

**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)

**Sub: Submission of Half Yearly (Period from April 2023 to September 2023) 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**

**Respected Sir,**

POSCO Maharashtra Steel Pvt. Ltd has been accorded Environmental Clearance for production of Galvanized Coil dated 8<sup>th</sup> June 2011.

For Compliance under Environmental Clearance conditions, here we are submitting Half Yearly EC-Compliance report of **Period from Apr'23~Sep'23** regarding conditions given under **Environmental Clearance for CGL-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

**Authorized Signatory**

**For POSCO Maharashtra Steel Pvt. Ltd.**



**Mr. Atin N. Raut**

AGM- EHS



**Enclosures:**

1. Annexure- I: Analysis reports (Apr~Sep'23), Ambient Air Monitoring as per NAQM notification 2009.
2. Annexure-II: Ack. copy from MPCB regarding regular submission of AAQM & MPCB-Quarterly Comp. report.
3. Annexure -III: Detail reports on Posco Maharashtra-Rain Water Harvesting system.
4. Annexure -IV: Analysis reports of Work zone Noise & Ambient Level Monitoring as per The EP Act 1986.
5. Annexure- V: Detail report on Tree Plantation Drive & report on Life Lifestyle for Environment 2023.
6. Annexure- VI: Ack. copy from MPCB for submission of Annual Hz Waste for FY: 2022-2023 Form IV & Intimation of Hz Waste Disposal Details -Form-10 (Comp. under The Hz & Other waste (M & TM) Rule 2016.
7. Annexure- VII: MWML (CHWTSDF) Membership Certificate (Valid till 31.03.2024) for disposal of Hz. waste.
8. Annexure-VIII: ETP treated water analysis report by MPCB JVS report, Internal & External (MoEF) Lab.
9. Annexure- IX: Copy of Public Notice - Press release of Advertisement regarding grant of EC.
10. Annexure- X: Ack. copy of submitted Half Yearly Compliance report on dtd. 01<sup>st</sup> June 2023.
11. Annexure- XI: Stack Emission Monitoring Reports as per NAQQM 2009 (Period from Apr~Sep'23).
12. Annexure- XII: MPCB Star Rating Programme.
13. Annexure- XIII: Environmental Statement (FY: 2022-2023) of Posco-Maharashtra CGL-Plant.
14. Annexure- XIV: BSI Certification of Environmental Management System (EMS) - ISO 14001:2015.
15. Annexure- XV: P-MH selected for "Gold Award" in "14th Exceed Green Future Award 2023" in Environment Preservation category under Steel Sector from "Sustainable Development Foundation" New Delhi.

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

Dist: Raigad - 402 308, Maharashtra, INDIA

CIN: U02100MH1999PTC100672

# **CGL Plant - HALF YEARLY COMPLIANCE REPORT**

**Six Monthly Compliance report (Period: April 2023~September 2023)-Environmental Clearance Conditions-  
CGL Plant**

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

**2. The proposal is for grant of Environmental Clearance for Industrial manufacturing facility to produce Galvanized Coil at Vile Bhagad MIDC, District-Raigad, M/s. Posco Maharashtra Steel Pvt. Ltd. The project considered by SEAC under Screening Category – 3(a) & 8(a) of EIA Notification 2006.**

**Project Information from documents submitted by Project Proponent & considered by SEAC & SEIAA is Summarized as below:**

Name of the Project	Propose to construct an Industrial Manufacturing Facility
Type of Project	Industrial Estate
Project of Proponent	M/s. POSCO Maharashtra Steel Pvt. Ltd.
Location of the Project	At-Vile Bhagad, Tal-Mangaon, Dist-Raigad, 402308
Land	602780 M <sup>2</sup>
Build up Area	92,000 M <sup>2</sup>
Estimated Cost of the Project	Rs. 1231.24 Crores

**Production Capacity:**

Name	Existing	Quantity /Year	UOM
Main- Product	Galvanized Coils	450000	Ton/Y
By-Product	Metal Scrap	18,750	Ton/Y

