	05.900	MT	24/04/2023	(CHWTSDF)
3			352105	11.830	MT	27/04/2023	(CHW13DI)
4	5: 1.1		347348	120	Nos.	14/04/2023	M/s. National Enterprises, Plot
5	Discarded	33.1	348892	130	Nos.	20/04/2023	No. K/1,2,3, Tal. & Dist. Thane
6	containers/Barrels		352415	120	Nos.	28/04/2023	
7			345323	29.554	MT	10/4/2023	M/S. RUBAMIN PRIVATE Ltd., R.
8			345329	29.394	MT	10/4/2023	S.No.115, Village- Pratappura,
9			347259	28.968	MT	14/4/2023	Tal-Halol, Panchmahal,
10	Zinc Dross	6.3	347266	29.146	MT	14/4/2023	Dist-Gujarat- 389350
11			350348	29.674	MT	21/4/2023	
12			352115	28.808	MT	27/4/2023	
13			352548	29.424	MT	28/4/2023	
14	Used Oil / Spent Oil	5.1	351146	03.400	MT	24/04/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

100/1

Mr. Atin Raut

AGM- Manager (EHSI)

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Mahad, C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin 402304



#### POSCO Maharashtra Steel Pvt. Ltd.

Head Office – C-1 & C-1 Part, Vile- Bhagad MIDC industrial area, Tal- Mangaon, Dist –Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com

CIN: U27100MH2009PTC190873

#### PMSPL/EHS/MPCB/CRM-HzW-12/2022

D

Date: 02<sup>nd</sup> January, 2023

To

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CRM Plant- Intimation of Hz Waste disposal to CHWTSDF & Authorized Party: December-2022

Ref: 1.0/BO/CAC-Cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029, date- 01/06/2018

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the Compliance of The Environment protection Act 1986, under The Hazardous & Other Wastes (Management & Trans Boundary Movement) Rules 016, for **December-2022**.

#### Details are as follows-

S.N	Type of Hazardous Waste	WCN	Manifest Doc. No	QTY.	иом	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			295258	14.900	MT	02/12/2022	
2			296838	11.860	MT	07/12/2022	
3			298108	11.300	MT	09/12/2022	
4			299112	14.700	MT	12/12/2022	MWML, Taloja MIDC
5	ETP Sludge	35.3	299125	10.620	MT	12/12/2022	(CHWTSDF)
6			299127	11.500	MT	12/12/2022	
7			299550	11.500	MT	13/12/2022	×
8			299815	08.580	MT	14/12/2022	THE RESERVE OF THE PARTY OF THE
9			304740	14.540	MT	26/12/2022	
10	Discarded		296840	20	Nos.	07/12/2022	M/s. Jai Jalaram Trading Co.
	Containers / Barrels /	33.1	297387	120	Nos.	08/12/2022	Plot No.: 380, Shree Malang Rd.
11	IBC's		303306	120	Nos.	22/12/2022	Tal- Ambernath, Thane.
12			295265	05.140	MT	02/12/2022	
13	Marta Barida		296992	02.900	MT	07/12/2022	
14	Waste Residue Containing Oil	5.2	299541	08.100	MT	13/12/2022	MWML, Taloja MIDC (CHWTSDF)
15	Containing On		302033	08.460	MT	19/12/2022	(CHWISDF)
16			304738	08.540	MT	26/12/2022	
17	Cuin alia a Clual -	F 2	294677	06.160	MT	01/12/2022	M/S. MWML (CHWTSDF)
18	Grinding Sludge	5.2	302541	06.200	MT	20/12/2022	Taloja, Raigad.
19	Alkali Sludge	12.2	299811	10.400	MT	14/12/2022	MWML, Taloja
20	Spent Acid from Pickling (Waste HCL)	13.1	NA	4120	KL	Dec, 2022	Reprocessed in ARP and reused in plant (at Pickling process)

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For POSCO Maharashtra Steel Pvt. Ltd.

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306

Mr. Atin Raut Sr. Manager - EHS

Enclosure:- Form No. 10 as mentioned above details.

POSCO

MAHARASHTRA STEEL

PUSCO Manarashtra Steel Fyt. Ltd.

Head Office - C-1 & C-1 Part, Vile- Bhagad MIDC industrial area, Tal- Mangaon, Dist -Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com

CIN: U27100MH2009PTC190873

Date: 02<sup>nd</sup> February, 2023

#### PMSPL/EHS/MPCB/CRM-HzW-01/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CRM Plant- Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party - Jan-2023

Ref: 1.0/BO/CAC-Cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029, date- 01/06/2018

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10 ) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the Compliance of The Environment protection Act 1986 , under The Hazardous & other Wastes (Management & Trans boundary movement ) Rules 2016, for Jan, 2023.

Details are as follows-

S.N	Type of Hazardous Waste	WCN	Manifest Doc. No	QTY.	иом	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			307236	11.78	MT	2/1/2023	
2			308603	13.12	MT	5/1/2023	
3			310191	13.12	MT	9/1/2023	AAAAAAL Talaia AAUDC
4			312114	13.16	MT	13/01/2023	
5	STD CL I	25.2	313053	13.36	MT	16/01/2023	MWML, Taloja MIDC (CHWTSDF)
6	ETP Sludge	35.3	314276	14.85	MT	19/01/2023	(CITWISDI)
7			315006	10.61	MT	21/01/2023	
8			316068	14.24	MT	24/01/2023	
9			317841	15.27	MT	30/01/2023	
10			318411	7.56	MT	31/01/2023	7
11	Used Oily Cotton	F 2	308782	03.740	MT	05/1/2023	MWML, Taloja MIDC
12	Waste	5.2	316463	03.080	MT	25/1/2023	(CHWTSDF)
13	Discarded containers / Barrels	33.1	313398	22	Nos.	17/01/2023	M/s. National Enterprises. Plot No. K/1,2,3, Survey No-69
14	/IBC's	33.1	316231	22	Nos.	25/01/2023	Nr. Tal. & Dist. Thane.
15	Grinding sludge	F 0	310193	5.42	MT	9/1/2023	MWML Taloja MIDC
16	(Roll shop)	5.2	314360	8.27	MT	19/1/2023	(CHWTSDF)
17	Spent acid from pickling (Waste HCL)	13.1	NA	4109	KL	Jan, 2023	Reprocessed in ARP and reused in plant (at Pickling process)

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For POSCO Maharashtra Steel Pvt. Ltd.

**Atin Raut** 

Sr. Manager (EHSI)

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin 402306

OOSCO MAHARASHTRA STEEL Ack copy of lut. of the wasteCRM- plant

POSCO Maharashtra Steel Pvt. Ltd.

Head Office - C-1 & C-1 Part, Vile- Bhagad MIDC industrial area,

Date: 02<sup>nd</sup> March, 2023

Tal- Mangaon, Dist -Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com

CIN: U27100MH2009PTC190873

#### PMSPL/EHS/MPCB/CRM-HzW-02/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board,

MIDC Area, Mahad, Raigad.

Sub: CRM Plant- Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party - Feb-2023

Ref: 1.0/BO/CAC-Cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029, date- 01/06/2018

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the Compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, for **Feb-2023.** 

#### Details are as follows-

S.N	Type of Hazardous Waste	WCN	Manifest Doc. No	QTY.	иом	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			318782	13.780	MT	1/2/2023	
2			319196	13.200	MT	2/2/2023	
3			319695	14.280	MT	4/2/2023	
4			320757	11.050	MT	07/02/2023	MWML, Taloja MIDC
5	ETP Sludge	35.3	322050	13.620	MT	10/02/2023	(CHWTSDF)
6			323328	12.790	MT	14/02/2023	
7			324349	11.490	MT	16/02/2023	
8			325426	12.380	MT	20/02/2023	
9			326680	12.580	MT	24/02/2023	
10			319747	07.270	MT	04/02/2023	
11	Residue Containing		324090	06.83	MT	16/02/2023	NAVAGAL Teleje NAUDC
12	Oil (Filter residue)	5.2	324353	06.050	MT	16/02/2023	- MWML, Taloja MIDC - (CHWTSDF)
13	Oil (Filter residue)		324484	03.030	MT	17/02/2023	(CHWISDF)
14			324698	06.930	MT	17/02/2023	
15	Discarded		321196	130	Nos.	08/02/2023	M/s. National Enterprises.
16	containers / Barrels	33.1	321920	130	Nos.	10/02/2023	Plot No. K/1,2,3, Survey No-69,
17	/IBC's		324356	22	Nos.	16/02/2023	Nr. Tal. & Dist. Thane.
18	Grinding sludge	5.2	320485	05.390	MT	06/02/2023	MWML Taloja MIDC
19	(Roll shop)	5.2	321454	0.800	MT	09/02/2023	(CHWTSDF)
20	Spent acid from pickling (Waste HCL)	13.1	NA	4151	KL	Feb, 2023	Reprocessed in ARP & reused in plant (at Pickling process)
21	Used Oil / Spent Oil	5.1	323282	5.760	MT	14/02/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Dist-Raigad,

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For POSCO Maharashtra Steel Pvt. Ltd.

Atin Raut

POSCO )

Sub Regional Office
Sub Regional Office
Maharashtra Pollution Control Board
C.F.C. Building, MIDC, Mahad,
Dist Raigad, Pin - 402306



Ack copy of Inf of the waster CRM- Plant POSCO Maharashtra Steel Pvt. Ltd.

Head Office - C-1 & C-1 Part, Vile-Bhagad MIDC industrial area, Tal-Mangaon, Dist -Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com

CIN. 1127100MH2000PTC190873

Mar123.

Date: 03<sup>rd</sup> April, 2023

CIN: U27100MH2009PTC190873

#### PMSPL/EHS/MPCB/CRM-HzW-04/2023

To, The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CRM Plant- Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party - Mar-2023

Ref: 1.0/BO/CAC-Cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029, date- 01/06/2018 Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the Compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, for **MARCH-2023.** 

#### Details are as follows-

s.N	Type of Hazardous Waste	WCN	Manifest Doc. No	QTY.	иом	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			331914	11.900	MT	10/03/2023	MWML, Taloja MIDC
2	ETP Sludge	35.3	335729	11.500	MT	20/03/2023	(CHWTSDF)
3			341616	13.480	MT	31/03/2023	
4			328737	07.010	MT	01/03/2023	
5			334063	06.680	MT	15/03/2023	
6	Residue Containing	5.2	334445	07.150	MT	16/03/2023	MWML, Taloja MIDC
7	Oil (Filter residue)	5.2	335980	03.780	MT	21/03/2023	(CHWTSDF)
8			336088	0.680	MT	21/03/2023	
9			338774	03.010	MT	27/03/2023	
10	Alkali Sludge	12.2	335971	02.960	MT	21/03/2023	MWML, Taloja MIDC
11	Discarded	6	330849	120	Nos.	06/03/2023	M/s. National Enterprises.
12	containers / Barrels	33.1	335793	22	Nos.	20/03/2023	Plot No. K/1,2,3, Survey No-69,
13	/IBC's		338782	130	Nos.	27/03/2023	Nr. Tal. & Dist. Thane.
14	Grinding sludge	F 2	331615	05.750	MT	09/03/2023	MWML Taloja MIDC
15	(Roll shop)	5.2	341733	05.360	MT	31/03/2023	(CHWTSDF)
16	Spent acid from Pickling (Waste HCL)	13.1	NA	4852	KL	Mar, 2023	Reprocessed in ARP & reused in plant (at Pickling process)

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For POSCO Maharashtra Steel Pvt. Ltd.

Atin Raut
Sr. Manager (EHSI)

Sub Regional Control Board

Sub Regional Control Board

Maharashtra Pollution CC, Mahad

C.F.C. Building, Pin 402308

Dist Raigad, Pin 402308



Ack Copposco Maharashtra Steel Pvt. Ltd. April 2023

Head Office – C-1 & C-1 Part, Vile- Bhagad MIDC industrial area, Tal- Mangaon, Dist –Raigad, Maharashtra 402 308 (RM)

Website: http://www.poscomaharashtra.com

CIN: U27100MH2009PTC190873

PMSPL/EHS/MPCB/CRM-HzW-04/2023

Date: 04<sup>th</sup> May, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: CRM Plant- Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Party - April-2023

Ref: 1.0/BO/CAC-Cell/Auto-renewal/UAN No- 0000047766-18/CAC-1806000029, date- 01/06/2018 Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to CHWTSDF & to authorized party as per the Compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement) Rules 2016, for **APRIL-2023.** 

#### Details are as follows-

S.N	Type of Hazardous Waste	WCN	Manifest Doc. No	QTY.	иом	Date of Disposal	Name of CHWTSDF/ Authorized Party
1			345304	13.990	MT	10/04/2023	AAVAAA T-L-:- NAIDC
2	FTD Classics	25.2	346113	10.970	MT	12/04/2023	MWML, Taloja MIDC (CHWTSDF)
3	ETP Sludge	35.3	348743	11.430	MT	20/04/2023	(CHWISDI)
4			350058	14.390	MT	18/04/2023	
5	D : 1 C		342927	07.130	MT	03/03/2023	   MWML, Taloja MIDC
6	Residue Containing	5.2	345226	04.590	MT	10/04/2023	(CHWTSDF)
7	Oil (Filter residue)		347165	01.940	MT	14/04/2023	(CITWISDI)
8	Discarded		345978	20	Nos.	11/04/2023	M/s. National Enterprises.
9	containers / Barrels	33.1	348892	22	Nos.	18/04/2023	Plot No. K/1,2,3, Survey No-69,
10	/IBC's		351814	22	Nos.	26/04/2023	Nr. Tal. & Dist. Thane.
11	PCM- Scale Breaker Waste	NA	348320	08.600	MT	17/04/2023	MWML, Taloja MIDC (CHWTSDF)
12	Spent acid from Pickling (Waste HCL)	13.1	NA	4441	KL	April, 2023	Reprocessed in ARP & reused in plant (at Pickling process)
13	Used Oil / Spent Oil	5.1	351149	06.760	MT	24/04/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301

Kindly acknowledge the receipt of the same.

Thanking you,

Yours Faithfully,

For POSCO Maharashtra Steel Pvt. Ltd.

Atin Raut

AGM- Manager (EHSI

POSCO A CHILLIAND CONTRACTOR CONT

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402309



POSCO Maharashtra Steel Pvt. Ltd. Declas

Head Office - C-1 & C-1 Part, Vile- Bhagad MIDC, Tal- Mangaon,

Dist -Raigad, Maharashtra 402308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/ACL-HzW-12/2022

Date: 03<sup>rd</sup> January, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Sub: ACL Plant- Intimation of Hazardous Waste disposal to Authorized Party: Dec-2022

Ref: 1.0/BO/CAC-Cell/UAN No:-92026-20 / Autorenewal CAC-2006000453, date- 10/06/2020

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No.10) for which we have sent hazardous waste to authorized party as per the compliance of The Environment protection Act 1986 ,under The Hazardous & other Wastes (Management & Trans boundary movement Rules 2016 from period December-2022.

Details are as follows:-

S. No	Type of Hz. Waste	Waste Cat. No	Manifest No	QTY.	UOM	Date of disposal	Name of CHWTSDF/ Authorized Party
1	1	T DO	300776	13.100	MT	16/12/2022	STEEL
2	ETP Sludge	35.3	301834	14.200	MT	19/12/2022	MWML (CHWTSDF) Taloja, Raigad
3			303740	14.160	MT	26/12/2022	2:

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

**Atin Raut** 

Sr. Manager -EHS

Sub Regional Office Maharashtra Pelluum Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306

**Enclosure:-**

Form No. 10 as mentioned above details.

INFIMATION OF 112 WESTE - MONTH Jan 23 - (All plant)

MAHARASHTRA STEEL

POSCO Maharashtra Steel Pvt. Ltd. Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Dist -Raigad, Maharashtra 402 308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/ACL-HzW-01/2023

Date: 02<sup>nd</sup> February, 2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Subject: ACL Plant-Intimation of Hazardous Waste disposal to Authorized Party- Jan, 2023

Ref: 1.0/BO/CAC-Cell/UAN No:-92026-20 / Autorenewal CAC-2006000453, date- 10/06/2020

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to authorized party as per the compliance of The Environment protection Act 1986 ,under The Hazardous & other Wastes (Management & Trans boundary movement Rules 2016, Period from Jan, 2023.

Details are as follows:-

S. No	Type of Hz. Waste	Waste Cat. No.	Manifest No.	QTY.	UOM	Date of disposal	Name of CHWTSDF/ Authorized party
1	ETP Sludge	35.3	316854	11.800	MT	27/01/2023	MWML (CHWTSDF) Taloja, Raigad

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

**Atin Raut** Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Mahard marasing Follution Control boar C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin 402306



PUSCO Manarashtra Steel Pvt. Ltd.

Head Office - C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Leb 23

Date: 02<sup>nd</sup> March, 2023

Dist -Raigad, Maharashtra 402 308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

#### PMSPL/EHS/MPCB/ACL-HzW-02/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Subject: ACL Plant-Intimation of Hazardous Waste disposal to Authorized Party-FEB, 2023

Ref: 1.0/BO/CAC-Cell/UAN No:-92026-20 / Autorenewal CAC-2006000453, date- 10/06/2020

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement Rules 2016, Period from **FEB-2023**.

Details are as follows:-

S. No	Type of Hz. Waste	Waste Cat. No.	Manifest No.	QTY.	ИОМ	Date of disposal	Name of CHWTSDF/ Authorized party
1	ETP Sludge	35.3	326007	11.800	MT	22/02/2023	MWML (CHWTSDF) Taloja, Raigad
2	Discarded Drums & Barrels	33.1	322908	22	Nos	13/02/2023	M/s. Jai Jalaram Trading Company. Plot No.380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist-Thane, 421306
3	Used Oil / Spent Oil	5.1	323289	1.610	MT	14/02/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301
4	Glass Wool	NA	321381	1.420	MT	09/02/2023	MWML, MIDC Taloja

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

**Atin Raut** 

Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

POSCO

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402309



POSCO Maharashtra Steel Pyt. Ltd.

Head Office – C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Dist -Raigad, Maharashtra 402 308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

Mar123

Date: 04th April, 2023

#### PMSPL/EHS/MPCB/ACL-HzW-04/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Subject: ACL Plant-Intimation of Hazardous Waste disposal to Authorized Party-March, 2023

Ref: 1.0/BO/CAC-Cell/UAN No:-92026-20 / Autorenewal CAC-2006000453, date- 10/06/2020

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement Rules 2016, Period from MARCH-2023.