**Raw Material Consumption (Consumption of raw material per unit of product)**

Name of Raw Materials	During the financial Year 2020-2021	During the Financial Year 2021-2022	During the Financial Year 2022-2023	UOM
Natural Gas	28.97	34.82	28.48	Ton/Ton
H2 (Hydrogen Gas)	2.95	2.59	2.70	Ton/Ton
N2 (Nitrogen Gas)	70.65	42.52	42.54	Ton/Ton
Full Hard Coil	0.834	1.00	1.00	Ton/Ton
NaOH	0.00067	0.00071	0.00079	Ton/Ton
Phosphate Solution	0.00118	0.00145	0.00133	Ton/Ton
Wet Oil	0.00077	0.00108	0.00106	Ton/Ton
Chrome Free Solution	0.00098	0.00114	0.00112	Ton/Ton
Chromate	0.00022	0.00033	0.00035	Ton/Ton
Anti Rust Oil	0.00025	0.000327	0.0003	Ton/Ton
Zinc	0.02476	0.02406	0.02439	Ton/Ton

**Raw material storage and Transportation Facility:**

- o Raw material is storage area enmarked with full safety features including fire fighting facility. Compiled.  
Raw materials are transported by Road only to the production facilities.
- o Raw material transported through the closed lines from storage area to the production facilities. Compiled.  
NG, H2 & N2 Gases supplied by pipelines only from GAIL & INOX AIR respectively.
- o Major hazardous raw material is Hydrochloric acid which will be stored separately and transported through the closed pipe lines from storage area to the production facility area. Compiled.

**Water Consumption in m3/day:**

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	880.00	876.00
Cooling	750.00	367.00
Domestic	253.00	231.00
All others	0.00	0.00
<b>Total</b>	<b>1883.00</b>	<b>1474.00</b>

Source: MIDC-Vile Bhagad.

**Effluent Generation in CMD / MLD**

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	962.00	815.00	CMD
Domestic Effluent	160.00	135.00	CMD

**Capacity of ETP: 1200M<sup>3</sup>/Day**

- o The treated water shall be stored at effluent tank and pumped to reuse points such as planting & washing water etc.
- o Sludge from floatation basin, Sedimentation basin and biological treatment are collected in sludge storage basin.
- o Sludge will be treated by dehydrator. Cake will be disposed at Common Treatment Facility at Talaja.
- o Wet oil waste water is collected in a basin. and then, it will be disposed through the MPCB approved agencies.
- o Phosphate waste water, Cr waste water, Cr-free waste water is collected in a separate drums and then, it will be disposed to Common Treatment Facility at Talaja.

**Complied under MPCB-CTO SCHEDULE-I Terms & conditions for compliance of Water Pollution Control:**

A] Posco Maharashtra have provided integrated Effluent Treatment Plant (ETP) for combined treatment of industrial & domestic effluent having MBR technology with total capacity 1200 CMD.

B] ] Posco Maharashtra have operated the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

S. No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5 to 8.5
(2)	Oil & Grease	10
(3)	BOD (3 days 27 ° C )	30
(4)	Total Suspended solids	100
(5)	Total Dissolved solids	2100
(6)	Nikel as Ni	3
(7)	Hexavalent Chromium as Cr	0.1
(8)	Total Chromium as Cr	2
(9)	Cyanides as CN-	0.2
(10)	Zinc as Zn	5
(11)	Lead as Pb	0.1
(12)	Iron as Fe	3
(13)	Total Chromium as Cr	2
(14)	Cadmium as Cd	2
(15)	Chlorides	600
(16)	Sulhates	1000

- o Wet oil waste water is collected in a basin and then sent to ETP for further treatment.

- Phosphate waste water, Cr waste water, Cr-free waste water is collected in a separate drums and then send to ETP for further treatment.
- Chromic waste is collected in a separate drums and then, it will be disposed to Common Treatment Facility at Taloja.

**• Power Requirement:**

Sr. No.	Load Details	Remarks (KVA)
1	Construction Approved Load	2900
2	Operation Load	37000
	Transformer for Construction	1) 2 Nos. of 300KVA 2) 5 Nos. of 500KVA
3	Transformer for Operation	1) 2 Nos. of 30,000KVA (ONAF Type)

**Compiled**

The total power requirement is being sourced from MSEDCL (Maharashtra State Electricity Distribution Company Ltd).

**• Existing Power Requirement**

S. No.	Load Details	Remarks (KVA)	Existing Power Requirement
1	Operation Load	37,650 KVA	< 10,000KVA

**Energy Conservation:**

1. Solar energy will be used for street lighting and common areas only.
2. Their will be solar lamps posts to be erected in the common area.
3. About 4-5% of non conventional energy viz. solar will be used in this project.

**Compiled**

Use of solar Energy to reduce electricity cost & CO2 emission.

Installed No. of Solar Panels 125Nos. within premises.

**Energy Generated by 01 Panel:** Solar Panel 0.335 KW x 7 Nos. of Hours = 0.345 Panel Output (KWh).

No. of Solar Panels 125Nos. x 2.345 KWh of 01 Panel = 293.13 Total KWH Generated.

**Energy Generated by 125 Nos. of Panels=293.13 KWH**

**Replacement of halogen lamp to LED (Total 1037Nos.):** By replacing existing halogen lamps in factory facilities and yards with LED lamps, we want to secure adequate work illumination and achieve energy saving effects.

**About 27% non conventional energy viz. solar used in Posco Maharashtra.**

**Hazardous Waste Management:**

Collection	Storage	Transport	Disposal
Waste Collection in pits & drums	Collected waste will be stored at identified separate yard.	Through the transport authorized by MPCB	On the site of authorized waste management facility CHWTSDf at Taloja for safe and secure disposal of Hazardous waste.

**Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

S.No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	2	MT/M	Recycle	Sale to Authorized Party
2	6.3 Other residues from processing of zinc ash or skimmings	200	MT/M	Recycle	Sale to Authorized Party
3	35.3 Chemical sludge from waste water treatment	70	MT/M	Landfill	CHWTSDf
4	12.1 Acidic and alkaline residues	4	MT/M	Landfill	CHWTSDf
5	Waste Chrome solution	2	MT/M	Recycle	Sale to Authorized Party

6	4.2 Spent catalyst & Molecular Sieves	756	Kg/A	Landfill	CHWTSDF
7	33.1 Empty barrels /containers /liners contaminated with Hz chemicals/wastes	500	No/M	Decontamination	Sale to Authorized Party

• **Air Pollution Control Measures:**

- Effective chimney of adequate height during operation phase.

**Compiled under SCHEDULE-II Terms & conditions for compliance of Air Pollution Control:**

Posco Maharashtra have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/pro posed	Stack Height (in mtr)	Type of Fuel	Sulphur Content (in %)	Pollutant	Standard
S-1	Furnace	Exhaust fan & Damper	42.00	Natural Gas 6091897 Nm <sup>3</sup> /month	-	TPM	150 Mg/Nm <sup>3</sup>
S-2	Boiler	Exhaust fan & Damper	30.00			TPM	150 Mg/Nm <sup>3</sup>
S-3	No.1 Cleaning	Scrubber	27.11	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
S-4	Nano coating	Scrubber	47.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
S-5	Post Treatment	Scrubber	44.50	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
S-6	Pot Roll Cleaning Room	Scrubber	12.00	-	-	Acid Mist	35 Mg/Nm <sup>3</sup>
S-7	DG Set 2000 KVA	Acoustic Enclosure	30.00	HSD 300 Ltr/Hr	1	SO <sub>2</sub>	144 Kg/Day

- Green Belt Area will be developed for trapping fugitive emissions.

**Compiled**

Following measures taken to control fugitive emissions:

- Developed land in segments to avoid disturbance of top soil layer & to prevent dust spreading due to wind.
- Green belt development started around periphery of plant area.

- Sprinkling system to suppress dust emission during construction phase.

**Compiled**

- Water sprinkling system undertaken.

- There will be no gaseous emissions from the proposed project activity.

**Compiled**

• **Noise Pollution Control System:**

Personal protective Equipments (PPE's) will be provided to workers in the vicinity of noise generation area.

**Compiled**

- Ambient Noise Level Monitoring done as per The Environment Protection Act 1986.
- Regular Workplace Noise Level Monitoring done as per The Factories Act 1948.
- We have monitoring Noise Level through MoEFCC approved lab & ensure it is maintained as per EP Act standard. Earplugs, Ear muffs are provided to all workers for protecting them from Noise.

- **Green Belt Development:** It's proposed to develop more than 3,00,000M<sup>2</sup> Area as Green Belt: Total 2500Nos. of trees will be planted.