Details are as follows:-

S. No	Type of Hz. Waste	Waste Cat. No.	Manifest No.	QTY.	иом	Date of disposal	Name of CHWTSDF/ Authorized party	
1			333690	12.670	MT	14/03/2023		
2	ETP Sludge	35.3	334930	07.400	MT	17/03/2023	MWML (CHWTSDF) Taloja, Raigad	
3	Discarded Drums & Barrels	33.1	340847	22	Nos.	30/03/2023	M/s. Jai Jalaram Trading Company. Plot No.380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist-Thane, 421306	

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

Atin Raut

Sr. Manager (EHS)

Encl.: Form No. 10 as mentioned above details.

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin 402309



POSCO Maharashtra Steel Pvt. Ltd.

Head Office - C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,

Dist –Raigad, Maharashtra 402 308 CIN- U27100MH2009PTC190873

Website: http://www.poscomaharashtra.com

April 2023 Act plant

Date: 03rd May, 2023

#### PMSPL/EHS/MPCB/ACL-HzW-04/2023

To,

The Sub-Regional Officer,

Maharashtra Pollution Control Board, MIDC Area, Mahad, Raigad.

Subject: ACL Plant-Intimation of Hazardous Waste disposal to Authorized Party-April, 2023

Ref: 1.0/BO/CAC-Cell/UAN No:-92026-20 / Autorenewal CAC-2006000453, date- 10/06/2020

Dear Sir,

With reference to above subject, we would like to submit Hazardous Waste Manifest (Form No. 10) for which we have sent hazardous waste to authorized party as per the compliance of The Environment protection Act 1986, under The Hazardous & other Wastes (Management & Trans boundary movement Rules 2016, Period from **APRIL-2023**.

#### Details are as follows:-

S. No	Type of Hz. Waste	Waste Cat. No.	Manifest No.	QTY.	UOM	Date of disposal	Name of CHWTSDF/ Authorized party	
1			344128	11.770	MT	05/04/2023		
2	ETP Sludge	35.3	351053	12.150	MT	24/04/2023	MWML (CHWTSDF) Taloja, Raigad	
3	Discarded Drums & Barrels	33.1	351120	22	Nos.	24/04/2023	M/s. Jai Jalaram Trading Company. Plot No.380, Shree Malang Road, Bhalgaon, Tal-Ambernath, Dist-Thane, 421306	
4	Used Oil / Spent Oil	5.1	351143	1.810	MT	24/04/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301	

Kindly acknowledge the receipt of the same.

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.

Atin Raut
AGM- Manager (EHSI)

Encl.: Form No.10 as mentioned above details.

Maharashtra Pollution Control Board C.F.C. Building, MIDC, Mahad, Dist Raigad, Pin - 402306



# **Mumbai Waste Management Limited**

### CERTIFICATE OF MEMBERSHIP

M/s. Posco Maharastra steel Pvt. Ltd.

is a registered member of
CHW-TSDF at MIDC - Taloja for
safe and secure disposal of
Hazardous waste.

Membership No: MWML-HZW - MHD - 3180

This Certificate is valid up to 31<sup>st</sup> Max 2024

Hankour

Onkar Kulkarni Manager - BMD Somnath Malgar Director



# Mumbai Waste Management Limited CERTIFICATE OF MEMBERSHIP

M/s. Posco Maharrastra steel Pvt. Ltd.

is a registered member of
CHW-TSDF at MIDC - Taloja for
safe and secure disposal of
Hazardous waste.

Membership No: MWML-HZW - MHD - 3461

This Certificate is valid up to 31st Mar 2024

Hungan

Onkar Kulkarni Manager - BMD Somnath Malgar Director

### MPCB- JVS-(Del'22)-CGL-OCHSet-INWTP Reports.

# MAHARASHTRA POLLUTION CONTROL BOARD REGIONAL LABORATORY, CHIPLUN

Phone no.: 02355-261970 Visit us at: http://mpcb.gov.in mail: mpcbchiplunlab@mpcb.gov.in



Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist.

"Your Service is our Duty" Ratnagiri. 415 605

NABL Certificate No.:	Validity	
Laboratory MoEF Recognition :	Validity	

Test Report No.: MPCB/RL-Chiplun/JVS/22-23/02/2 Date: 08/02/2023 06:28 PM

#### Analysis Report-Water (JVS)

Field Sample ID :	BR-0035567						
	POSCO Maharashtra Steel Pvt. Ltd.						
Name & Address of the Industry	R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/phosphating or finishing and anodizing / enamellings/ galvanizing						
Sampling Location :	OTHERS (CGL Outlet)		EEL				
Lab code :	MPCB/RL-Chiplun/JVS/2	22-23/1118					
Sampling Method(s):	r Service	Sample Details (Water/Air/HW) :	Water				
Sampling drawn by (Officer name):	FO-Mahad (Mr. Sandip Sonawane)	Sample Volume Received :					
Sample submitted by (Name):	FO-Mahad (Mr. Sandip Sonawane) (SRO- Mahad)	Seal No. :	240				
Date of Sample Collection.(dd/mm/yyyy):	05/12/2022 03:10 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy):	07/12/2022 03:15 PM				
Analysis start Date (dd/mm/yyyy). :	08/12/2022 11:45 AM						

### **Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
1	рН	8.3			
2	Total Dissolved Solids(TDS)	472.0	mg/l		
3	Suspended Solids (SS)	18.0	mg/l		N N

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
4	Biochemical Oxygen Demand(BOD)	4.0	mg/l		
5	Chloride	169,75	mg/I		
6	Chemical Oxygen Demand (COD)	44.0	mg/l		
7	Cyanide	NA	mg/l		
8	Sulphate	70.16	mg/l		
9	Cadmium	BDL	mg/l		
10	Chromium Total	BDL	mg/l		
1.1	Iron	0.55	mg/l		
12	Lead	BDL	mg/l		
13	Nickel	BDL	mg/l		
14	Zinc	0.10	mg/l		
15	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

Comment (if any):

**Comment for Amended Report:** 

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing
Results Approved by: Anil N Sandansing
Results Reviewed by: Anil N Sandansing

Anil N Sandansing
I/c Scientific Officer,
Regional Laboratory,
Chiplun,

# This is an Electronically generated report does not require signature

#### Note

- 1. Results relate only to the sample/s tested, only in case of samples submitted by customer & not drawn by MPCB.
- 2. # indicates paramters are not in scope of NABL(ISO:17025:2017)
- 3. Samples will be preserved for a period 10 days from the delivery of Test Certificate.
- 4. Customer complaint register is available at laboratory.
- 5. The Contents of this Report shall not be reproduced in part or in full without written approval of laboratory.
- 6. MU values will be reported on request.

# MAHARASHTRA POLLUTION CONTROL BOARD REGIONAL LABORATORY, CHIPLUN

Phone no.: 02355-261970 Visit us at: http://mpcb.gov.in mail: mpcbchiplunlab@mpcb.gov.in



Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist.

Ratnagiri. 415 605

NABL Certificate No.:	Validity	
Laboratory MoEF Recognition :	Validity	

Test Report No.: MPCB/RL-Chiplun/JVS/22-23/02/1 Date: 08/02/2023 06:28 PM

#### Analysis Report-Water (JVS)

Field Sample ID :	BR-0035566						
Name & Address of the Industry	POSCO Maharashtra Steel Pvt. Ltd.  R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing						
Sampling Location :	OTHERS (CRM Outlet)						
Lab code :	MPCB/RL-Chiplun/JVS/22-23/1117						
Sampling Method(s):	r Service	Sample Details (Water/Air/HW) :	Water				
Sampling drawn by (Officer name):	FO-Mahad (Mr. Sandip Sonawane)	Sample Volume Received :					
Sample submitted by (Name) :	FO-Mahad (Mr. Sandip Sonawane) (SRO- Mahad)	Seal No. :	240				
Date of Sample Collection.(dd/mm/yyyy):	05/12/2022 03:00 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy):	07/12/2022 03:13 PM				
Analysis start Date (dd/mm/yyyy). :	08/12/2022 11:45 AM						

### **Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted	MU(If required)
1	рН	7.1			
2	Total Dissolved Solids(TDS)	117.0	mg/l		
3	Suspended Solids (SS)	22.0	mg/l		

Sr.No	Parameter	Results	Unit	Method Adopted	MU(If required)
4	Biochemical Oxygen Demand(BOD)	4.0	mg/l		
5	Chloride	5.50	mg/l		
6	Chemical Oxygen Demand (COD)	40.0	mg/l		
7	Cyanide	NA	mg/l		
8	Sulphate	12.05	mg/l		
9	Cadmium	BDL	mg/l		
10	Chromium Total	BDL	mg/l		
11	Iron	0.63	mg/l		
12	Lead	BDL	mg/l		
13	Nickel	BDL	mg/l		
14	Zinc	BDL	mg/l		
15	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

Comment (if any):

Comment for Amended Report:

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing Results Approved by: Anil N Sandansing Results Reviewed by: Anil N Sandansing

> Anil N Sandansing I/c Scientific Officer, Regional Laboratory, Chiplun,

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#### Note

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- 4. Customer complaint register is available at laboratory.
- 5. The Contents of this Report shall not be reproduced in part or in full without written approval of laboratory.
- 6. MU values will be reported on request.

# MAHARASHTRA POLLUTION CONTROL BOARD REGIONAL LABORATORY, CHIPLUN

Phone no.: 02355-261970 Visit us at: http://mpcb.gov.in mail: mpcbchiplunlab@mpcb.gov.in

Date of Sample

**Analysis start Date** 

(dd/mm/yyyy).:

Collection.(dd/mm/yyyy):



Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist.

"Your Service is our Duty" Ratnagiri. 415 605

NABL Certificate No.:			Validity			
Laboratory MoEF Recognition:	Validity	Validity				
Test Report No.: MPCB/RL-Chip	olun/JVS/22-23/02/3		Date: 08/02/2023	3 06:28 PM		
Analysis Report-Water (JVS)						
Field Sample ID :	BR-0035568					
	POSCO Maharashtra Steel Pvt. Ltd.					
Name & Address of the Industry	R44 Industry or process ir pickling/ electroplating/paphosphating or finishing a	int stripping/ hea	at treatment using	cyanide bath/		
Sampling Location :	OTHERS (East Gate)	/				
Lab code :	MPCB/RL-Chiplun/JVS/2	22-23/1119				
Sampling Method(s):	r Service	Sample Details (Water/Air/HV		Water		
Sampling drawn by (Officer name):	FO-Mahad (Mr. Sandip Sonawane)	Sample Volum	ne Received :			
Sample submitted by (Name):	FO-Mahad (Mr. Sandip Sonawane) (SRO- Mahad)	Seal No. :		240		

### **Test Report**

05/12/2022 03:20 PM

08/12/2022 11:45 AM

Date of Sample receipt to

Laboratory (dd/mm/yyyy):

07/12/2022 03:17 PM

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
1	рН	7.9 🛚			
2	Total Dissolved Solids(TDS)	916.0	mg/l		
3	Suspended Solids (SS)	14.0	mg/l		

Sr.No	Parameter	Results	Unit	Method Adopted	MU(If required)
4	Biochemical Oxygen Demand(BOD)	4.0	mg/l		
5	Chloride	317.90	mg/l		
6	Chemical Oxygen Demand (COD)	40.0	mg/l		
7	Cyanide	NA	mg/l		
8	Sulphate	129.64	mg/l		
9	Cadmium	BDL	mg/l		
10	Chromium Total	BDL	mg/l		
11	Iron	0.48	mg/l		
12	Lead	BDL	mg/l		
13	Nickel	BDL	mg/l		
14	Zinc	0.22	mg/I		
15	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

#### Comment (if any):

**Comment for Amended Report:** 

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing Results Approved by: Anil N Sandansing Results Reviewed by: Anil N Sandansing

Anil N Sandansing
I/c Scientific Officer,
Regional Laboratory,
Chiplun,

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- 2. # indicates paramters are not in scope of NABL(ISO:17025:2017)
- 3. Samples will be preserved for a period 10 days from the delivery of Test Certificate.
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- 6. MU values will be reported on request.

# MAHARASHTRA POLLUTION CONTROL BOARD REGIONAL LABORATORY, CHIPLUN

Phone no.: 02355-261970 Visit us at: http://mpcb.gov.in mail: mpcbchiplunlab@mpcb.gov.in



Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

NABL Certificate No.:	Validity	
Laboratory MoEF Recognition :	Validity	

Test Report No.: MPCB/RL-Chiplun/JVS/22-23/03/266 Date: 23/03/2023 02:17 PM

#### Analysis Report-Water (JVS)

Field Sample ID :	BR-0039452						
Name & Address of the Industry	POSCO Maharashtra Steel Pvt. Ltd.  R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing						
Sampling Location :	OTHERS (CRM Outlet)						
Lab code :	MPCB/RL-Chiplun/JVS/22-23/1562						
Sampling Method(s):	ır Service	Sample Details (Water/Air/HW) :	Water				
Sampling drawn by (Officer name):	FO-Mahad (Shri J. J. Kumbhar)	Sample Volume Received :					
Sample submitted by (Name):	FO-Mahad (Shri J. J. Kumbhar) (SRO- Mahad)	Seal No.:	231				
Date of Sample Collection.(dd/mm/yyyy):	18/01/2023 03:15 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy):	24/01/2023 05:07 PM				
Analysis start Date (dd/mm/yyyy).:	24/01/2023 06:34 PM						

### **Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
1	pН	8.5			
2	Total Dissolved Solids(TDS)	1278.0	mg/l		
3	Suspended Solids (SS)	18.0	mg/l		

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
4	Biochemical Oxygen Demand(BOD)	4.0	mg/l		
5	Chloride	238.18	mg/l		
6	Chemical Oxygen Demand (COD)	20,0	mg/l		
7	Cyanide	NA	mg/l		
8	Sulphate	153.95	mg/l		
9	Cadmium	BDL	mg/l		
10	Chromium Hexavalent	BDL	mg/l		
11	Chromium Total	BDL	mg/l		
12	Iron	1.30	mg/l		
13	Lead	BDL	mg/l		
14	Nickel	0.04	mg/l		
15	Zinc	0.20	mg/l		
16	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

Comment (if any):

Comment for Amended Report:

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing Results Approved by: Anil N Sandansing Results Reviewed by: Anil N Sandansing

> Anil N Sandansing I/c Scientific Officer, Regional Laboratory, Chiplun,

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- 2. # indicates paramters are not in scope of NABL(ISO:17025:2017)
- 3. Samples will be preserved for a period 10 days from the delivery of Test Certificate.
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- 5. The Contents of this Report shall not be reproduced in part or in full without written approval of laboratory.
- 6. MU values will be reported on request.

# MAHARASHTRA POLLUTION CONTROL BOARD REGIONAL LABORATORY, CHIPLUN

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Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

NABL Certificate No.:	Validity
Laboratory MoEF Recognition :	Validity

Test Report No.: MPCB/RL-Chiplun/JVS/22-23/03/258 Date: 23/03/2023 02:24 PM

#### Analysis Report-Water (JVS)

Field Sample ID :	BR-0039453					
	POSCO Maharashtra Stee	l Pvt. Ltd.				
Name & Address of the Industry	R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing					
Sampling Location :	OTHERS (EDR Outlet)					
Lab code:	MPCB/RL-Chiplun/JVS/22-23/1563					
Sampling Method(s):	ır Service	Sample Details (Water/Air/HW) :	Water			
Sampling drawn by (Officer name):	FO-Mahad (Shri J. J. Kumbhar)	Sample Volume Received :				
Sample submitted by (Name):	FO-Mahad (Shri J. J. Kumbhar) (SRO- Mahad)	Seal No.:	231			
Date of Sample Collection.(dd/mm/yyyy):	18/01/2023 03:25 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy):	24/01/2023 05:07 PM			
Analysis start Date (dd/mm/yyyy).:	24/01/2023 06:35 PM					

### **Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
1	pН	7.4			
2	Total Dissolved Solids(TDS)	52.0	mg/l		
3	Suspended Solids (SS)	11.0	mg/l		

Sr.No	Parameter	Results	Unit	Method Adopted	MU(If required)
4	Biochemical Oxygen Demand(BOD)	6.0	mg/l		
5	Chloride	7.05	mg/l		
6	Chemical Oxygen Demand (COD)	20.0	mg/l		,
7	Cyanide	NA	mg/l		
8	Sulphate	11.64	mg/l		
9	Cadmium	BDL	mg/l		
10	Chromium Hexavalent	BDL	mg/l		
11	Chromium Total	BDL	mg/l	-	
12	Iron	1.60	mg/l		
13	Lead	BDL	mg/l		
14	Nickel	0.02	mg/l		
15	Zinc	0.48	mg/l		
16	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

Comment (if any):

Comment for Amended Report:

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing Results Approved by: Anil N Sandansing Results Reviewed by: Anil N Sandansing

> Anil N Sandansing I/c Scientific Officer, Regional Laboratory, Chiplun,

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- 2. # indicates paramters are not in scope of NABL(ISO:17025:2017)
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Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist, Ratnagiri. 415 605

NABL Certificate No.:	Validity
Laboratory MoEF Recognition :	Validity

Test Report No.: MPCB/RL-Chiplun/JVS/22-23/03/259 Date: 23/03/2023 02:24 PM

#### Analysis Report-Water (JVS)

Field Sample ID :	BR-0039454						
	POSCO Maharashtra Steel Pvt. Ltd.						
Name & Address of the Industry	R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing						
Sampling Location :	OTHERS (East Gate)						
Lab code :	MPCB/RL-Chiplun/JVS/22-23/1564						
Sampling Method(s):	ır Service	Sample Details (Water/Air/HW) :	Water				
Sampling drawn by (Officer name):	FO-Mahad (Shri J. J. Kumbhar)	Sample Volume Received :					
Sample submitted by (Name):	FO-Mahad (Shri J. J. Kumbhar) (SRO- Mahad)	Seal No.:	231				
Date of Sample Collection.(dd/mm/yyyy):	18/01/2023 03:40 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy):	24/01/2023 05:08 PM				
Analysis start Date (dd/mm/yyyy). :	24/01/2023 06:35 PM						

### **Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
1	рН	8.3			
2	Total Dissolved Solids(TDS)	1364.0	mg/l		
3	Suspended Solids (SS)	14.0	mg/l		

Sr.No	Parameter	Results	Unit	Method Adopted	MU( If required)
4	Biochemical Oxygen Demand(BOD)	4.()	mg/l		
-5	Chloride	53833	mg/l		
6	Chemical Oxygen Demand (COD)	20.0	mg/l		
7	Cyanide	NA	mg/l		
8	Sulphate	98.90	mg/l		
9	Čadmium	BDL	mg/l		
10	Chromium Hexavalent	BDL	mg/l		
11	Chromium Total	BDL	mg/l		
12	Iron	1.80	mg/l		
13	Lead	BDL	mg/l		
14	Nickel	0.02	mg/l		
15	Zinc	0.12	mg/l	, a	
16	Oil & Grease	BDL	mg/l		

#### End of The Report

Abbreviations: - BDL=Below Detectable limit, N.D.=Not Detected, N.A.= Not Analyzed, \* Not covered under NABL scop.