**Compiled**

- Maintained total 1381410M<sup>2</sup> Area [38% of the available open land] under Green coverage / plantation.
- Green Belt Development done and will continue for further nourishment.
- Water sprinkler system provided for irrigation of Green Belt Area.
- Posco Maharashtra had Horticulture contract & employed local manpower in Horticulture for local employment (42 Persons including 3 Supervisors).

○ **Monsoon Tree Plantation:**

Submitted report to MPCB-SRO- Mahad on dated 28th Jun, 2023. [FY: 2022-23].

Tree Plantation Plan for this year 6000Nos. including 9 Gram Panchayat with 28 Villages.

**Environment Management Plan:**

S.No	Items	Cost (INR) during Construction	Cost (INR) during Operation
1	Air Environment	3,25,000	7,50,000
2	Water Environment	2,50,000	5,75,000
3	Noise Environment	2,25,000	2,00,000
4	Green Belt Area	12,50,000	8,00,000
5	Miscellaneous	10,00,000	5,00,000
	<b>Total EMP Cost</b>	<b>30,50,000</b>	<b>28,25,000</b>

**Capital Costs:**

- Sewage Treatment Plant: Rs. 110 Lacs
- Effluent Treatment Plant: Rs. 230 Lacs
- Water Management System: Rs. 230 Lacs
- Green Belt: Rs. 50 Lacs

**Compiled**

**Capital and Recurring (O & M) Expenditure on Various Aspect of Environmental Protection:**

Allocated Budget for EMP.						
Sr. No	Aspects of Environment Protection	Recurring Cost / Year				Remark
		2020	2021	2022	2023 (till Sept'23)	
1	Effluent Treatment Plant	34,375,459	42,461,886	43981772	7807601	Only Electrical Power, Chemical Cost etc.)
2	Effluent Treatment Plant – Equipment Maintenance Cost	4,694,400	9,490,644	16665000	6093048	MBR Plate Replacement
		NA	10,700,000	NA	NA	ZLD Plant Equipment (VC) repair
3	Green Belt Area (Within Posco Plant Premises)	15,840,000	15,888,000	15927500	9782685	Gardening Labor Cost & Sprinkler System Maintenance Cost.
4	Tree Plantation, Raigad Fort Cleaning activities, Plastic Free Rally. Watering to Planted Trees in Vile Bhagad MIDC Area	NA	644520	72450	146000	Due to "Nisarg Cyclone" in 2020, only damaged tree restoration work.
5	Air Environment Cost	4,689,431	14,063,672	14255726	10691794	ARP Plant Scrubber Operation Cost
6	Hazardous Waste Disp.	19,131,780	22,646,270	22755725	17,066,794	Hz. Waste Disp.

	Cost					Cost
7	Environment Sampling & Monitoring Cost from MoEF Lab	700,023	700,023	700,023	525,020	Environment Sampling from External Lab.
8	MPCB- Consent to Operate Fees	7661500	12312400	NA	38,617,980	As per MPCB Rules & Regulations
9	MPCB-JVS Sampling & Monitoring Cost.	83,500	91,790	94550	53780	MPCB-JVS Payments
10	Hydro Geological Survey	NA	1,400,000	NA	NA	
11	National Environmental Engg. Research Institute (NEERI)-Nagpur Lab. Testing cost	300,000	NA	NA	NA	Environment Quality checking cost.
12	ISO 14001:2015 (Environment Management system)	266,000	400,000	400,000	334,500	Audit cost to BSI certification body
<b>Total Cost on Environmental Protection</b>		<b>87,742,093</b>	<b>130,799,205</b>	<b>113,752,723</b>	<b>91,119,202</b>	

✘Note: Year 2020, Posco Maharashtra plant was totally stopped due to COVID-19 Lockdown from 20th March~30th Jun'20 [ Cyclone-Nisarg on 03rd Jun'20].

**Percentage of Annual turnover vis-a-vis funds allocated and utilized for Environmental Management for the last three years.**

Sr. No	Item	Base Year 2020-21 Rs. in lakhs	2nd Year 2021-22 Rs. in lakhs	3rd Year 2022-23 (March) Rs. in lakhs
1	Budget Allocated	10,00,00,000	13,50,00,000	13,50,00,000
2	Budget Utilized	8,77,42,093	13,07,99,205	11,37,52,723
3	Utilization %	88 %	97%	84%

3. The proposal has been considered by SEIAA in its 34<sup>th</sup> meeting & decided to accord Environmental Clearance to the said project under the provision of Environment Impact Assessment (EIA) Notification, 2006 subject to implementation of the following terms & conditions:-

S. 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, notifications, Government Regulations, Circulars etc. issued if any. This Environmental Clearance issued w.r.t. the Environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Industry located in MIDC Vile Bhagad Area, At-Vile, Post-Bhagad, Tal- Mangaon , Dist- Raigad, Maharashtra, 402308
(ii)	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air & Water Act and a copy shall be submitted to the Environment Dept. before start of any construction work at the site.	<b>Complied.</b> <ul style="list-style-type: none"> <li>"Consent for Establishment" 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.	<b>Complied.</b> <ul style="list-style-type: none"> <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 proper permission.	<b>Complied.</b> <ul style="list-style-type: none"> <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 vulnerable areas of the plant shall be ensured.	<b>Complied.</b> Following measures taken to control fugitive emissions : <ul style="list-style-type: none"> <li>Developed land in segments to avoid disturbance of top soil layer &amp; to prevent dust spreading due to wind.</li> <li>Green belt development started around 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 in & around the plant & records shall be maintained. The locations of monitoring stations & frequency of monitoring shall be decided in the consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	<b>Complied.</b> <ul style="list-style-type: none"> <li><b>Annexure - I</b> Fortnightly Ambient Air Quality Monitoring (AAQM) reports with Composite Reports (Apr'23 to Sep'23).</li> <li><b>Annexure - II</b> Acknowledgement copy from MPCB for submission of AAQM Monitoring reports by MoEF approved laboratory. (Period Apr'23 to Sep'23).</li> </ul>
(vii)	A detailed scheme for Rainwater harvesting shall be prepared and implemented to recharge ground water.	<b>Noted &amp; Complied.</b> <ul style="list-style-type: none"> <li><b>Annexure- III</b> Installed Rain Water Harvesting system for use of rain water for cooling tower makeup which will reduce MIDC water consumption [Capacity of plant: 15~20 KL/Hr].  Rain water Qty – Daily- 80M<sup>3</sup>,  Monthly – 70M<sup>3</sup>. <u>Total -5600M<sup>3</sup></u>  Monsoon season (June to Oct Every Year).</li> </ul>
(viii)	Arrangement shall be made that waste water & storm water do not get mixed	<b>Complied.</b> <ul style="list-style-type: none"> <li>Separate storm water drain provided.</li> <li>Industrial Waste water and sewage are conveyed to ETP by pipes inside plant shed</li> <li>There is no possibility of mixing storm water.</li> </ul>
(ix)	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to MPCB.	<b>Complied.</b> Periodic monitoring of ground water sample analysis (Nearby Bhagad Village) done by third party MoEFCC approved Lab. Reports are regularly submitted to MPCB. Note: All parameter are within Norms.
(x)	Leq of Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	<b>Complied.</b> <ul style="list-style-type: none"> <li><b>Annexure- IV</b> Ambient Noise Level Monitoring done as per The Environment Protection Act 1986 (Period Apr~Sep'23).</li> <li>Regular Workplace Noise Level Monitoring done as per The Factories Act 1948. (Period from Apr'23 to Sep'23).</li> <li>We have monitoring Noise Level through</li> </ul>