Comment (if any):

Comment for Amended Report:

Remark: - Note: This test report refers only to the sample submitted for the testing.

Results Compiled by: Anil N Sandansing Results Approved by: Anil N Sandansing Results Reviewed by: Anil N Sandansing

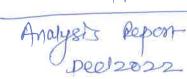
> Anil N Sandansing I/c Scientific Officer, Regional Laboratory, Chiplun,

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#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

	· · · · · · · · · · · · · · · · · · ·	TIOILI (DITY (DLIT TT.O.Z.)
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10760
M/s POSCO-Maharashtra Steel	REPORT DATE	12/12/2022
Pvt. Ltd,	LAB REFERENCE NO.	HS/LAB/WA/0948
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	06/12/2022
Industrial Area, Tal-Mangaon, Dist-	SAMPLE RECEIPT DATE	07/12/2022
Raigad, Maharashtra, 402308.	START DATE OF ANALYSIS	07/12/2022
	END DATE OF ANALYSIS	12/12/2022
	SAMPLING REF. / SOP NO.	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Effluent Sample	Horizon Services	Plastic Bottle-1000ml	Treated	CGL WWTP at Final Tank

#### **RESULTS OF ANALYSIS**

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	MPCB	TEST METHOD
				LIMITS	REFERENCE
01	рН		7.74	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	42.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D,
03	Total Dissolved Solids	mg/lit	1082.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	30.00	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	8.60	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl⁻	mg/lit	284.40	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 CI <sup>-</sup> B
07	Sulphates as SO4	mg/lit	161.00	< 1000.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
08	Oil and Grease	mg/lit	BDL < 0.01	< 10.0	APHA 23 <sup>rd</sup> Ed 2017, 5520 B
09	Iron as Fe	mg/lit	0.12	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
10	Lead as Pb	mg/lit	NIL	< 0.10	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
11	Cadmium as Cd	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
12	Zinc as Zn	mg/lit	0.24	< 5.0	APHA 23rd Ed 2017, 3111 B
13	Nickel as Ni	mg/lit	NIL	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
14	Cyanide as Cn	mg/lit	BDL < 0.01	< 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500- Cn E
15	Total Chromium as Cr	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B

For HORIZON SERVICES

F MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Underground water.

Analysis Report

Dec 2000

Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10761
M/s POSCO-Maharashtra Steel	REPORT DATE	12/12/2022
Pvt. Ltd,	LAB REFERENCE NO	HS/LAB/WA/0948
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	06/12/2022
Industrial Area, Tal-Mangaon,	SAMPLE RECIEPT DATE	07/12/2022
Dist-Raigad, Maharashtra, 402308.	START DATE OF ANALYSIS	07/12/2022
402300.	END DATE OF ANALYSIS	12/12/2022
	SAMPLING REF./SOP NO	HS/NABL/QC/07

DETAILS OF	SAMPLE COLLECTED	SAMPLE CONTAINER	NATURE	LOCATION
SAMPLE	BY	& QUANTITY		
Ground Water	Horizon Services	Plastic bottle – 1000ml	3000	Underground Water
		Glass Bottle- 250 ml		

#### **RESULTS OF ANALYSIS**

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	LIMITS IS 10500:2018	TEST METHOD REFERENCE
01	рН		7.55	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	223.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Chlorides as Cl <sup>-</sup>	mg/lit	31.50	< 250.00	APHA 23rd Ed 2017, 4500 CI-B
04	Total Hardness CaCO <sub>3</sub>	mg/lit	126.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
05	Calcium as Ca	mg/lit	34.46	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
06	Magnesium as Mg	mg/lit	9.72	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
07	Iron as Fe	mg/lit	0.17	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
08	Nitrates as NO <sub>2</sub>	mg/lit	0.85	< 45.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 NO <sub>3</sub> B
09	Fluoride as F	mg/lit	0.04	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F- D
10	Residual Chlorine - Cl <sub>2</sub>	mg/lit	0.22	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
11	Alkalinity as CaCO₃	mg/lit	55.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
13	MPN	MPN/100ml	NIL	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 B
14	E.Coli	Org./ml	ABSENT	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 G

**REMARK:** As per IS 10500:2018 above water sample is chemically and bacteriologically potable for drinking purpose, for the parameters tested.

F MANISHA NARGOLKAR (Lab Incharge)

For HORIZON SERVICES

\*\*\*\*End of Test Report\*\*\*\*



Analysis Report, Deel 22

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. Mobile: 7249867318, 8378018710
 Tel.: 020 - 25460202, 25460203.
 Email: kmn@hespl.co.in / md@hespl.co.in
 www.hespl.co.in

#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/10762
M/s POSCO-Maharashtra Steel	REPORT DATE	12/12/2022
Pvt. Ltd,	LAB REFERENCE NO.	HS/LAB/WA/0948
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	06/12/2022
Industrial Area, Tal-Mangaon, Dist-	SAMPLE RECEIPT DATE	07/12/2022
Raigad, Maharashtra, 402308.	START DATE OF ANALYSIS	07/12/2022
	END DATE OF ANALYSIS	12/12/2022
	SAMPLING REF. / SOP NO.	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Drinking Water Sample	Horizon Services	Plastic Bottle-1000ml Glass bottle-250ml		MIDC Potable CGL & QCRM Utility

#### **RESULTS OF ANALYSIS**

SR.	DESCRIPTION OF	UNIT	RESULTS	LIMITS IS	TEST METHOD
NO.	PARAMETERS			10500:	REFERENCE
				2018	(X
01	pН		7.42	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	64.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Iron as Fe	mg/lit	0.03	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
04	Chlorides as Cl⁻	mg/lit	6.75	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
05	Sulphates as SO4	mg/lit	3.12	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
06	Calcium as Ca	mg/lit	7.21	< 75.00	APHA 23rd Ed 2017, 3500 Ca B
07	Magnesium as Mg	mg/lit	3.88	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
08	Total Hardness CaCO3	mg/lit	34.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
09	Nitrate as NO₃	mg/lit	0.18	< 45.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 NO <sub>3</sub> B
10	Fluoride as F	mg/lit	0.04	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F <sup>-</sup> D
11	Total Alkalinity CaCO3	mg/lit	34.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
12	Residual Chlorine	mg/lit	0.27	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 CI <sup>-</sup> B
13	MPN	MPN/100ml	NIL	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 B
14	E.Coli	Org./ml	ABSENT	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 G

REMARK: As per IS 10500:2018 above water sample is chemically and bacteriologically potable for drinking purpose, for the parameters tested.

F MANISHA NARGOLKAR (Lab Incharge)

For HORIZON SERVICES

\*\*\*\*End of Test Report\*\*\*



CRM-WWTP-Report Febl 23.

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15195
M/s POSCO-Maharashtra Steel	REPORT DATE	06/03/2023
Pvt. Ltd,	LAB REFERENCE NO.	HS/LAB/WA/1299
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	27/02/2023
Industrial Area, Tal-Mangaon, Dist-	SAMPLE RECEIPT DATE	27/02/2023
Raigad, Maharashtra, 402308.	START DATE OF ANALYSIS	28/02/2023
	END DATE OF ANALYSIS	04/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Effluent Sample	Horizon Services	Plastic Bottle-1000ml Glass bottle-250ml	Treated	CRM WWTP at Final Tank

#### **RESULTS OF ANALYSIS**

SR. NO.	DESCRIPTION OF	UNIT	RESULTS	MPCB	TEST METHOD
	PARAMETERS			LIMITS	REFERENCE
01	pН		7.29	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	31.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D.
03	Total Dissolved Solids	mg/lit	912.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	92.60	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	25.60	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl⁻	mg/lit	169.85	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
07	Sulphates as SO <sub>4</sub>	mg/lit	92.10	< 1000.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
08	Oil and Grease	mg/lit	BDL < 0.01	< 10.0	APHA 23 <sup>rd</sup> Ed 2017, 5520 B
09	Iron as Fe	mg/lit	0.10	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
10	Lead as Pb	mg/lit	NIL	< 0.10	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
11	Cadmium as Cd	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
12	Zinc as Zn	mg/lit	0.20	< 5.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
13	Nickel as Ni	mg/lit	NIL	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
14	Cyanide as Cn	mg/lit	BDL < 0.01	< 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500- Cn E
15	Total Chromium as Cr	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B



For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NARI /F/7 8 2 1

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CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15592
M/s POSCO-Maharashtra Steel	REPORT DATE	15/03/2023
Pvt. Ltd,	LAB REFERENCE NO.	HS/LAB/WA/1349
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	10/03/2023
Industrial Area, Tal-Mangaon, Dist- Raigad, Maharashtra, 402308.	SAMPLE RECEIPT DATE	10/03/2023
Naigau, Manarashira, 402308.	START DATE OF ANALYSIS	11/03/2023
	END DATE OF ANALYSIS	15/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Effluent Sample	Horizon Services	Plastic Bottle-1000ml	Treated	CGL WWTP at Final Tank

#### **RESULTS OF ANALYSIS**

SR.	DESCRIPTION OF	UNIT	RESULTS	MPCB	TEST METHOD
NO.	PARAMETERS		REGOLIO	LIMITS	REFERENCE
01	рН		7.08	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	37.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D.
03	Total Dissolved Solids	mg/lit	1612.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	19.20	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	5.60	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/lit	314.50	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 CIB
07	Sulphates as SO4	mg/lit	196.15	< 1000.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
08	Oil and Grease	mg/lit	BDL < 0.01	< 10.0	APHA 23 <sup>rd</sup> Ed 2017, 5520 B
09	Iron as Fe	mg/lit	0.14	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
10	Lead as Pb	mg/lit	NIL	< 0.10	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
11	Cadmium as Cd	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
12	Zinc as Zn	mg/lit	0.30	< 5.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
13	Nickel as Ni	mg/lit	NIL	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
14	Cyanide as Cn	mg/lit	BDL < 0.01	< 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500- Cn E
15	Total Chromium as Cr	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*



Posco MH- Drinking water Sample Analysis Report

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **ANALYSIS REPORT**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

At this production of the same		10/LAD/NABL/F//.8.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15594
M/s POSCO-Maharashtra Steel	REPORT DATE	15/03/2023
Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	LAB REFERENCE NO.	HS/LAB/WA/1349
	SAMPLING DATE	10/03/2023
	SAMPLE RECEIPT DATE	10/03/2023
	START DATE OF ANALYSIS	11/03/2023
	END DATE OF ANALYSIS	15/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Drinking Water Sample	Horizon Services	Plastic Bottle-1000ml Glass bottle-250ml		MIDC Potable CGL & QCRM Utility

RESULTS OF ANALYSIS

SR.	DESCRIPTION OF	UNIT	RESULTS	LIMITS IS	TEST METHOD
NO.	PARAMETERS	1	KEGGETG	10500:	
				2018	REFERENCE
01	pH		7.19	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	72.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-H B
03	Iron as Fe	mg/lit	0.05	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
04	Chlorides as Cl⁻	mg/lit	7.25	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 CI'B
05	Sulphates as SO4	mg/lit	3.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
06	Calcium as Ca	mg/lit	4.80	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
07	Magnesium as Mg	mg/lit	2.40	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
08	Total Hardness CaCO3	mg/lit	26.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
09	Nitrate as NO₃	mg/lit	0.25	< 45.00	APHA 23 <sup>rd</sup> 2017, 4500 NO <sub>3</sub> B
10	Fluoride as F	mg/lit	0.05	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F D
_11_	Total Alkalinity CaCO3	mg/lit	39.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
12	Residual Chlorine	mg/lit	0.26	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 CIB
13	MPN	MPN/100ml	NIL	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 B
14	E.Coli	Org./ml	ABSENT	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 G

**REMARK:** As per IS 10500:2018 above water sample is chemically and bacteriologically potable for drinking purpose, for the parameters tested

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*



Underground Water Analysis fapon
10th Mari 23.

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### ANALYSIS REPORT

Page 1 of 1 HS/LAB/NABI /F/7 8 2 1

		110/12/10/14/10/21/17/.0.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/15593
M/s POSCO-Maharashtra Steel	REPORT DATE	15/03/2023
Pvt. Ltd,	LAB REFERENCE NO	HS/LAB/WA/1349
Plot No.C-1, Vile Bhagad MIDC	SAMPLING DATE	10/03/2023
Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra,	SAMPLE RECIEPT DATE	10/03/2023
402308.	START DATE OF ANALYSIS	11/03/2023
	END DATE OF ANALYSIS	15/03/2023
	SAMPLING REF./SOP NO	HS/NABL/QC/07

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ground Water	Horizon Services	Plastic bottle – 1000ml Glass Bottle- 250 ml		Underground Water

#### RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	LIMITS IS 10500:2018	TEST METHOD REFERENCE
01	рН		7.21	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	304.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Chlorides as Cl <sup>-</sup>	mg/lit	42.15	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 CIB
04	Total Hardness CaCO <sub>3</sub>	mg/lit	122.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
05	Calcium as Ca	mg/lit	32.10	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
06	Magnesium as Mg	mg/lit	10.20	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
07	Iron as Fe	mg/lit	0.15	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
08	Nitrates as NO <sub>2</sub>	mg/lit	1.20	< 45.00	APHA 23 <sup>rd</sup> 2017, 4500 NO <sub>3</sub> B
09	Fluoride as F	mg/lit	0.09	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F D
10	Residual Chlorine - Cl <sub>2</sub>	mg/lit	0.21	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 CI'B
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	72.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
13	MPN	MPN/100ml	NIL	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 B
14	E.Coli	Org./ml	ABSENT	ABSENT	APHA 23 <sup>rd</sup> Ed 2017, 9221 G

**REMARK:** As per IS 10500:2018 above water sample is chemically and bacteriologically potable for drinking purpose, for the parameters tested

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### ANALYSIS REPORT

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

REPORT NO	HS/LAB/WA/0162
REPORT DATE	18/04/2023
LAB REFERENCE NO.	HS/LAB/WA/0070
SAMPLING DATE	13/04/2023
SAMPLE RECEIPT DATE	14/04/2023
START DATE OF ANALYSIS	14/04/2023
END DATE OF ANALYSIS	18/04/2023
SAMPLING REF. / SOP NO.	HS/NABL/QC/07
	REPORT DATE  LAB REFERENCE NO.  SAMPLING DATE  SAMPLE RECEIPT DATE  START DATE OF ANALYSIS  END DATE OF ANALYSIS

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Effluent Sample	Horizon Services	Plastic Bottle-1000ml	Treated	CRM WWTP

#### RESULTS OF ANALYSIS

SR.	DESCRIPTION OF	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
NO.	PARAMETERS	-	0.44		APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>†</sup> B
01	pH		8.44	5.5 to 9.0	· · · · · · · · · · · · · · · · · · ·
02	Suspended Solids	mg/lit	22.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D,
03	Total Dissolved Solids	mg/lit	485.00	< 2100.0	APHA 23 <sup>ra</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	64.00	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	5 Biochemical Oxygen Demand (27oC for 3 days)		17.50	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl	mg/lit	33.45	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 CIB
07	Sulphates as SO4	mg/lit	28.50	< 1000.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
08	Oil and Grease	mg/lit	BDL < 0.01	< 10.0	APHA 23 <sup>rd</sup> Ed 2017, 5520 B
09	Iron as Fe	mg/lit	0.07	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
10	Lead as Pb	mg/lit	NIL	< 0.10	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
11	Cadmium as Cd	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
12	Zinc as Zn	mg/lit	0.10	< 5.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
13	Nickel as Ni	mg/lit	NIL	< 3.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B
14	Cyanide as Cn	mg/lit	BDL < 0.01	< 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500- Cn E
15	Total Chromium as Cr	mg/lit	BDL < 0.01	< 2.0	APHA 23 <sup>rd</sup> Ed 2017, 3111 B

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



#### POSCO Maharashtra Steel Pvt. Ltd.

 $\label{eq:local_problem} \mbox{Head Office} - \mbox{C-1, Vile- Bhagad MIDC industrial area, Tal- Mangaon,}$ 

Dist -Raigad, Maharashtra 402 308

Website: http://www.poscomaharashtra.com

CIN-U27100MH2009PTC190873

#### **ANALYSIS REPORT (P-MH Internal Lab.)**

Report of Analysis of Treated Effluent showing performance of the **Effluent Treatment Plant (CRM Plant)** in the month **Dec, 2022~May, 2023** 

Monthly Average Analysis Report based on daily Analysis Results of Treated Water Sample.

#### By the Laboratory: POSCO Maharashtra Steel Pvt. Ltd.

S. No	Parameter	MPCB Consent Limit	Dec'22	Jan'23	Feb'23	Mar'23	Apr'23	May'23	Average
1	рН	Between 5.5~ 8.5	8.030	7.952	7.918	7.921	7.977	8.067	7.978
2	Suspended solids	< 100 mg/l	8.419	8.258	8.643	8.258	8.000	8.310	8.315
3	BOD 3 days at 27 <sup>0</sup> C	< 30 mg/l	11.550	10.429	9.914	10.429	12.038	11.300	10.943
4	COD	< 250 mg/l	44.065	42.258	46.500	47.032	42.167	43.966	44.331
5	Oil & Grease	< 10 mg/l	0.252	0.277	0.300	0.329	0.483	0.500	0.357
6	Dissolved Solids- (Inorganic)	< 2100 mg/l	740.452	866.00	1172.00	1224.35	898.400	703.448	934.108
7	Chlorides	< 600 mg/l	321.855	354.59	446.279	436.389	348.462	292.259	366.639
8	Lead as (Pb)	< 0.1 mg/l	0.002	0.009	0.013	0.013	0.013	0.008	0.010
9	Cadmium	< 2 mg/l	0.036	0.005	0.005	0.005	0.008	0.010	0.012
10	Total Chromium (As Cr)	< 2 mg/l	0.138	0.098	0.025	0.017	0.011	0.017	0.051
11	Nickel (As Ni)	< 3 mg/l	0.141	0.086	0.017	0.017	0.009	0.008	0.046
12	Zinc (As Zn)	< 5 mg/l	0.134	0.064	0.225	0.183	0.218	0.284	0.185
13	Iron	< 3 mg/l	0.631	0.462	0.399	0.217	0.320	0.466	0.416
14	Cyanide (As CN)	< 0.2 mg/l	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	Sulphates	< 1000 mg/l	148.614	318.40	292.864	268.378	247.436	210.975	247.778
16	Hexavalent Chromium as Cr	< 0.1 mg/l	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Authorized Signatory** 

For POSCO Maharashtra Steel Pvt Ltd.



Mr. Atin N. Raut

**AGM-EHS** 

#### VIEW OF THE WORLD

Suicide bombershot dead near Indian embassy in Kandahar

Indian embasoy in Kandahar Kasach Austein bomber was on Thumalay pamed dhen cisce for the Indian Consider complex an Agametan X sinchusy permise perfect the Control of the Indian Consider control the Control of the Indian Consider personal the Control of the Indian Consider personal the Control of the Indian Consider Segue access to the stored heating the Indian consistent. They shall suffer the Indian through the Indian of the Indian attempt to attack the Indian consultate, and including an exist. The Indian architical particulars are of the Indiana Consultate, and including an exist. The Indiana Process, place Indiana are of the The Indiana Process, place Indiana are of the The Indiana Process, place Indiana are of the The Indiana Process, place University of Process in 2013, and 2009. Utilizarian to the true to move military forces.

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Japanese arths Yold One poses for photographers during the presentation embricon at the Suggest very Blook No. In Billing, Spilot, on Thursday —AFP

Bomb threat at Virginia university, buildings evacuated

Washington: Police were investigating a bento threat at visigina's Secrigi Macon University on Thursday, and buildings were exaceled. The school sand authorities were weeking information about who made the timest to occupied about with make on wheth a course fair with Thirties William carryon, the very end to self-on its website. Three behings were enactashed, and skuttle but sendomine, surpreded, it said. The school's students were on spring break this week.



# diagworld



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# US court dismisses Devyani's indictment in visa fraud case

Now York: Indian Alpiems onder 'it is undispined' thet the Dovjoni Kosteragade, whose arters and sarige-search sourced in de US cessions, soday won the US cessions, soday won the Stream one with a US judge ruting of had all digionate's limiting. In a major relate of 20-post of Kribbit-spale, time came and Kribbit-spale time came and Kribbit-spale time came are actly three mouths after large after the process of accept from

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# **'MH370 flew for hrs** after losing contact'

Claims made by US probe are quashed by Malay authorities

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### WEST CENTRAL RAILWAY OPEN TENDER-CIVIL ENGINEERING TENDER NOTICE NO. DYCEIC KOTAGO OF 2014 Date: 402/2014

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This is to inform all people through this solide that POSCO MAHARASHTRA STEEL PVT, LTD., Pot No-C1, Vie-Bhagad MIDC, Tal-Mangaon, Disk Raight, has been accorded prior Environmental Character for Cold Railing Alia Project Chase it at the above mentioned sits from SEAA Male Level Environment Impact Assessment Authority. Department of Environment Govt of Maharanthia vide Linter SEAC-2011/CR-968/TC2, dated 26/02/2014 under company 3(a) & 8(b) B1 of EIA North atton 2006.

Copy of Price Environmental Chranance is made available for public on the with the of SEBAA, Department of Environment Govt, of Maharanthia and also with MACH (Maharanthia Pollution Control Board), http://ec.maharashtra.gov.in

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Estimated Cost:	Rs.66,42,792.00					
Earnest Money:	Rs. 1,32,856.80	Rs. 1,32,856.00				
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Submission of tend	ors.	: upto 1500 hrs on 16-64-2014				
Opening of tenders		: 16-64-2014 at 1530 hrs.				

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मराठी

# CRM- plant - (News in Marathi Newspuper)

भ्यर्ड, सोमवार, ४ ज्लै २०११

#### विद्यार्थ्यांनी फेले वियांचे रोपण

पायम्ब जिल्हा परिपदेच्या मुरूङ तालुक्यातील तळेखारच्या प्राथमिक शाळेतील विद्यार्थ्यांनी नजीव अ टेकडीवर एक हजार वियाचे रोपण केले. शाळा व्यवस्थापन समितीचे अध्यक्ष राजन घोंडसेकर य अन्य येळी उपस्थित होते. शाळेच्या मुख्याध्यापिका जयभी पाटील यांनी उपस्थितांचे स्वागत केले.

होता. कणकवारी शक्षा आणि र्धारसरात क्रांन पावसाचा जोर बाढला होता. दिवसभर ढगळ वातावरण होते. बांद्यात मुसळधार गाऊस झाला. यापुळे परिसरांत शेती कामांत व्यत्यय वत होता. गेले काही दिवस तेरेखोल नदीच पाणी खाइले मन्द्रती; परंत आज हालेल्या पावसामुळे नदीपात्र तुडुंब भारत बाहत होते. तेरेखाल नदीवरील जुऱ्या तु*ळ*साण - पुलाखालून काही

नीट झाली, जिल्ह्यात आफ सकाळी आठ वार्वपर्यंत संप्लेल्या धोवीस तासात झालेला पाकस व कंसात आतापर्यंतचा पाउस मिलिमीटरमध्ये असा : दोद्यमार्ग-५१ (१४६९.४०), सावंतवाहो-७९ कुडाळ-६३ (११८९), मालवण-२० (१०९९), देवगह-३३ (१०५८), कणकवली-११४ (१५१७,१५), वैभववाडी-९९ (१५१७).

# रिक्षा भाडेवाढीला पर्याय सी।

# सीएनजीवर रिक्षा सुरू करण्याची कल्याण-डोंबिवलीतील रिक्षाचालकांची मागण

कल्याण, ता. ३ : मुंबईपेक्षा येथे केली. ऋल्याण-डोबिवलीतील रिक्षा प्रवास महागडा असून प्रवाशांना सो परवडत नाही. इंधनच्या किमती स्थिर

बोस्ट्यांनी पराचा दरवाजा आतुन पंद केल्याचे आढळून आले. त्यामुळे साळुंखे यांनी आपल्या मदतीला इगारतीत राहणारे राजू गावडे आणि शिवाजी भोसले यांना बोलावले. त्यावेळी घरात शिरलेल्या दोषा चोरट्यांनी या तिषांवर कोयता व दगदाने हल्ला चढविला. त्यानंतर दोन्ही चोरट्यांनी तेथून पलायन केले. या प्रकरणी पोलिस अधिक तप्रम करीत आहेत.

आनंदवाडी येथे न नेता दुसच्याच

ठिकाणी नेली. त्याला कब्रिता यांनी

कल्याण पश्चिमेतील सनई मंगल कार्यालयात संघटनेने आयोजित

साहेबराव अडसूळ आदी या वेळी उपस्थित होते. पेणकर प्रहणाले, सींप्रनजीवर कल्याण-डॉबिवलीत

लत रिका चालविल्याम ३० रिकाणलेक सीमन च स्थाच्या केलेल्या जाहीर मेळाव्यात ते बोलत भारताच्या गर्ने रिक रिशानारुको दीपका याने रिशा साथीणारीका गुन्ता वारकार केवल आहे. मात्र, अधाप योगालाही

अटक झालेली वाही CRAA

### जाहीर सवना

तभाम लोवांना या सूचनेवारे कळविण्यात थेरो की, पॉस्को महाराष्ट्र स्टील व्रा. लि., प्लॉट्टनं. शी-१, विले भगड एम आय डी सी, तालुका माणगाय, जिल्हा रायगड या क्रपनीस त्यांच्या वरील पत्यावरील नियोजित प्रकल्पासाठी पर्यावरण विभागाची अग्रिम परवानगी SEIAA (State Level Environment Impact Assessment Authority), पर्यावरण विभाग, महाराष्ट्र शासन यांध्याकडून SEAC-2010/CR-639/TC-2 Dated 23/06/2011 या प्रशान्यये पिळालेली आहे.

आगाज पर्यावश्य विषयक परवानगीथी प्रत जनतेला पाठण्यासाठी एस ई आग्र ए र (पर्यावरण विभाग, महाराष्ट्र शासन) च्या वेबसाइटवर संरोध महाराष्ट्र प्रयूषण निवंत्रर्ण भंदळाच्या http://envis.maljarashtra.gov.in या वेबसाहटवरही उपलब्ध आहे.

महाराष्ट्र कामगार कल्याण मडळ

#### Karkhana Ltd., f Tal- Mangalwedin, TENDER NOTICE FOR E

सीएनजो पंप सुरू करण्यात जि

Souled landers are invited for Expen

अशी मागणोही केला.

शहरातील

	Consider the property	ENDOUGE !»
1	Production your	2010-11
2	Sugar Grade	S-30
3	Tonder quantity	1000.15
4	Inspection	To be bu
5	Packing	50 Kg. P
6	Delivery	Ex-Karkn
7	Transport subsidy	If applicat

The Exporter must submit pro-DGFT and APEDA. Please offer Please submit tenders within 7 day. Also we are interested to sale of

party export on premium pasis Other terms & conditions will be negotiation karkhana reserve all ne all tenders without assigning any re-

A. D. Khandad Sou Wideness

जाहीर नोटीस

ज्याअर्थी सदर नोटिसीमध्ये नमूद संबंधित जमीनमालक/हितसंबंधितांस याद्वारे सूचित करण्यात थेते की. खा-लील परिशिष्टामधील मिळवातीवर वसलेल्या डॉल्फीन सहकारी गृहनिर्माण संस्था (मिट्रो.), एउवर्ड जे हंग्रीबस कपाऊंड, ऑफ टॅकरोड, ऑलॅम मालाङ (प.) मुंबई ६४. यांनी मीजे-वळणई, तालुका-बोरियली या बसाहलीखा-लील क्षेत्र महाराष्ट्र झोपछपट्टी (सुधारणा, निर्मूलन य पुनर्विकास) अधिनियम १९७१ मधील कलम १४(१) मधील रारत्यीगसार भूसंपादन करणेबाबतचा प्रस्ताव या वसाहतीमधील रहिवाश्यांच्या वतीने खालील सही करणाऱ्या

# (News en English Newspaper)



Select tenders on prescribed torms are invalued for execution of under monitoned works, fur Billings, Division of Schorib East, Carles Hilliams store to state of contractions and collowing works: TENDER MOTICE FOR CIVIL ENGINEERING WORKS

MENTH EAST CENTRAL RAILWAY

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pluck truits stong with bis friends.

Picture for representational purpose

by police of a chapmer of the contraction of the co

(25,07,2011, 11:00 to 3.00 P.M. (15.00 Hours) of 1102, 70.20 J.o.w : smnot rabnof Jo olo S. 1010N. www.tender.gov.in,)

please visit website (www.felweb.nlc.in, and with FCI for sale of appx. 182 Mt. non-issuable (Damaged) Stocks lying at various depots in Gujarat on 'As is where is basis' for the details purchase of non-issuable/ Damaged Food Omins) scaled tenders from the parties Registered (for SOLIAUI CI-DROEDOUUV SOURONE INDOSE IN

Anness of words and every process of the process of TENNER HOTICE No. WIAITIBII2011-12: DL of Opening: 08.08.2011

TENDER FOR VARIOUS ENGINEERING WORKS THE PERSON NAMED AND POST OF THE PERSON NAMED AND POST OF THE PERSON NAMED AND PARTY.

MBAI

# 'Stay 27 pvt power projects'

State Congress chief worries 57 sanctioned projects will leave little water for farmers in Vidarbha, writes to Sonia

#### Shubhangi Khapre

After giving sanctions to 57 private power projects in Vi darbha region, the Maharash tra Pradesh Congress Com-mittee (MPCC) has now dashed off a letter to Congress

ting the temples to take to measures that have

æd a few eyebrows in Goa.

vertheless, all religious as have started imposing able restrictions in or-

their sanctity being



Two temples, Mangueshi (Shiva temple) and Mahalsa Narayani , have now intro-duced a dress code and have also beamed the entry of foreigners. "We have nothing against foreigners or tourists. In fact, even after we intro-

When a guest complained of gender discrimination as her daughter was not allowed to enter the temple as the was wearing shorts. The rejoinder from the temple was said "on your complaint of gender discrimination, we would like to classly, that the dress cade was implemented on demand by women of the state and by women to the training the work of the state and by women to the trom foreign countries. duced the dress code, our main visitors were the non-religious tourists in the off-season. Being a religious place, we have to maintain certain decorum inside the temy W pannot inside the tem omen allow scantily o. and men, they have other,

WHY ALLOW 57 POWER PROJECTS IN VIDARBHA?

The private players, who have signed the memorands of understanding with the state government for power plant projects in Vidarbha, have been assured of unlimited water supply or elso how does it justify when they have a mail from other states. to depend on coal from other states.

place of worship and certain slandards should be main-tained" said Uday Nagarsenkar, secretary of the Mangueshi Temple trust.

Nagarsonkar told DNA, Sometimes the foreigners come to temple after a visit to the local tavern, which will not be tolerated, which is why we have put up a board outside barring the foreigners from entering. But we allow those who are sober, well-monnered and adequately clad inside on re-quest," he added.

A kilometre away from Mangueshi temple is the Ma-halsa Narayani temple which has also imposed restrictions. "We have seen misconduct on

It only shows Moreover, the Congress and Nationalist facilities to the Congress and Nationalist facilities for the Women facility to do that, but this is a like y will not leave their they will not leave their footwear outside. They buy garlands and wear them before coming inside, they offer the same garland to the deity All these are sacrileges, commit-ted innocently," said Suvarna Nervekar, treasurer, Mahalsa Narayani temple trust.

It is not just Hindu temples which have found tourist be-haviour objectionable but also the Christian prayer halls. The Bom Jesus cathedral at Velha, old Gos, which is a world heritage site, has also notified that the tourists should behave in such a way that will not violate religious sentiments of the people visiting the C

MUMBAI [ MONDAY, JULY 4, 2011

www.dnaindia.com ( epoperulnaindia.com

# COMMUNITY REPORT

## Woman Haj officer now the pride of community

ast week, this newspaper reported about the misgivings in a suction of the Muslim community couple, But her relatives co

told Vikrain that Pandey had sent her abusive emails, which they would use against him if he troubled her again. They also told him that they would show the emails to the police, where the police, are the officer added Pandey was remanded in pa-dical custody and was later granted bail of Res.000.

of apoke about issues affecting the Maddin Theory that we cared the victims omalis on february 9, and had deleted

the emails which he had sen

#### PUBLIC NOTICE

The Is to inform all people through this notice that POSCO MAHARASHTRASTEEL PVT. LTD., Plot no. C-1, vile Bhagad MIDC, Tal. Mangaon, Dist. Raigad has been accorded prior Environmental Clearance for their upcoming project at above mentioned site from SEIAA (State Lavel Environment, Impact Assessment Authority), Department of Environment. Govt. of Muharashtra vide letter SEAC-2010/CR-639/TC-2 dated 23-06-2011.

Copy of Prior Environmental Clearance is made available for public on the website of SEIAA, Dept. of Environment. Govt of Maharashtra & also with MPCB (Meharashtra Poliution Control Board). http://envis.maharashtra.gov.in



Jan' 23. Annexure YIM

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

REPORT NO HS/LAB/AA/13936	i
REPORT DATE 06/02/2023	
el Pvt. LAB REFERENCE NO. HS/LAB/AA/636	
<b>SAMPLING DATE</b> 30/01/2023	
DC SAMPLE RECEIPT DATE 01/02/2023	
Dist – START DATE OF ANALYSIS 01/02/2023	
END DATE OF ANALYSIS 04/02/2023	
SAMPLING REF. / SOP NO. HS/NABL/Air/15	
Dist -   START DATE OF ANALYSIS   01/02/2023   END DATE OF ANALYSIS   04/02/2023	

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL- Boiler Stack

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	30/01/2023		
02	TEST LOCATION		CGL- Boiler Stack		
03	TIME OF SAMPLING	Hrs	17:00		
0.4	80	mg/NM <sup>3</sup>	Nil		IS 11255 (Part2):1985
04	SO <sub>2</sub>	kg/day	Nil		
05	NOx	ppm	4.0	<100	IS 11255 (Part 7):2005

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

\*\*\*\*End of Test Report\*\*\*\*

MANISHA NARGOLKAR
(Lab Incharge)



CGL-Stack Emission. Fyrnace - Jan 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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 www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

REPORT NO	HS/LAB/AA/13932
REPORT DATE	06/02/2023
LAB REFERENCE NO.	HS/LAB/AA/636
SAMPLING DATE	30/01/2023
SAMPLE RECEIPT DATE	01/02/2023
START DATE OF ANALYSIS	01/02/2023
END DATE OF ANALYSIS	04/02/2023
SAMPLING REF. / SOP NO.	HS/NABL/Air/15
	REPORT DATE  LAB REFERENCE NO.  SAMPLING DATE  SAMPLE RECEIPT DATE  START DATE OF ANALYSIS  END DATE OF ANALYSIS

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL- Furnace Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	30/01/2023		
02	TEST LOCATION		CGL- Furnace		
			Stack		
03	TIME OF SAMPLING	Hrs	14:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	42		= 1
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	488		l l
08	DIFFERENTIAL PRESSURE	mm WG	2.5		
09	VELOCITY	M/Sec	7.14		
10	DIAMETER OF STACK	M	1.7		
11	STACK AREA	M <sup>2</sup>	2.2687		
12	GAS VOLUME	NM³/Hr	35623.75		
13	PARTICULATE MATTER	mg/NM³	6.34	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM³	Nil		IS 11255 (Part2):1985
		kg/day	Nil		
15	NOx	ppm	1.0	<100	IS 11255 (Part 7):2005

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

> For HORIZON SERVICES menargolica

MANISHA NARGOLKAR (Lab Incharge)





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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/13933
	REPORT DATE	06/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/636
Ltd.	SAMPLING DATE	30/01/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	01/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	01/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	04/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	n Horizon Services	Plastic Bottles and Bags		CGL No. 1 Cleaning Stack

#### **RESULTS**

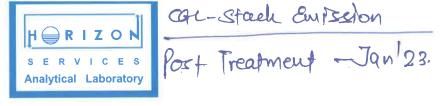
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	30/01/2023		
02	TEST LOCATION		CGL No. 1 Cleaning Stack		
03	TIME OF SAMPLING	Hrs	16:00		
04	ALKALI MIST	mg/NM <sup>3</sup>	1.05	<35	Lab Based SOP

**Equipment Used:** -1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

MIN OUT OUT OUT

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/13935
	REPORT DATE	06/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/636
Ltd.	SAMPLING DATE	30/01/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	01/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	01/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	04/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL Post Treatment Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	30/01/2023		
02	TEST LOCATION		CGL Post Treatment		
			Stack		
03	TIME OF SAMPLING	Hrs	15:00		
04	ACID MIST AS HCL	mg/Nm³	0.63	<35	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

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CGL-Pot Roll cleaning shop Stack Buission - Jan'23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/13934
	REPORT DATE	06/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/636
Ltd.	SAMPLING DATE	30/01/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	01/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	01/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	04/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF	SAMPLING DONE	SAMPLE CONTAINER &	NATURE	LOCATION
SAMPLE	BY	QUANTITY		
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL - Pot Roll Cleaning Shop
		_		Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	30/01/2023		
02	TEST LOCATION		CGL - Pot Roll Cleaning		
			Shop Stack		
03	TIME OF SAMPLING	Hrs	18:00		
04	ACID MIST AS HCL	mg/Nm³	0.58	<35	USEPA METHOD 08

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

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# MAHARASHTRA POLLUTION CONTROL BOARD Ar steek Emission

18th Jan 23

Phone: 02355-261970

Fax:-

Email: mpcbchiplunlab@mpcb.gov.in

Website: http://mpcb.gov.in



Regional Laboratory

Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

Repot Outward No.: MPCB/RL-Chiplun/Source Emission/22-23/03/7

Date: 08/03/2023 06:58 PM

#### Analysis Report-Air (Source Emission)

#### Client/Industry/location Name & Address

POSCO Maharashtra Steel Pvt. Ltd.