		<p>MoEFCC approved lab &amp; ensure it is maintained as per EP Act standard.</p> <ul style="list-style-type: none"> <li>• Earplugs, Ear muffs are provided to all workers for protecting them from Noise.</li> </ul>
(xi)	<p>The overall Noise levels 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 sources of noise generation. The Ambient Noise Levels shall confirm to the standards prescribed under Environment (Protection) Act 1986, Rules, 1989.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• D.G. Set shall be operated only in case of power failure.</li> <li>• Industry has provided acoustic enclosure for control of noise.</li> <li>• Regular monitoring shall be done through MoEFCC approved Laboratory to ensure Ambient Noise is within EP Act Standards.</li> <li>• <b>Annexure IV</b> Ambient Noise Level Monitoring reports. (Period Apr~Sep'23).</li> </ul>
(xii)	<p>Green Belt shall be developed &amp; maintained around the plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.</p>	<p><b>Complied.</b> <b>Annexure-V:</b></p> <ul style="list-style-type: none"> <li>• Green Belt Development done and will continue for further nourishment.</li> <li>• Water sprinkler system provided for irrigation of Green Belt Area.</li> <li>• Posco Maharashtra had Horticulture contract &amp; employed local manpower in Horticulture for local employment (42 Persons including 3 Supervisors).</li> <li>• <b>Monsoon Tree Plantation</b> – Submitted report to MPCB-SRO- Mahad on dated 28th Jun, 2023. [FY: 2022-23]. Maintained total 38% of the available open land under Green coverage/ plantation.</li> <li>• Tree Plantation Plan for this year 6000Nos. including 9 Gram Panchayat with 28 Villages.</li> </ul>
(xiii)	<p>Adequate Safety measurers shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection &amp; warning.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <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>
(xiv)	<p>Occupational Health Surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <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. <b>Yearly Medical Health checkup of all employee done</b> &amp; will continue as per schedule.</li> <li>• Form No-6 (Fitness certificate) &amp; Form No-7 (Health register) have maintained &amp; will</li> </ul>

		produce to Factory Inspector (as & when required).
(xv)	The company shall make the arrangement for protection possible fire hazards during manufacturing process in material handling.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <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)	The project authorities must strictly comply with the Rules & regulations with regard to handling & disposal of hazardous wastes in accordance with the Hazardous waste (Management, Handling & Trans boundary) Rules 2010. Authorization from the MPCB shall be obtained for collection /treatment/storage/disposal of hazardous wastes	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Regular disposal of hazardous waste to CHWTSDF &amp; MPCB Authorized parties.</li> <li>• Regular online submission of Manifest for Hazardous &amp; other Waste Form-10 to MPCB for compliance of The Hazardous &amp; other waste (M &amp; H) Rules 2016.</li> <li>• Annual Returns-Hz Waste- Form IV for Financial Year 2022-2023 is submitted on MPCB Portal on 16/06/2023.</li> </ul> <p><b>Annexure-IV:</b> Acknowledgement copy of Form-IV for FY: 2022-2023 &amp; regular submission of Hazardous waste disposal Form-10 to MPCB SRO office-Mahad. (Period from Apr'23 to Sep'23).</p> <p><b>Annexure -VII:</b> Posco Maharashtra had taken <u>Lifetime Membership</u> from Mumbai Waste Management Ltd Taloja (CHWTSDF) for disposal of Hazardous waste (Membership No – MWML HZW-MHD-3180). Validity: 31/03/2024.</p>
(xvii)	The Company Shall undertake following Waste minimization measurers– a) Metering of quantities of active ingredients to minimize waste. b) Reuse of by-products from process as raw materials or as raw material substitutes in other process. c) Maximizing Recoveries. d) Use of automated material transfer system to minimize spillage.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <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 drills for the on-site emergency management plan shall be carried out.  Implementations of changes / improvements required, if any, in the on-site management plan shall be ensured.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• On-site Emergency Plan prepared. Regular mock drills &amp; safety trainings (on various topics) have been carried out and will continue as per training plan.</li> <li>• Mock drill carried out as per Annual Environmental Plan.</li> </ul>
(xix)	A separate Environment Management Cell with qualified staff shall be set up for implementation of the stipulated	<p><b>Complied.</b> Company had established EHS</p>