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing

Sample Details			
Field Sample ID: BR-0039449			
Laboratory Sample Code :	MPCB/RL-Chiplun/STK/22-23/267		
Sample Details (Water/Air/HW):	Air		
Sample Volume Received :			
Sample Collected By :	FO-Mahad (Shri J. J. Kumbhar) (SRO-Mahad)		
Seal No. :	231		
Type of Industry / Location details:	Red		
Sample Collected On: Jan 18 2023 03:00:00:000PM			

Sr.No	Parameter	Result	Unit	Method of analysis
1	SO2	11	mg/m <sup>3</sup>	
2	Total Particulate Matter	20	mg/Nm <sup>3</sup>	

Report Type: final

Report generated on: 08/03/2023 06:58 PM

Complied & Approved by: Anil N Sandansing

Reviewed on Date: 08/03/2023 06:58 PM

Reviewed by: Anil N Sandansing

Anil N Sandansing I/c Scientific Officer, Regional Laboratory, Chiplun,



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14577
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	13/02/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 01- Boiler Stack (24 MT)

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 01- Boiler Stack (24 MT)		
03	TIME OF SAMPLING	Hrs	14:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	30		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	495		
08	DIFFERENTIAL PRESSURE	mm WG	6.2		
09	VELOCITY	M/Sec	11.33		
10	DIAMETER OF STACK	M	1.65		
11	STACK AREA	M <sup>2</sup>	2.1371		
12	GAS VOLUME	NM³/Hr	52473.84		
13	PARTICULATE MATTER	mg/NM³	9.72	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM³	Nil		IS 11255 (Part2):1985
		kg/day	Nil		
15	NOx	ppm	2.0	<100	Flue Gas Analyser- based on manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model)

Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

menagourai

**MANISHA NARGOLKAR** (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

	- V	
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14578
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	13/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 02- Pickling Exhaust Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 02- Pickling		
			Exhaust Stack		
03	TIME OF SAMPLING	Hrs	15:00		
04	ACID MIST AS HCL	mg/Nm³	0.45	<35	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

Minargorian

MANISHA NARGOLKAR (Lab Incharge)



GRM-TCM-STACK.
Feb' 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14579
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	13/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 03- TCM Stack (CRM Plant)

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 03 - TCM		
			Stack (CRM Plant)		
03	TIME OF SAMPLING	Hrs	16:10		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	31.5		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	310		
08	DIFFERENTIAL PRESSURE	mm WG	6.3		
09	VELOCITY	M/Sec	9.04		
10	DIAMETER OF STACK	M	2.9		
11	STACK AREA	M <sup>2</sup>	6.6019		
12	GAS VOLUME	NM³/Hr	206474.85		
13	PARTICULATE MATTER	mg/NM³	8.76	<150	IS 11255 (Part 1):1985

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MÅNISHA NARGOLKAR (Lab Incharge)



CAL-furnace stack

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14580
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	14/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	-	CRM 04- CAL Furnace Stack

#### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	14/02/2023		
02	TEST LOCATION		CRM 04- CAL		
			Furnace Stack		
03	TIME OF SAMPLING	Hrs	11:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	43		
06	SHAPE OF STACK		Round	1	
07	FLUE GAS TEMPERATURE	Deg K	485	1	
08	DIFFERENTIAL PRESSURE	mm WG	6.3		
09	VELOCITY	M/Sec	11.30		
10	DIAMETER OF STACK	М	2.1		
11	STACK AREA	M <sup>2</sup>	3.4619	1	
12	GAS VOLUME	NM³/Hr	86560.49		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	6.53	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM³	Nil		IS 11255 (Part 2):1985
		kg/day	Nil		<b></b>
15	NOx	ppm	2.0	<100	IS 11255 (Part 7):2005

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MUN OUT OUT OUT

MANISHA NARGOLKAR (Lab Incharge)



Scribber Stack.

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

		TIOTE (BITT) (BEIT 11.0.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14581
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	14/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	( <del>true</del> )	CRM 05 - CAL Cleaning Section Scrubber Stack

#### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	14/02/2023		
02	TEST LOCATION		CRM 05 - CAL		
			Cleaning Section		
			Scrubber Stack		
03	TIME OF SAMPLING	Hrs	11:45		
13	ALKALI MIST	mg/NM³	0.62	<35	Lab Based SOP

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR
(Lab Incharge)



CRM- ARP Plant Stack
Feb 23

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"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14582
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	13/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF	SAMPLING DONE	SAMPLE CONTAINER &	NATURE	LOCATION
SAMPLE	ВҮ	QUANTITY		
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 08- Acid Regeneration
				Plant Stack

#### RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 08- Acid		
			Regeneration Plant Stack		
03	TIME OF SAMPLING	Hrs	15:30		
13	ACID MIST AS HCL	mg/Nm³	0.62	<35	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

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MANISHA NARGOLKAR (Lab Incharge)



Scode Breaker-I.

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14583
	REPORT DATE	20/02/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Ltd.	SAMPLING DATE	13/02/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	15/02/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	15/02/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	3 <del>00</del> 5	CRM 09- Scale Breaker I (Pickling Line Entry) Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 09- Scale		
			Breaker I (Pickling		
			Line Entry) Stack		
03	TIME OF SAMPLING	Hrs	16:45		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	13.0		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	306		
- 08	DIFFERENTIAL PRESSURE	mm WG	6.2		
09	VELOCITY	M/Sec			
			8.91		
10	DIAMETER OF STACK	M	1.3		
11	STACK AREA	M <sup>2</sup>	1.3267		
12	GAS VOLUME	NM³/Hr	41428.92		
13	PARTICULATE MATTER	mg/NM³	7.53	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM³	Nil		IS 11255 (Part2):1985
15		kg/day	Nil		-
15	NOx	ppm	2.0	100	Flue Gas Analyser- based on manufacturer's Manual

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

\*\*\*\*End of Test Report\*\*\*\*

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



Scale Breaker II Stack- Feb 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202, 25460203. • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

			110/2/10/10/10/2/17/10:2:1
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308  LAB REFERENCE NO. HS/LAB/AA/666 SAMPLING DATE 13/02/2023 SAMPLE RECEIPT DATE 15/02/2023 START DATE OF ANALYSIS 15/02/2023 END DATE OF ANALYSIS 18/02/2023	CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/14584
Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308  SAMPLING DATE 13/02/2023  SAMPLE RECEIPT DATE 15/02/2023  START DATE OF ANALYSIS 15/02/2023  END DATE OF ANALYSIS 18/02/2023		REPORT DATE	20/02/2023
Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308  SAMPLE RECEIPT DATE 15/02/2023  START DATE OF ANALYSIS 15/02/2023  END DATE OF ANALYSIS 18/02/2023	M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/666
Industrial Area, Tal - Mangaon, Dist - START DATE OF ANALYSIS 15/02/2023 Raigad, Maharashtra 402308 END DATE OF ANALYSIS 18/02/2023	Ltd.	SAMPLING DATE	13/02/2023
Raigad, Maharashtra 402308 END DATE OF ANALYSIS 18/02/2023	Plot No. C-1, Vile – Bhagad MIDC		15/02/2023
2113 DATE OF ARABIOIS 10/02/2020		START DATE OF ANALYSIS	15/02/2023
SAMPLING REF. / SOP NO. HS/NABL/Air/15	Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/02/2023
		SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	) <u>22</u> 2;	CRM 10- Scale Breaker II (Pickling Line Entry) Stack

#### **RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/02/2023		
02	TEST LOCATION		CRM 10- Scale		
	₹.		Breaker II (Pickling		
			Line Entry) Stack		
03	TIME OF SAMPLING	Hrs	17:15		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	13.0		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	313		
08	DIFFERENTIAL PRESSURE	mm WG	6.2		
09	VELOCITY	M/Sec	9.01		
10	DIAMETER OF STACK	M	1.3		
11	STACK AREA	M <sup>2</sup>	1.3267		
12	GAS VOLUME	NM³/Hr	40963.03		
13	PARTICULATE MATTER	mg/NM³	6.41	<150	IS 11255 (Part 1):1985

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

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MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16356
M/s Posco- Maharashtra Steel Pvt.	REPORT DATE	28/03/2023
	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	21/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	START DATE OF ANALYSIS	23/03/2023
	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 11- Coating Shop Scrubber Stack (Roll Coating Shop)

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	21/03/2023		
02	TEST LOCATION		CRM 11- Coating Shop Scrubber Stack (Roll Coating Shop)		
03	TIME OF SAMPLING	Hrs	11:00		
04	ACID MIST AS HCL	mg/Nm <sup>3</sup>	0.23	<30	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



CRM- Short Blacking M/c stock

Air (Source Emission) - Mar 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16357
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	21/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	188	CRM 12- Shot Blasting Machine Stack (Roll Coating Shop)

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	21/03/2023		
02	TEST LOCATION		CRM 12- Shot Blasting Machine Stack (Roll Coating Shop)		
03	TIME OF SAMPLING	Hrs	11:30		
04	ACID MIST AS HCL	mg/Nm³	0.19	<30	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16350
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL 01- Annealing Furnace (Preheating Section)
		DECLU TO	-	100

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	20/03/2023		
02	TEST LOCATION		ACL 01- Annealing Furnace (Preheating Section)	,	
03	TIME OF SAMPLING	Hrs	15:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	20.29		
06	SHAPE OF STACK		Rectangular		
07	FLUE GAS TEMPERATURE	Deg K	525		
08	DIFFERENTIAL PRESSURE	mm WG	3.0		
09	VELOCITY	M/Sec	8.12		
10	DIAMETER OF STACK	М	1.0×0.65		
11	STACK AREA	M <sup>2</sup>	0.65		
12	GAS VOLUME	NM³/Hr	10779.69		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	12.30		IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	5.89		IS 11255 (Part2):1985
14	302	kg/day	1.52		
15	NOx	ppm	3.2	<150	IS 11255 (Part 7):2005

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

\*\*\*\*End of Test Report\*\*\*\*

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

men augolikae



Air (source Emission)
20th Mar 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16351
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	:: <del>::::</del> :	ACL 02- Annealing Furnace (Radiant Tube Heating Section)

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	20/03/2023		
02	TEST LOCATION		ACL 02- Annealing Furnace (Radiant Tube Heating Section)		
03	TIME OF SAMPLING	Hrs	15:30		
04	MATERIAL OF STACK		Steel	]	
05	STACK HEIGHT	Mtr	20.0		
06	SHAPE OF STACK		Rectangular		
07	FLUE GAS TEMPERATURE	Deg K	498		
08	DIFFERENTIAL PRESSURE	mm WG	4.3		
09	VELOCITY	M/Sec	9.46		
10	DIAMETER OF STACK	M	1.0×0.65		
11	STACK AREA	M <sup>2</sup>	0.65		45
12	GAS VOLUME	NM³/Hr	13250.89		
13	PARTICULATE MATTER	mg/NM³	8.43		IS 11255 (Part 1):1985
14	60.	mg/NM <sup>3</sup>	NIL		IS 11255 (Part2):1985
14	SO <sub>2</sub>	kg/day	NIL		
15	NOx	ppm	2	<150	IS 11255 (Part 7):2005

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

mraigara

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16352
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
-	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL 04- Drying Furnace Drying Section Exhaust Gas Fan
	1	DECI II TO	4	

		K	SULIS		
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	20/03/2023		
02	TEST LOCATION		ACL 04- Drying Furnace Drying Section Exhaust Gas Fan		
03	TIME OF SAMPLING	Hrs	16:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	20.65		
06	SHAPE OF STACK		Rectangular		
07	FLUE GAS TEMPERATURE	Deg K	575		
08	DIFFERENTIAL PRESSURE	mm WG	2.3		
09	VELOCITY	M/Sec	7.44		
10	DIAMETER OF STACK	M	1.0×0.60	]	
11	STACK AREA	M <sup>2</sup>	0.60		
12	GAS VOLUME	NM³/Hr	8325.17		
13	PARTICULATE MATTER	mg/NM³	10.34		IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	NIL		IS 11255 (Part2):1985
14	302	kg/day	NIL		
15	NOx	ppm	2.0	<150	IS 11255 (Part 7):2005

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

menargourai

MANISHA NARGOLKAR (Lab Incharge)



Ael-Air (Source Emission)
20th Mar 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16353
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL 05- Curing Furnace Drying Section Exhaust Gas Fan

RESULTS LIMITS TEST METHOD SR. **DESCRIPTION** UNIT **RESULT** REFERENCE NO. DATE OF SAMPLING DD/MM/YY 20/03/2023 01 ACL 05- Curing **Furnace Drying** 02 **TEST LOCATION** Section Exhaust Gas Fan TIME OF SAMPLING Hrs 16:30 03 04 MATERIAL OF STACK Steel 20.29 05 STACK HEIGHT Mtr SHAPE OF STACK 06 Rectangular **FLUE GAS TEMPERATURE** Deg K 498 07 4.2 08 DIFFERENTIAL PRESSURE mm WG 9.35 09 VELOCITY M/Sec DIAMETER OF STACK 0.74×0.60 10 M 11 STACK AREA  $M^2$ 0.444 **GAS VOLUME** NM<sup>3</sup>/Hr 8945.51 12 IS 11255 (Part 1):1985 13 PARTICULATE MATTER mg/NM<sup>3</sup> 5.34 IS 11255 (Part2):1985 mg/NM<sup>3</sup> NIL 14 SO<sub>2</sub> NIL kg/day

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

ppm

For HORIZON SERVICES

<150

IS 11255 (Part 7):2005

5.9

MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*

15

NOx



ARC - Cleaning See Hon (Scrubber)

AN (Source Eurission)-Mar 23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16354
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL-S08- Cleaning Section Fume Exhaust Fan

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	20/03/2023		
02	TEST LOCATION		ACL-S08- Cleaning Section Fume Exhaust Fan		
03	TIME OF SAMPLING	Hrs	17:00		
04	ALKALI MIST	mg/NM³	1.2	<30	Lab Based SOP

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

rangukar



ARL-Coater Frame Exhaust fan. Ar (source Emission) Mar/23

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/16355
	REPORT DATE	28/03/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/755
Ltd.	SAMPLING DATE	20/03/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	23/03/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	23/03/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	27/03/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL 09- Coater Fume Exhaust Fan

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	20/03/2023		
02	TEST LOCATION		ACL 09- Coater Fume Exhaust Fan		
03	TIME OF SAMPLING	Hrs	17:30		
13	ALKALI MIST	mg/NM³	0.63	N.S.	Lab Based SOP

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

#### **REMARKS/OBSERVATIONS:**

N.S. - Not Specified

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

menaugorkai



Air (source Emission) stack.
13th April 23. (Cat-plant)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/00940
	REPORT DATE	19/04/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/030
Ltd.	SAMPLING DATE	13/04/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	14/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	14/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/04/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL- Furnace Stack
	Jii	RESULTS		

		131-	JULIO		
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/04/2023		
02	TEST LOCATION		CGL- Furnace Stack		
03	TIME OF SAMPLING	Hrs	10:39		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	42		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	482		
08	DIFFERENTIAL PRESSURE	mm WG	2.2	]	
09	VELOCITY	M/Sec	6.66		
10	DIAMETER OF STACK	M	1.7		
11	STACK AREA	M <sup>2</sup>	2.2687		
12	GAS VOLUME	NM <sup>3</sup> /Hr	33625.40		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	8.46	<150	IS 11255 (Part 1):1985
4.4	80	mg/NM <sup>3</sup>	Nil		IS 11255 (Part2):1985
14	SO <sub>2</sub>	kg/day	Nil		

1.0

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

ppm

For HORIZON SERVICES

IS 11255 (Part 7):2005

<100

MANISHA NARGOLKAR (Lab Incharge)

\*\*\*\*End of Test Report\*\*\*\*

NOx

15



Atr (Source Emission) cleaning stack

13th April 2023 (CGL-Plant)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### TEST CERTIFICATE

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/00941
	REPORT DATE	19/04/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/030
Ltd.	SAMPLING DATE	13/04/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	14/04/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	14/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/04/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL No. 1 Cleaning Stack

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/04/2023		
02	TEST LOCATION		CGL No. 1 Cleaning Stack		
03	TIME OF SAMPLING	Hrs	11:25		
04	ALKALI MIST	mg/NM³	1.38	<35	Lab Based SOP

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR
(Lab Incharge)



Air (source Emission) stack 13th April 23 (CGL-plant)

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024) Lab NABL Accredited - Testing - Chemical Field (TC - 7064)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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#### TEST CERTIFICATE

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/00942
	REPORT DATE	19/04/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/030
Ltd.	SAMPLING DATE	13/04/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	14/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	14/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	18/04/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CGL Post Treatment Stack

**RESULTS** 

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/04/2023		
02	TEST LOCATION		CGL Post Treatment Stack		
03	TIME OF SAMPLING	Hrs	12:30		
04	ACID MIST AS HCL	mg/Nm³	0.75	<35	USEPA METHOD 08

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01634
	REPORT DATE	04/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/068
Ltd.	SAMPLING DATE	27/04/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	28/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	28/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	03/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	:22	CGL- D.G. Set 2000 KVA

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SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	27/04/2023		
02	TEST LOCATION		CGL- D.G. Set 2000 KVA		
03	TIME OF SAMPLING	Hrs	12:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	30		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	411		
08	DIFFERENTIAL PRESSURE	mm WG	3.2		
09	VELOCITY	M/Sec	7.42		
10	DIAMETER OF STACK	M	0.7		
11	STACK AREA	M <sup>2</sup>	0.3847		
12	GAS VOLUME	NM³/Hr	7446.15		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	49.45	<150	IS 11255 (Part 1):1985
4.4	02	mg/NM <sup>3</sup>	42.10		IS 11255 (Part2):1985
14	SO <sub>2</sub>	kg/day	7.52	<144	<b></b>
15	NOx	ppm	28	<100	Flue Gas Analyser-
16	СО	ppm	30		based on
17	NMHC	ppm	22	_	manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

\*\*\*\*End of Test Report\*\*\*\*

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### TEST CERTIFICATE

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

		110/2/10/10/10/2/17
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01635
	REPORT DATE	04/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/068
Ltd.	SAMPLING DATE	27/04/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	28/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	28/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	03/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	***	CRM- D.G. Set 2000 KVA

RESULTS
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SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	27/04/2023		
02	TEST LOCATION		CRM- D.G. Set 2000 KVA		
03	TIME OF SAMPLING	Hrs	15:30		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	30		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	415		
08	DIFFERENTIAL PRESSURE	mm WG	3.0		
09	VELOCITY	M/Sec	7.22		
10	DIAMETER OF STACK	M	0.7		
11	STACK AREA	M <sup>2</sup>	0.3847		
12	GAS VOLUME	NM³/Hr	7174.88		
13	PARTICULATE MATTER	mg/NM³	55.31	<150	IS 11255 (Part 1):1985
4.4	02	mg/NM <sup>3</sup>	39.78		IS 11255 (Part2):1985
14	SO <sub>2</sub>	kg/day	6.85	<96	
15	NOx	ppm	25	<100	Flue Gas Analyser-
16	СО	ppm	32		based on
17	NMHC	ppm	26		manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023



For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004. • Mobile: 7249867318, 8378018710 • Tel.: 020 - 25460202 • Email: kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

#### **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/01636
	REPORT DATE	04/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/068
Ltd.	SAMPLING DATE	27/04/2023
Plot No. C-1, Vile - Bhagad MIDC	SAMPLE RECEIPT DATE	28/04/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	28/04/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	03/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		ACL- D.G. Set 600 KVA
		DECI II TO		

RESULIS .					
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	27/04/2023		
02	TEST LOCATION		ACL- D.G. Set 600 KVA		
03	TIME OF SAMPLING	Hrs	16:20		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	11		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	378		1
08	DIFFERENTIAL PRESSURE	mm WG	2.0		1
09	VELOCITY	M/Sec	5.62		
10	DIAMETER OF STACK	M	0.1524		
11	STACK AREA	M <sup>2</sup>	0.0182		
12	GAS VOLUME	NM³/Hr	290.95		
13	PARTICULATE MATTER	mg/NM³	39.46	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM³	28.23		IS 11255 (Part2):1985
14	302	kg/day	0.20	<20.16	
15	NOx	ppm	18	_	Flue Gas Analyser-
16	CO	ppm	25		based on
17	NMHC	ppm	26	_	manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 07/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

**MANISHA NARGOLKAR** (Lab Incharge)



CRM- Plant May, 2023

#### Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

		110/12 (8/11) (8/11/11.0.2.1
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02139
	REPORT DATE	18/05/2023
M/s Posco-Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	: <del>**</del>	CRM 01- Boiler Stack (24 MT)

		RE	SULTS		
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 01- Boiler Stack (24 MT)		
03	TIME OF SAMPLING	Hrs	15:10		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	30		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	492		1
80	DIFFERENTIAL PRESSURE	mm WG	6.0		
09	VELOCITY	M/Sec	11.11		1
10	DIAMETER OF STACK	M	1.65		
11	STACK AREA	M <sup>2</sup>	2.1371		
12	GAS VOLUME	NM³/Hr	51777.69		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	7.23	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	Nil	***	IS 11255 (Part2):1985
14	302	kg/day	Nil		
					Flue Gas Analyser-
15	NOx	ppm	2.0	<100	based on
10					manufacturer's Manual

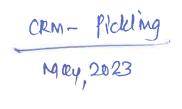
Equipment Used: -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model)

Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)





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Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

		110/12 (8/11/10/11/11/11/11/11/11/11/11/11/11/11/
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02140
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 02- Pickling Exhaust Stack

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 02- Pickling Exhaust Stack		
03	TIME OF SAMPLING	Hrs	15:35		
04	ACID MIST AS HCL	mg/Nm <sup>3</sup>	0.59	<35	USEPA METHOD 08

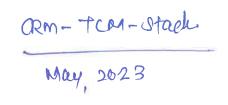
**Equipment Used:** -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

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MANISHA NARGOLKAR (Lab Incharge)





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Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02141
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist –	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	:##:	CRM 03- TCM Stack (CRM Plant)

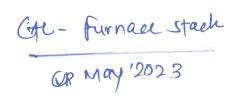
19	RESULTS RESULTS				
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 03 - TCM Stack (CRM Plant)		
03	TIME OF SAMPLING	Hrs	16:25		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	31.5		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	315		
08	DIFFERENTIAL PRESSURE	mm WG	6.1		
09	VELOCITY	M/Sec	8.96		
10	DIAMETER OF STACK	M	2.9		
11	STACK AREA	M <sup>2</sup>	6.6019		
12	GAS VOLUME	NM³/Hr	201552.12		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	6.25	<150	IS 11255 (Part 1):1985

**Equipment Used: -**1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

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MANISHA NARGOLKAR (Lab Incharge)





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Page 1 of 1 HS/I AB/NABI /F/7 8 2 1

		HOILADINADLIFII.O.Z.
CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02142
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	-	CRM 04- CAL Furnace Stack

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 04- CAL Furnace Stack		
03	TIME OF SAMPLING	Hrs	18:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	43		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	482		
08	DIFFERENTIAL PRESSURE	mm WG	6.1		
09	VELOCITY	M/Sec	11.09		
10	DIAMETER OF STACK	M	2.1		
11	STACK AREA	M <sup>2</sup>	3.4619		
12	GAS VOLUME	NM³/Hr	85440.09		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	8.25	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	Nil	22	IS 11255 (Part 2):1985
14	302	kg/day	Nil	700	Tak!
15	NOx	ppm	2.0	<100	IS 11255 (Part 7):2005

**Equipment Used:** -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

Menagalital

MANISHA NARGOLKAR (Lab Incharge)



## Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider,

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## TEST CERTIFICATE

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02143
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	Y <del>es</del> s	CRM 05 - CAL Cleaning Section Scrubber Stack

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 05 - CAL Cleaning Section Scrubber Stack		
03	TIME OF SAMPLING	Hrs	17:30		
13	ALKALI MIST	mg/NM <sup>3</sup>	0.55	<35	Lab Based SOP

**Equipment Used:** -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)



ARP-CRM plant
May, 2023

## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02144
OLILIA O MAINE & ADDINESS	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	₩-	CRM 08- Acid Regeneration Plant Stack

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SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 08- Acid Regeneration Plant Stack		
03	TIME OF SAMPLING	Hrs	17:00		
13	ACID MIST AS HCL	mg/Nm <sup>3</sup>	0.51	<35	USEPA METHOD 08

**Equipment Used: -1)** Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

MANISHA NARGOLKAR (Lab Incharge)

Menayolkac

Orm-Scenle Breaker I

May, 2023



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Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02145
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist -	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 09- Scale Breaker I (Pickling Line Entry) Stack

		RES	ULTS		
SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 09- Scale Breaker I (Pickling Line Entry) Stack		
03	TIME OF SAMPLING	Hrs	14:45		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	13.0		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	304		
08	DIFFERENTIAL PRESSURE	mm WG	6.0		
09	VELOCITY	M/Sec	8.73		
10	DIAMETER OF STACK	M	1.3		
11	STACK AREA	M <sup>2</sup>	1.3267		
12	GAS VOLUME	NM <sup>3</sup> /Hr	40889.07		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	9.02	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	Nil	-	IS 11255 (Part2):1985
15		kg/day	Nil		
15	NOx	ppm	2.0	100	Flue Gas Analyser- based on manufacturer's Manual

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model) Date of Calibration: -07/08/2022 Next Calibration due: - 06/08/2023

For HORIZON SERVICES

**MANISHA NARGOLKAR** (Lab Incharge)



CRM-Accorde Breaker 11
May, 2023

## Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

Lab NABL Accredited - Testing - Chemical Field & Proficiency Testing Provider.

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## **TEST CERTIFICATE**

Page 1 of 1 HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02146
	REPORT DATE	18/05/2023
M/s Posco- Maharashtra Steel Pvt.	LAB REFERENCE NO.	HS/LAB/AA/096
Ltd.	SAMPLING DATE	11/05/2023
Plot No. C-1, Vile – Bhagad MIDC	SAMPLE RECEIPT DATE	12/05/2023
Industrial Area, Tal - Mangaon, Dist	START DATE OF ANALYSIS	12/05/2023
Raigad, Maharashtra 402308	END DATE OF ANALYSIS	17/05/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONT AINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags		CRM 10- Scale Breaker II (Pickling Line Entry) Stack

RESUL	TS
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SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	11/05/2023		
02	TEST LOCATION		CRM 10- Scale Breaker II (Pickling Line Entry) Stack		
03	TIME OF SAMPLING	Hrs	16:00		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	13.0		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	310		
08	DIFFERENTIAL PRESSURE	mm WG	6.0		
09	VELOCITY	M/Sec	8.82		
10	DIAMETER OF STACK	M	1.3		
11	STACK AREA	M <sup>2</sup>	1.3267		
12	GAS VOLUME	NM <sup>3</sup> /Hr	40491.44		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	8.46	<150	IS 11255 (Part 1):1985

Equipment Used: -1) Stack Monitoring Kit, Sr.No. 08/2018 (ETCL model)

Date of Calibration: -07/08/2022 Next Calibration due: -06/08/2023

For HORIZON SERVICES

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**MANISHA NARGOLKAR** (Lab Incharge)

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Plot No. C 1/1 & C 1 Part 1, MIDC Vill Bhagad, Tal-

Mangaon, Dist-Ralgad

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OSCO Ack copy of Half yearly Compliance report of EC. Granton

MAHABASHTRA (Period Jun & Devize) Annexure - XII

MAHARASHTRA PMSPL/EHS-MPCB/EC Com-02/2022

Date: 30<sup>th</sup> Nov, 2022

To,

The Sub Regional Officer,

Maharashtra Pollution Control Board, Samaik Suvidha Kendra Building, MIDC-Mahad, At & Post- Mahad, Dist-Raigad, Pin code- 402309

Subject: Submission of Half Yearly (Period from Jun'22 to Nov'22) Compliance report of Environmental Clearance conditions in Hard copy under compliance of the EIA Notification 2006, Rule no 10(ii).

Ref No: SEAC-2010/CR.639/TC.2 Dated 8<sup>th</sup> June 2011 (CGL Plant), Ref No: SEAC-2011/CR-969/TC2 Dated 26<sup>th</sup> February 2014 (CRM Plant) & Ref No: SEAC-2012/CR-7/TC-2 Dated 5<sup>th</sup> March 2015 (ACL Plant) by Environment dept. Maharashtra

Respected Sir,

POSCO Maharashtra Steel Pvt. Ltd has been accorded Environmental Clearance for production of Galvanized Coil dated 8<sup>th</sup> June 2011, Cold Rolling Mill project dated 26<sup>th</sup> February 2014 & for ACL plant (Electrical Steel) dated 5<sup>th</sup> March 2015.

For Compliance under Environmental Clearance conditions, here we are submitting <u>Half Yearly EC-Compliance</u> report of <u>Period from Jun'22 to Nov'22</u> regarding conditions given under <u>Environmental Clearance</u> for <u>CGL</u>, <u>CRM</u> & <u>ACL</u> plant by SEAC, Environment Department Maharashtra.

This is for your information & consideration under the compliance of Environmental Clearance conditions & under the EIA Notification 2006, rule no 10 (ii).

Thanking You Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut

Sr. Manager – EHS

## **Enclosures:-**

- Annexure- I: Analysis reports (Jun'22 to Nov'22), <u>AAQM</u> as per NAQM notification 2009 & Work zone Airn
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- 3. Annexure –III: Analysis reports of Ambient & Work zone Noise Level Monitoring as per The LP Act 1986.
- 4. Annexure- IV: Ack. copies of Hz Waste Annual Returns in <u>Form IV</u> for 2022 (FY:2021-22) & Annexure- IVB: Ack. copies from MPCB for <u>Intimation of Hz Waste Disposal</u> in Form-10.
- 5. Annexure- V: MWML (CHWTSDF) Membership Certificate (Valid till 31.03.2023) for disposal of Hz. waste.
- 6. Annexure-VI ETP treated water analysis report by MPCB JVS report, Internal & External (MoEF) Lab.
- 7. Annexure- VII: Copies of Public Notice Press release of Advertisement regarding grant of EC.
- 8. Annexure- VIII: Stack Emission Monitoring Reports as per NAQQM 2009 (Jun'22 to Nov'22).
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- 10. Annexure- X: Ack. Copies of submitted Last Half Yearly Compliance report on dtd. 01.06.2022.
- 11. Annexure- XI: Environmental Statement Form-V (FY 2021-22) of Posco-MH CGL, CRM & ACL Lines respt.
- 12. Annexure- XII: BSI Certification of Environmental Management System (EMS) ISO 14001:2015.
- CC The RO MPCB- Raigad Bhavan , The MS MPCB- Mumbai, The Zonal Officer-CPCB-Gujarat,
  The RO-MoEFCC-West –Central Zone-Nagpur, The Secretary- Environment Dept. (Govt. of MH.)-Mumbai

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2022.
& ACL Lines respt.
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SOSCO ACK. Copy of Hour year,

Report (Jun Nov' 22).

PMSPL/EHS-MoEFCC (WCZ)/EC Com-02/2022

To.

The Regional Officer

Ministry of Environment, Forest and Climate Change Regional office (West- Central Zone) Ground Floor, East Wing,

New Secretariat Building Civil Lines,

Nagpur 440001, (Maharashtra)

Subject: Submission of Half Yearly (<u>Period from Jun'22 to Nov'22</u>) Compliance report of Environmental Clearance conditions in Hard copies under compliance of the EIA Notification 2006,Rule no 10(ii).

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Counter Ho:1.50/11/2022,12:20 To:THE REG OFFIC.METCO DIVIL LIME

From POSCO HM ST FILE BHAGAG

Date: 30<sup>th</sup> Nov, 2022

PIN-440001, Waypur GPD

Amt:70.80(Cas

kulai 1800266

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CC – The SRO MPCB Mahad-Raigad, The RO MPCB-Raigad Bhavan, The MS MPCB-Mumbai,

The Zonal Officer-CPCB-Gujarat, The Secretary- Environment Dept. (Govt. of MH.)-Mumbai POSCO Maharashtra Steel Pvt. Ltd.

Corporate Office: 7th Floor, World Trade Center-1, Kharadi, Pune-411 014, Maharashtra, India. Head Office: Plot No. C-1, Vile-Bhagad, MIDC Industrial Area, Tal: Mangaon,

Head Office: Plot No. C-1, Vile-Bhagad, MIDC Industrial Area, Tal: Miz Dist: Raigad - 402 308, Maharashtra, INDIA ith POSCO

MAHARASHTRA PMSPL/EHSI/EC Com-02/2022

To,

The Secretary Environment Department (Govt. of Maharashtra) 15<sup>th</sup> Floor, New Administrative Building, (In front of M Madam Cama Road, Mumbai – 400 032

PIN:400032. Hantreliya Su Humbai Prom: POSCO WHH S. VILE BHAGAD W1:3580BS sat:59.00(CashlTax:9.00 circul on www.indiabost.gev.inc

Date: 30<sup>th</sup> Nov, 2022 The secretary (Envipept)

Subject: Submission of Half Yearly (Period from Jun'22 to Nov'22) Compliance report of Environmental Clearance conditions in Hard copies under Compliance of the EIA Notification 2006, Rule No 10(ii).

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WAHARASHTRA REPORT (Jun-Mov )22) PMSPL/EHS-CPCB/EC Com-02/2022

To,

## The Zonal Officer

Central Pollution Control Board, Parivesh Bhavan, Opp.VNC Word Office No-10 Subhanpura, Vadodara (Gujrat) 390023



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For POSCO Maharashtra Steel Pvt. Ltd

POSCO

Sr. Manager - EH

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ith POSCO



Annexure-Maharashtra Pollution Control Board Environment Acolit Rupon
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

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**FORM V** 

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

**Unique Application Number** 

MPCB-ENVIRONMENT\_STATEMENT-0000049389

Submitted Date

29-09-2022

PART A

Company Information

Company Name

osco Maharashtra Steel Pvt. Ltd.

Application UAN number

MPCB-CONSENT-0000128520 Dated 28.12.2021

**Address** 

Plot No. C-1 & C-1 Part, Vile Bhagad MIDC, Tal-Mangaon, Dist-Raigad, 402308

Plot no

Plot No: C-1 & C-1 Part,

Capital Investment (In lakhs) 123124.00

Pincode 402308

**Telephone Number** 

8149700913

Region

Taluka

Mangaon

Scale

L.S.I.

Person Name

Kwang Soo Kim

Fax Number

02140661198

**Industry Category** 

Red

Village

Vile Bhagad MIDC

City

Raigad

Designation

Director

**Email** 

atinraut@posco.net

**Industry Type** 

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing /

enamellings/ galvanizing

Consent Issue Date

Last Environmental statement

submitted online

Consent Valid Upto

Consent Number

1.0/CAC/UAN No.0000128520/CR/2204000648

Date of Issue: Date: 12/04/2022

Establishment Year

2011

2022-04-12

Date of last environment statement

submitted

**Actual Quantity** 

Sep 29 2021 12:00:00:000AM

2027-02-28

yes

Industry Category Primary (STC Code) & Secondary (STC Code)

**Product Information** 

**Product Name** Galvanized Coils

H2 (Hydrogen Gas)

204

Consent Quantity 450000

386066

**UOM** Ton/Y

89.87

Ton/Y

N2 (Nitrogen Gas)

89280

20519

\* Ton/Y

By-product	Information
By Product	Name
Zinc Dross	

**Consent Quantity** 2400

Actual Quantity 1555.43 **UOM** Ton/Y

## Part-B (Water & Raw Material Consumption)

Water Consumption for Process	Consent Quantity in m3/day 880.00	Actual Quantity in m 609.00	3/day	
Cooling	750.00	592.00	592.00	
Domestic	253.00	194.00		
All others	0.00	0.00		
Total	1883.00	1395.00		
2) Effluent Generation in CMD / MLD				
Particulars	Consent Quantity	Actual Quantity	UOM	
rade Effluent	962	700	CMD	
Domestic Effluent	160	120	CMD	

process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Galvanizing Coils	1.36	1.32	Ton/Ton
H2 (Hydrogen Gas)	0.0166	0.0144	Ton/Ton
N2 (Nitrogen Gas)	0.576	0.00110	Ton/Ton

3) Raw Material Consumption (Consumption of raw material per unit of product) Name of Raw Materials	During the Previous	During the current Financial	UOM
	financial Year	year	
Natural Gas	28.97	34.82	
H2 (Hydrogen Gas)	2.95	2.59	
N2 (Nitrogen Gas)	70.65	42.52	
Full Hard Coil	0.834	1.00	Ton/Ton
NaOH	0.00067	0.00071	Ton/Ton
Phosphate Solution	0.00118	0.00145	Ton/Ton
Wet Oil	0.00077	0.00108	Ton/Ton
Chrome Free Solution	0.00098	0.00114	Ton/Ton
Chromate	0.00022	0.00033	Ton/Ton
Anti Rust Oil	0.00025	0.000327	Ton/Ton
Zinc	0.02476	0.02406	Ton/Ton

4) Fuel Consumption Fuel Name	Consent quantity	Actual Quantity	UOM
Natural Gas	73102764	13441126	
HSD	2630	550	KL/A

Pollution discharged to environment/unit of output (Parameter as specified in the con	sent issued)
(A) Water	

[A] Water	0	6 4 11 65 11 4	D		
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
рН	7.78	7.78	0	5.5 to 9.0	With in Norms
Suspended Solids	4.89	6.69	0	<100 mg/Lit	With in Norms
BOD 3 Days	8.51	11.64	0	<30 mg/Lit	With in Norms
COD	36.74	50.27	0	<250 mg/Lit	With in Norms
Oil & Grease	0.21	0.30	0	<10 mg/Lit	With in Norms
Total Dissolved Solids	556.10	760.90	0	<2100 mg/Lit	With in Norms
Chlorides	262.81	359.60	0	<600 mg/Lit	With in Norms
Sulphates	28.58	39.119	0	<1000 mg/Lit	With in Norms
Lead (Pb)	0.002	0.0021	0	<0.1 mg/Lit	With in Norms
Cadmium (Cd)	0.007	0.0102	0	<2 mg/Lit	With in Norms
Total Chromium (Cr)	0.002	0.0024	0	<2 mg/Lit	With in Norms
Nickel (Ni)	0.001	0.0018	0	<3 mg/Lit	With in Norms
Zinc (Zn)	0.086	0.1183	0	<5 mg/Lit	With in Norms
Iron (Fe)	0.025	0.0341	0	<3 mg/Lit	With in Norms
Cyanide (CN)	0.000	0.000	0	<0.2 mg/Lit	With in Norms
Hexavalent Chromium as Cr	0.000	0.000	0	<0.1 mg/Lit	With in Norms

[B] Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Stack 1 Boiler Stack Particulate Matter	1.42	9.00	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	<4.8Kg/Hr	With in Norms
NOX	1.98	6.66	0	<100 ppm	With in Norms
Stack 2 Furnace Stack Particulate Matter	5.39	10.80	0	<150 mg/Nm3	With in Norms
SOX	1.95	0.10	0	<4.8Kg/Hr	With in Norms
NOX	8.16	8.70	0	<100 ppm	With in Norms
Stack 3 No.1 Cleaning Section Alkali Mist	0.24	0.88	0	<35 mg/Nm3	With in Norms
Stack 4 Nano Coating Stack Acid Mist	0.92	3,4	0	<35 mg/Nm3	With in Norms
Stack 5 Post Treatment Stack Acid Mist	1.58	5.81	0	<35 mg/Nm3	With in Norms

Stack 6 Port Roll Cleaning   1.08   3.99   0   35 mg/Nm3   With in Norms	0		<b>year</b> 0		<b>year</b> 0	MT/A
Stack 7 DG Set 2000 KVA   0.5   5.50   0   <150 mg/Nm3   With in Norms Particulate Matter	unit	Re-utilized within th		Previous Financial	Total During Current Financ	cial UON
Stack 7 DG Set 2000 KVA	Non Hazardous Waste Ty	rpe Total Di	uring Previous Final	•	During Current Financial yea	
Stack 7 DG Set 2000 KVA			evious rinancial yea		ng Current Financial year	
Stack 7 DG Set 2000 KVA	1) From Process	7-4-15 1 5	and a Pic	an Water Brook	Commanh Eineanial cons	
Stack 7 DG Set 2000 KVA	'art-E					
Stack 7 DG Set 2000 KVA		waste water treatmen	t 358.46	4	÷5U.32	MT/A
Stack 7 DG Set 2000 KVA	Hazardous Waste Type		year	У	/ear	
Stack 7 DG Set 2000 KVA	1.6 Spent catalyst and mole	cular sieves		0.00	0.00	MT/A
Note		ers /liners contaminat	ed with hazardous	1771	3009	Nos./
Stack 7 DG Set 2000 KVA	12.2 Spent acid and alkali			29.99	19.96	MT/A
Stack 7 DG Set 2000 KVA	)ther Hazardous Waste			5.59	9.37	MT/A
Stack 7 DG Set 2000 KVA	6.3 Other residues from pro	cessing of zinc ash or	skimmings	744.28	1555.43	MT/A
Room - Acid Mist  Stack 7 DG Set 2000 KVA	Hazardous Waste Type			Financial year	Financial year	
Room - Acid Mist         Stack 7 DG Set 2000 KVA         0.5         5.50         0         <150 mg/Nm3		1				
Room - Acid Mist         Stack 7 DG Set 2000 KVA       0.5       5.50       0       <150 mg/Nm3	art-D					
Room - Acid Mist         Stack 7 DG Set 2000 KVA       0.5       5.50       0       <150 mg/Nm3	СО	3.48	37.75	0	<150 ppm Wit	h in Norms
Room - Acid Mist  Stack 7 DG Set 2000 KVA	NMHC	4.16	45.70	0	<100 mg/Nm3 Wit	h in Norms
Room - Acid Mist  Stack 7 DG Set 2000 KVA 0.5 5.50 0 <150 mg/Nm3 With in Norms  Particulate Matter	NOX	0.68	4.00	0	<100 ppm Wit	h in Norm:
Room - Acid Mist Stack 7 DG Set 2000 KVA 0.5 5.50 0 <150 mg/Nm3 With in Norms		0.00	0.00	0	<4.8Kg/Hr Wit	h in Norm:
<del>-</del>	Stack 7 DG Set 2000 KVA	0.5	5.50	0	<150 mg/Nm3 Wit	h in Norm
		1.08	3.99	0	<35 mg/Nm3 Wit	h in Norms

## Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Type of Hazardous Waste Generated	Qty of Hazardous Waste	ИОМ	Concentration of Hazardous Waste
5.1 Used or spent oil	18.63	MT/A	Oily, Organic Liquid Form
6.3 Other residues from processing of zinc ash or skimmings	1555.53	MT/A	Zinc Oxide, Solid Form
12.2 Spent acid and alkali	19.96	MT/A	NaOH ppt, Other Chemical ppt
5.1 Used or spent oil	18.63	MT/A	Oily, Organic Liquid Form
Other Hazardous Waste	9.37	MT/A	CrO3
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3009	Nos./Y	HDPE,MS Drum, Plastic Carboys etc.
35.3 Chemical sludge from waste water treatment	450.32	MT/A	Chemical ppt, Hydroxide, Sulphite, Phosphate etc.
1.6 Spent catalyst and molecular sieves	0.00	Kg/Annum	Oily, Organic Liquid Form
2) Solid Waste Type of Solid Waste Generated Metal Scrap	 <b>of Solid Waste</b> 38.47	<b>UOM</b> MT/A	Concentration of Solid Waste Solid Metal Scrap

## art-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
New Tree Plantations Outside Plant (Nearby Villages) Plantations: 520 Nos. & Within Plant Premises: 824Nos. Total Tree Plantations:1344	0.00	0.00	0.00	0.00	7.7	0.00

## Part-H

[A] Investment made during the period of Environmental Statement		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Development & Maintenance of Green Belt Area (Cost towards Manpower & Equipment Maintenance)	Increase in number of trees, Conservation of existing and new planted trees will improve biodiversity of plant area	45

[B] Investment Proposed for next Year  Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Landscape & Green Belt Area Maintenance including New Tree Plantation (Cost towards Manpower & Equipment Maintenance)	Soil Conservation and water reuse for garden (Reduction of Natural Resources)	45

## Part-I

## **Particulars**

Green Belt Development & Maintenance. Tree Plantation activity done (Inside green area-2400 Nos.), Provided sprinkler & drip irrigation system to green coverage area, Certification of EMS- ISO 14001:2015 with Validity 23rd Feb, 2024 & OHSAS - ISO 45001:2018 with Validity 23rd Feb, 2024, Celebrated WED on 5th Jun.

## Name & Designation

Kwang Soo Kim (Director)

## **UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000049389

## Submitted On:

29-09-2022



Maharashtra Pollution Control Board

Environment Audit Repentation Fem. (fem. V) - FY 2021-2022

Annepure - X

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

**Unique Application Number** 

MPCB-ENVIRONMENT\_STATEMENT-0000048851

Submitted Date

29-09-2022

PART A

Company Information

Company Name

Application UAN number

OSCO MAHARASHTRA STEEL PVT.LTD. 0000047766-18

Address

Plot No. C-1 & C-1 Part, Vile Bhagad MIDC, Tal-Mangaon, Dist-Raigad, 402308

Plot no

Taluka

C-1 & C-1 Part

Mangaon

Capital Investment (In lakhs)

Scale

38124300000

L.S.I.

**Pincode** 402308

Person Name

Telephone Number

Kwang Soo Kim

8149700913

Fax Number

02140661198

Region

ves

**Industry Category** 

SRO-Mahad

Red

Village

Vile Bhagad MIDC

City

Raigad

Designation

Director

Email

atinraut@posco.net

**Industry Type** 

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing /

enamellings/ galvanizing Consent Issue Date

Last Environmental statement submitted online

Consent Number

2018-06-01

1.0/BO/CAC-Cell/Auto-renewal/UAN No.0000047766-18/CAC-1806000029,

Date-01/06/2018

**Consent Valid Upto** 

Establishment Year

Date of last environment statement submitted

Sep 29 2021 12:00:00:000AM

2023-06-30

2015

**Industry Category Primary (STC** Code) & Secondary (STC Code)

**Product Information** 

**Product Name** 

**Consent Quantity** 

**Actual Quantity** 

**UOM** 

Cold Roll Coils

1000000

744148

Ton/Y

**Full Hard Coils** 

800000

36448

Ton/Y

Ву	-product	Information
Ву	Product	Name
NΙΛ		

## **Consent Quantity**

**Actual Quantity** 

**UOM**Ton/Y

NA

0

## Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day Water Consumption for Process	Consent Quantity in m3/day 2750.00	Actual Quantity in m3/day 1291.00
Cooling	750.00	497.00
Domestic	500.00	199.00
All others	0.00	0.00
Total	4000.00	1987.00
		Tr.

2) Effluent Generation in CMD / MLD Particulars	Consent Quantity	Actual Quantity	иом
rade Effluent	2000	482	CMD
Domestic Effluent	300	140	CMD

2) Product Wise Process Water Consumption (cubic meter of			
process water per unit of product)			
Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Cold Roll Coils	4.32	0.49	Ton/Ton
Full Hard Coils	0.58	9.95	Ton/Ton

Raw Material Consumption (Consumption of raw material per unit of product)			
Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Natural Gas-CAL	27.08	28.90	
Natural Gas-PCM	5.01	4.59	
H2 (Hydrogen Gas)	1.47	1.45	
N2 (Nitogen Gas)	43.33	43.48	
Full Hard Coil-CAL	0.76	1.02	Ton/Ton
HR Coil-PCM	0.95	1.03	Ton/Ton
NaOH Cleaner A	0.00038	0.00054	Ton/Ton
Wet Oil	0.00021	0.00029	Ton/Ton
Antirust Oil-BW90EG	0.00034	0.00041	Ton/Ton
Rolling Oil	0.00031	0.00024	Ton/Ton
HCL	0.00053	0.00066	Ton/Ton
Pickling Inhibitor	0.00001	0.00001	Ton/Ton

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Natural Gas	25024668	24071357	
HSD	1753	600	KL/A

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with		
	Quantity	Concentration	reasons %variation	Standard	Reason
рH	7.95	7.950	0	5.5 to 9.0	With in Norms
Suspended Solids	0.72	10.023	0	<100 mg/Lit	With in Norms
BOD 3 Days	0.84	11.69	0	<30 mg/Lit	With in Norms
COD	3.17	44.20	0	<250 mg/Lit	With in Norms
Oil & Grease	0.02	0.336	0	<10 mg/Lit	With in Norms
Total Dissolved Solids	54.52	760.00	0	<2100 mg/Lit	With in Norms
Chlorides	23.93	333.60	0	<600 mg/Lit	With in Norms
Gulphates	11.654	162.451	0	<1000 mg/Lit	With in Norms
Lead (Pb)	0.00	0.002	0	<0.1 mg/Lit	With in Norms
Cadmium (Cd)	0.001	0.012	0	<2 mg/Lit	With in Norms
Total Chromium (Cr)	0.000	0.002	0	<2 mg/Lit	With in Norms
Nickel (Ni)	0.000	0.003	0	<3 mg/Lit	With in Norms
Zinc (Zn)	0.007	0.098	0	<5 mg/Lit	With in Norms
Iron (Fe)	0.070	0.971	0	<3 mg/Lit	With in Norms
Cyanide (CN)	0.000	0.000	0	<0.2 mg/Lit	With in Norms
Hexavalent Chromium as Cr	0.000	0.000	0	<0.1 mg/Lit	With in Norms

[B] Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Stack 1 (Boiler) Particulate Matter	10.35	14.14	0	<150 mg/Nm3	With in Norms
NOX	8.34	11.40	0	<100 ppm	With in Norms
SOX	0.70	0.95	0	96 Kg/Day	With in Norms
Stack 2 (Pickling Exhaust) Particulate Matter	0.00	0.00	0	<150 mg/Nm3	With in Norms
Acid Mist	0.47	2.38	0	<35 mg/Nm3	With in Norms
Stack 3 (TCM) Particulate Matter	62.10	19.14	0	<150 mg/Nm3	With in Norms
Stack 4 (CAL Furnace Stack) Particulate Matter	13.32	12.22	0	<150 mg/Nm3	With in Norms
NOX	9.81	9.000	0	<100 ppm	With in Norms
SOX	0.32	0.30	0	96 Kg/Day	With in Norms
Stack 5 (Cleaning Section-CAL) Alkali Mist	0.04	0.21	0	<35 mg/Nm3	With in Norms

Stack 6 (SPM-CAL) Particulate Matter	6.41	11.0	0	<150 mg/Nm3	With in Norms
Stack 7 (DG Set 2000 KVA) Particulate Matter	0.39	8.0	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	96 Kg/Day	With in Norms
NOX	0,48	10.00	0	<100 ppm	With in Norms
NMHC	1.93	40.00	0	<100 mg/Nm3	With in Norms
CO	0.77	16.00	0	<50 ppm	With in Norms
Stack 8 (ARP) Particulate Matter	0.00	0.00	0	<150 mg/Nm3	With in Norms
Acid Mist	1.36	3.45	0	<35 mg/Nm3	With in Norms
Stack 9 (Scale Breaker I) Particulate Matter	14.28	13.52	0	<150 mg/Nm3	With in Norms
Stack 10 (Scale Breaker II) Particulate Matter	13.01	11.37	0	<150 mg/Nm3	With in Norms
Stack 11 (Roll Coating Shop) Acid Mist	5.80	7.19	0	<35 mg/Nm3	With in Norms
Stack 12 (Shot Blasting Machine) Particulate Matter	0.00	0.00	0	<150 mg/Nm3	With in Norms

## Part-D

HAZARDOUS WASTES			
1) From Process			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	25.81	25.75	MT/A
5.2 Wastes or residues containing oil	154.76	187.31	MT/A
5.2 Wastes or residues containing oil	70.71	108.81	MT/A
12.2 Spent acid and alkali	12.49	39.38	MT/A
13.1 Spent pickling liquor	37102	43726	KL/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2240	4893	Nos./Y

2) From Pollution Control Facilities Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	иом
35.3 Chemical sludge from waste water treatment	659.75	699.46	MT/A

## Part-E

SOLID WASTES			
1) From Process	Total During Previous Financial year	Total During Current Financial year	иом
Metal Scrap	36588.52	75863.49	MT/A
Metal Strap	30366.32	73003.49	MILIA
Iron Oxide	5590.21	6754.56	MT/A
Scale Breaker Scale	32.89	33.20	MT/A

0

3) Quantity	Recycled	or	Re-utilized	within	the	unit

Waste Type

Total During Previous Financial year Total During Current Financial year иом

13.1 Spent pickling liquor

37102

43726

KL/A

## Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1)	Hazardous	Waste	

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	25.75	MT/A	Oily, Organic Liquid Form
5.2 Wastes or residues containing oil	187.31	MT/A	Oily, Solid Residue
5.2 Wastes or residues containing oil	108.81	MT/A	Iron Content
12.2 Spent acid and alkali	39.28	MT/A	NaOH ppt, Other Chemical ppt.
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4893	Nos./Y	HDPE,MS Drum, Plastic Carboys etc
35.3 Chemical sludge from waste water treatment	699.46	MT/A	Chemical ppt, Hydroxide, Sulphite, Phosphate etc
13.1 Spent pickling liquor	43726	KL/A	FeCL2, FeCL3, HCL

### 2) Solid Waste

Type of Solid Waste Generated  Metal Scrap	<b>Qty of Solid Waste</b> 75863.49	<b>UOM</b> MT/A	Concentration of Solid Waste Solid Metal Scrap
Iron Oxide	6754.56	MT/A	Iron Oxide Powder (By-Product-ARP Plant)
Iron Scale (PL-Scale Exhaust System)	33.20	MT/A	Iron Scale Powder - HR Coil Rust

## Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Maintenance of Green Belt & Landscape Area	0	0	0	0	45	0

### Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.
[A] Investment made during the period of Environmental

Statement

**Detail of measures for Environmental Protection** 

**Environmental Protection Measures** 

Capital Investment (Lacks)

Development & Maintenance of Green Belt Area (Cost towards Manpower & Equipment Maintenance)

Increase in number of trees, Conservation of existing and new planted trees will improve biodiversity of plant area.

45

[B] Investment Proposed for next Year Detail of measures for Environmental Protection

**Environmental Protection Measures** 

Capital Investment (Lacks)

Maintenance of Green Area (Green Belt, Landscape & Garden) Protection of Green Cover

45

## Part-I

Any other particulars for improving the quality of the environment.

## **Particulars**

Green Belt Development & Maintenance. Tree Plantation activity done (Inside green area-2400 Nos.), Provided sprinkler & drip irrigation system to green coverage area, Certification of EMS- ISO 14001:2015 with Validity 23rd Feb, 2024 & OHSAS - ISO 45001:2018 with Validity 23rd Feb, 2024, Celebrated WED on 5th Jun.

### Name & Designation

Kwang Soo Kim (Director)

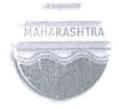
### **UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000048851

### Submitted On:

19-09-2022





## Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Annexure-XIth (Acc)
Environment Audit Report
FY 2021-22.

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000049435

Submitted Date

29-09-2022

PART A

Company Information

Company Name

'osco Maharashtra Steel Pvt, Ltd.

**Address** 

Plot No. C-1 & C-1 Part, Vile Bhagad MIDC, Tal-Mangaon, Dist-Raigad, 402308

Plot no

C-1/1 & C-1( Part-1)

Capital Investment (In lakhs)

76615.00

Pincode 402308

Telephone Number

8149700913

Region SRO-Mahad

Application UAN number MPCB-CONSENT-92026-20

Taluka

Mangaon

Scale

L.S.I.

Person Name

Kwang Soo Kim

Fax Number

02140661198

**Industry Category** 

Red

Village

Vile Bhagad MIDC

City

Raigad

Designation

Director

**Email** 

atinraut@posco.net

Industry Type

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing

and anodizing / enamellings/

galvanizing

Consent Issue Date

2020-06-10

Date of last environment statement submitted

Sep 29 2021 12:00:00:000AM

Consent Valid Upto

submitted online

yes

Establishment Year

Consent Number

1.0/BO/CAC-Cell/UAN

No:-92026-20/Autorenewal/CAC-2006000453

2013

2025-06-30

**Industry Category Primary (STC** Code) & Secondary (STC Code)

Last Environmental statement

**Product Information** 

**Product Name** 

CRNO Coil (Cold Rolled Non-Grain Oriented Electrical Steel)

**Consent Quantity** 

**Actual Quantity** 

**UOM** 

300000

190519

Ton/Y

By-product Information **By Product Name** 

**Consent Quantity** 

**Actual Quantity** 

**UOM** 

## Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day					
-	Consent Quantity in	m3/day		ial Quantity in m3/da	ıy
Process	740.00		163.	00	
Cooling	560.00		36.0	0	
Domestic	20.00		13.0	0	
All others	150.00		0.00		
Total	1470.00		212.	00	
2) Effluent Generation in CMD / MLD					
Particulars		Quantity		ual Quantity	UOM
Trade Effluent	684		212		CMD
Domestic Effluent	16		09		CMD
Name of Products (Production)		During the financial Ye		During the current Financial year	UOM
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical Solution of Consumption of C	ıw	financial Ye	ear	Financial year 0.41	Ton/Ton
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical Si 3) Raw Material Consumption (Consumption of ra material per unit of product) Name of Raw Materials	During the Pre financial Year	financial Ye 0.35	par During year	0.41 the current Financia	Ton/Ton
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical Si 3) Raw Material Consumption (Consumption of ra material per unit of product) Name of Raw Materials	ow  During the Pre	financial Ye 0.35	ear During	0.41 the current Financia	Ton/Tor
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical So 3) Raw Material Consumption (Consumption of ramaterial per unit of product) Name of Raw Materials H2 (Hydrogen Gas)	During the Pre financial Year	financial Ye 0.35	par During year	0.41 the current Financia	Ton/Ton  Ton/Ton
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical States of Consumption of Con	During the Profinancial Year 0.00014	financial Ye 0.35	During year 0.0001	0.41 the current Financia	Ton/Ton  Ton/Ton  Ton/Ton
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical States of Consumption of Con	During the Prefinancial Year 0.00014 0.04563	financial Ye 0.35	During year 0.0001 0.0489	0.41 the current Financia	Ton/Ton
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical States)  3) Raw Material Consumption (Consumption of ramaterial per unit of product)  Name of Raw Materials  H2 (Hydrogen Gas)  N2 (Nitrogen Gas)  Full Hard Coil  NaOH	During the Prefinancial Year 0.00014 0.04563 0.85	financial Ye 0.35	During year 0.0001 0.0489 1.02	the current Financia  6	Ton/Ton  Ton/Tor  Ton/Tor  Ton/Tor
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical States of the Consumption of the Con	During the Prefinancial Year 0.00014 0.04563 0.85 0.00067	financial Ye 0.35	During year 0.0001 0.0489 1.02 0.0008	the current Financia  6	Ton/Ton  Ton/Tor  Ton/Tor  Ton/Tor
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical Single State of Consumption (Consumption of ramaterial per unit of product)  Name of Raw Materials  H2 (Hydrogen Gas)  N2 (Nitrogen Gas)  Full Hard Coil  NaOH  PS-A	During the Prefinancial Year 0.00014 0.04563 0.85 0.00067 0.00103	financial Ye 0.35	During year 0.0001 0.0489 1.02 0.0008 0.0010	Financial year 0.41  the current Financia  0  1  1  1  1  1  1  1  1  1  1  1  1	Ton/Tor  Ton/Tor  Ton/Tor  Ton/Tor  Ton/Tor
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical States of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption (Consumption of Consumption of Consu	During the Prefinancial Year 0.00014 0.04563 0.85 0.00067 0.00103 0.000718 0.00148	financial Ye 0.35	During year 0.0001 0.0489 1.02 0.0008 0.0010 0.0007	Financial year 0.41  the current Financia  0  1  1  1  1  1  1  1  1  1  1  1  1	Ton/Tor Ton/Tor Ton/Tor Ton/Tor Ton/Tor Ton/Tor
CRNO Coil (Cold Rolled Non-Grain Oriented Electrical State of the Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption of Consumption (Consumption Cold Na)  Raw Material Consumption Consumption Fuel Name  Consumption Consumptio	During the Prefinancial Year 0.00014 0.04563 0.85 0.00067 0.00103 0.000718	financial Ye 0.35	During year 0.0001 0.0489 1.02 0.0008 0.0010 0.0007	Financial year 0.41  the current Financia  0  1  1  1  1  1  1  1  1  1  1  1  1	Ton/Ton  Ton/Ton  Ton/Ton  Ton/Ton  Ton/Ton  Ton/Ton

## Part-C

[A] Water
-----------

<b>Pollutants Detail</b>	Quantity of
	Pollutants

discharged (kL/day) PH,Temp,Colour

**Concentration of Pollutants** discharged(Mg/Lit) Except

Percentage of variation from prescribed standards with

0

Quantity

Concentration

reasons %variation

Standard 5.5 to 9.0

Reason With in Norms

7.9 рΗ

7.950

Suspended Solids	2.362	10,023	0	<100 mg/Lit	With in Norms
BOD 3 Days	2.755	11.690	0	<30 mg/Lit	With in Norms
COD	10.419	44.205	0	<250 mg/Lit	With in Norms
Oil & Grease	0.0792	0.336	0	<10 mg/Lit	With in Norms
Total Dissolved Solids	179.079	760.00	0	<2100 mg/Lit	With in Norms
Chlorides	78.625	333.60	0	<600 mg/Lit	With in Norms
Sulphates	38.292	162.451	0	<1000 mg/Lit	With in Norms
Lead (Pb)	0.0005	0.002	0	<0.1 mg/Lit	With in Norms
Cadmium (Cd)	0.0028	0.012	0	<2 mg/Lit	With in Norms
Total Chromium (Cr)	0.0005	0.002	0	<2 mg/Lit	With in Norms
Nickel (Ni)	0.0007	0.003	0	<3 mg/Lit	With in Norms
Zinc (Zn)	0.0231	0.098	0	<5 mg/Lit	With in Norms
Iron (Fe)	0.229	0.971	0	<3 mg/Lit	With in Norms
Cyanide (CN)	0.000	0.000	0	<0.2 mg/Lit	With in Norms
lexavalent Chromium as	0.000	0.000	0	<0.1 mg/Lit	With in Norms
Cr					

[B] Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Stack1 (Annealing Furnace - Preheating section , Total Particulate Matter	2.21	17.33	0	<150 mg/Nm3	With in Norms
SOX	0.67	5.24	0	96Kg/day	With in Norms
NOX	2.34	18.32	0	<100 ppm	With in Norms
Stack 2- (Annealing Furnace - Radiant tube heating section, Total Particulate Matter	2.64	13.41	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	96Kg/day	With in Norms
NOX	1.82	9.25	0	<100 ppm	With in Norms
Stack 3 (Annealing Furnace -Air jet cooling section) Particulate Matter	0.00	0.00	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	96Kg/day	With in Norms
NOX	0.00	0.00	0	<100 ppm	With in Norms
Stack 4 (Drying Furnace – Drying section), Particulate Matter	1.13	13.34	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	96Kg/day	With in Norms
NOX	0.83	9.78	0	<100 ppm	With in Norms
Stack 5 (Drying Furnace -Curing section), Particulate Matter	1.5	11.26	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	96Kg/day	With in Norms
NOX	1.68	12.58	0	<100 ppm	With in Norms

		,			
unit Waste Type			Previous Financial	Total During Current Fina	ancial UOM
3) Quantity Recycled or Re-	utilized within th	1e		,	
NA	0.00		0.00	)	MT/A
Non Hazardous Waste Type	Total D	uring Previous Fin	•	al During Current Financial y	
2) From Pollution Control Fa	acilities	-1111			
Metal Scrap	1950		2919.06		MT/A
Non Hazardous Waste Type		evious Financial y		ring Current Financial year	UOM MT/A
SOLID WASTES 1) From Process					
COLID WASTES					
Part-E					
35.3 Chemical sludge from was	te water treatment	. 180.07		200,40	MITA
Hazardous Waste Type	to water treatment	year	vious i mancial	year 260.46	MT/A
2) From Pollution Control Fa	cilities	Total During Pre	evious Financial	Total During Current Finance	cial UOM
33.1 Empty barrels /containers / chemicals /wastes	filners contaminate	ed With Hazardous	003	070	1403.71
5.1 Used or spent oil	linars contaminate		683	670	Nos./Y
			<b>Financial year</b> 4.2	<b>Financial year</b> 10.40	MT/A
1) From Process Hazardous Waste Type			Total During Previo		иом
HAZARDOUS WASTES					
Part-D					
CO 	0.35	38.50	0	<150 ppm	With in Norms
NMHC	0.40	42.95	0		With in Norms
NOX	0.08	8.5	0		With in Norms
SOX	0.003	0.40	0		With in Norms
Stack 10 DG Set (600 KVA), Particulate matter	0.14	15.5	0	CI30 mg/mis	AATELL III IAOTIII2
Stack 9 Coater stack , Acid Mist	0.84	5.32	0	3.	With in Norms With in Norms
Mist		5.00	0	a 25 ma/Nm	With in Norma
Stack 8 Cleaning section (water spray type wet scrubber) Alkali	0.28	1.78	0	< 35 mg/Nm	With in Norms
NOX	0.00	0.00	0	<100 ppm \	With in Norms
SOX	0.00	0.00	0	96Kg/day \	With in Norms
Stack 7 Drying furnace , Particulate Matter	0.00	0.00	0	<150 mg/Nm3 \	With in Norms
cooling section), Particulate					
Stack 6 (Drying furnace -Air	0.00	0.00	0	<150 mg/Nm3 V	With in Norms

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1	1 7	1				_	115		A	
1	) t	1a	78	ro	ou	5	W	ลร	re	

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	10.40	MT/A	Oily, Organic Liquid Form
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	670	Nos./Y	HDPE, MS Drum, Plastic Carboys etc.
35.3 Chemical sludge from waste water treatment	260.46	MT/A	Chemical ppt, Hydroxide, Sulphite, Phosphate etc.

## 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal Scrap	2919.06	MT/A	Solid Metal Scrap

## Part-G

npact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0.00	0.00	0	0.00	0.00	0.00

## Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Dotail of	mageurae	for	Environmental	Protection

### **Environmental Protection Measures**

Capital Investment (Lacks)

Development & Maintenance of Green Belt Area (Cost towards Manpower & Equipment Maintenance)

Increase in number of trees, Conservation of existing and new planted trees will improve biodiversity of plant area

30

## [B] Investment Proposed for next Year

## **Environmental Protection Measures**

Capital Investment (Lacks)

Landscape & Green Belt Area Maintenance including New Tree Plantation (Cost towards Manpower & Equipment Maintenance)

Soil Conservation and water reuse for garden (Reduction of Natural Resources)

30

## Part-I

Any other particulars for improving the quality of the environment.

### **Particulars**

Green Belt Development & Maintenance. Tree Plantation activity done (Inside green area-2400 Nos.), Provided sprinkler & drip irrigation system to green coverage area, Certification of EMS- ISO 14001:2015 with Validity 23rd Feb, 2024 & OHSAS - ISO 45001:2018 with Validity 23rd Feb, 2024, Celebrated WED on 5th Jun.

## Name & Designation

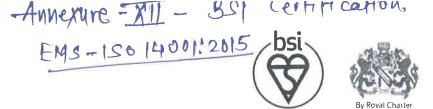
Kwang Soo Kim

UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000049435

*Submitted On:* 29-09-2022

bsi.



# Certificate of Registration

## ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

POSCO Maharashtra Steel Private Limited

Plot No. C-1

Vile Bhagad, MIDC Industrial Area

Tal: Mangaon

Dist. Raigad 402 308

Maharashtra

India

Holds Certificate No:

EMS 687870

and operates an Environmental Management System 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 and fully processed), Hot Rolled, Pickled and Oiled (HRPO) Steel Coils

For and on behalf of BSI:

Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 2018-02-24

Latest Revision Date: 2021-03-21

Effective Date: 2021-02-24 Expiry Date: 2024-02-23

Page: 1 of 2





...making excellence a habit.™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated online.

Printed copies can be validated at www.bsi-global.com/ClientDirectory or telephone +91 11 2692 9000.

Further clarifications regarding the scope of this certificate and the applicability of ISO 14001:2015 requirements may be obtained by consulting the organization. This certificate is valid only if provided original copies are in complete set.

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MKS 8PP. Tel: + 44 345 080 9000 BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK. A Member of the BSI Group of Companies.

Certificate No:

EMS 687870

## Location

POSCO Maharashtra Steel Private Limited

Plot No. C-1

Vile Bhagad, MIDC Industrial Area

Tal: Mangaon

Dist. Raigad 402 308

Maharashtra

India

Posco Maharashtra Steel Private Limited 7th Floor, World Trade Centre, Opp EON.Free Zone, MIDC Knowledge Park, Kharadi

Pune 411 014 Maharashtra

India

Registered Activities

Top Management, Compliance Obligation/ Legal Requirement and Emergency Preparedness and Response, Internal audit and Management Review, Resource Management / Training & Organization Knowledge Purchase and Stores including hazardous waste Storage and Disposal, Logistics ? Inbound and Outbound, Utility , Mech Maintenance , Elec maintenance, Manufacturing ? CGL, PCM, CAL, ACL , Manufacturing Process Development/Operation support , Laboratory, Canteen 1,2,3 , OHC , Security

HR & Admin



Original Registration Date: 2018-02-24 Latest Revision Date: 2021-03-21 Effective Date: 2021-02-24 Expiry Date: 2024-02-23

Page: 2 of 2

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J EUN LONNINGED

Ref.: EKDKN/EnvHrCsr1/2023/003

Mr. Bay In Kyo Dy. Managing Director POSCO Maharashtra Steel Pvt. Ltd. Corporate Office



## Congratulations!!!

Sub: Selected "Gold Award" for "14th Exceed Green Future Award 2023" in Environment Preservation category

Dear Mr. Bay In Kyo,

It gives us immense pleasure to inform that the Jury Committee for "Exceed Award 2023" has selected POSCO Maharashtra Steel Pvt. Ltd., Raigad, Maharashtra for "Gold Award" in "14th Exceed Green Future Award 2023" in Environment Preservation category under Steel Sector.

"Sustainable Development Foundation" (A unit of Ek Kaam Desh Ke Naam) is a Non-Government Organization working for social upliftment since 2007, with a vision to bring about change in the national social development, has taken a step forward to recognize & honour Corporates and had initiated EXCEED Awards in the field of Environment, Occupational Health and Safety, Renewable Energy, Oil & Gas, HR & CSR. Apart from this EKDKN working for social upliftment of the society since 2007, with a vision to bring change in the national scenario.

Ek Kaam Desh Ke Naam presently focused on the following five major sectors, which are, indeed, vital for the development & growth of our country:

- 1. Health and Safety
- 2. Environment and Renewal Energy
- 3. Education
- 4. Skill Development and Livelihood
- 5. Community Development

You will be pleased to know that "14<sup>th</sup> Exceed Environment, CSR & HR Award 2023" and Conference on "Beat the Plastic Pollution" has been supported by Ministry of Environment, Forest & CC, going to organize in the August 2023 at Uttarakhand.

Representatives from Industries from various sectors, manufacturers of related waste material and recyclers; Officials from Government agencies, Pollution Control Boards, NGOs; Technocrats, Advisors and Policy Makers; Scientists, Researchers and Students will be invited.

Therefore, we request you to nominate some participants from your reputed organization from all projects and plants to attend the Conference on the Theme: "Beat the Plastic Pollution" to derive benefit for their professional Development.

We are offering special discount on group delegates which are as follows:

1. For 1 Delegate: Rs 6,000

4. For 4 Delegates: Rs.20,000

2. For 2 delegates: Rs.12,000

5. For 5 Delegates: Rs.25,000

3. For 3 Delegates: Rs.18,000

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We are looking forward to your Support and Cooperation.

For further communications please feel free to contact Ms. Runa (8595348496/8595342606)

With best regards

**O P BABBAR** 

P B Rastogi

Cy JEME

(Chairman)
Sustainable Development Foundation
(A unit of EK Kaam Desh Ke Naam)

(Conference Chairman)
(Former Advisor- MOEF & CC)