	environmental safeguards.	department, in which Environment Managers & Environment chemists for Environmental testing are appointed. Also, in house water & waste water analysis facility provided to monitor ETP performance. <b>Annexure – VIII:</b> Effluent water testing report by MPCB JVS Report. In-house laboratory Internal and external MoEF approved Laboratory (Period Apr'23 to Sep'23).
(xx)	Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.	<b>Not applicable</b> Company will use Piped Natural Gas 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 breaks-up. These cost has been included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	<b>Complied.</b> <ul style="list-style-type: none"> <li>• Industry has allocated Separate funds for implementation of Environmental protection measure /EMP along with item- wise breaks-up.</li> <li>• The funds earmarked for Environmental Protection measures shall not be diverted for other purposes and expenditures reported to the MPCB.</li> </ul>
(xxii)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project , one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter. Informing that the project has been accorded Environment Clearance & copies of Clearance letter are available with the MPCB & may also be seen at Website at <a href="http://envis.maharashtra.gov.in">http://envis.maharashtra.gov.in</a>	<b>Complied.</b> <ul style="list-style-type: none"> <li>• Advertise given in two newspapers dated 4<sup>th</sup> July 2011– Mumbai Sakal (for Marathi Language) &amp; in DNA ( English Language).</li> <li>• <b>Annexure-IX:</b> Published copy of Advertise dated 4<sup>th</sup> July 2011.</li> </ul>
(xxiii)	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.	<b>Complied.</b> <ul style="list-style-type: none"> <li>• Ack. copies of Half Yearly Report (Period Dec'22 ~May, 2023) Compliance of Environmental Clearance Conditions submitted on 01/06/2023 to The Secretary, Environment dept. Mumbai, MoEFCC &amp; Climate change, Integrated RO-office, Nagpur, The Zonal officer-CPCB, Parivesh Bhavan, Vadodara-Gujarat &amp; MPCB (SRO-RO &amp; H.Q. Office)-By Speed Post.</li> <li>• <b>Annexure -X:</b> Acknowledgement copies of submitted Half Yearly Compliance report.</li> </ul>
(xxiv)	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.	<b>NA</b> <ul style="list-style-type: none"> <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>

(xxv)	The proponent shall upload the status of compliance of the stipulated EC Conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB & the CPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>X</sub> (Ambient level as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <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> </ul> <p><b>Annexure- XI:</b> CGL-Stack Emission Monitoring Reports as per NAQPM 2009 (Period Apr~Sep',23).</p> <p><b>Annexure- XII:</b> MPCB Awarded Five Star Rating for Stack TPM Emission in Star Rating Programme.</p>
(xxvi)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including result of monitored data (Both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB & the SPCB.	<p><b>Complied.</b></p> <p>Ack. copies of Half Yearly Report (Period Dec'22~May, 2023) Compliance of Environmental Clearance Conditions submitted on 01/06/2023 to Integrated RO-office, Nagpur, The Zonal officer-CPCB, Parivesh Bhavan, Vadodara -Gujarat The Secretary, Environment department Mumbai, MoEFCC &amp; Climate change &amp; MPCB (SRO-RO &amp; H.Q.)-By Speed Post.</p> <ul style="list-style-type: none"> <li>• <b>AnnexureIX:</b> Acknowledgement copies of submitted Half Yearly Compliance report.</li> </ul>
(xxvii)	The Environment Statement for each Financial year ending 31 <sup>st</sup> March in form V as is mandated to be submitted by the Project Proponent to the concerned State Pollution Control Board as prescribed under Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC Conditions & shall also be sent to the respective Regional Offices of MoEF by email.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• <b>Annexure - XIII:</b> Form-V Environmental statement (Financial Year 2022-2023) submitted to online MPCB portal on dated 25/09/2023.</li> <li>• Hard copy of the same also submitted to MPCB-SRO-Office, Mahad on 27<sup>th</sup> September 2023.</li> </ul>
(xxviii)	The Environment Clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that Project Proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the Project Proponent. Hence this clearance does not give Immunity to the Project Proponent in the case filed against him.	Till date Project Proponent has not violated any environmental laws.
	<u>BSI Certification of Registration:</u> 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 style="list-style-type: none"> <li>• <b>Annexure - XIV:</b> Posco Maharashtra Holds- <b>BSI Certification No.: EMS 687870.</b></li> <li>• Environmental Management System (EMS) – ISO 14001:2015.</li> <li>• <b>BSI Certification of Certification:</b> Effective Date: 2021-02-24 Expiry Date: 2024-02-23</li> </ul>

4.	The Environment Department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	<ul style="list-style-type: none"> <li>• <b>Yes.</b></li> <li>• Environment Department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department</li> </ul>
5.	<b>Validity of Environment Clearance:</b> The Environmental Clearance accorded shall be valid a period of 5 years to start of production operations.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• <b>Implemented / followed</b> Environmental Clearance terms and conditions under the provisions of Environment Impact Assessment Notification, 2006.</li> </ul>
6	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s), imposed and to incorporate additional environmental protection measures required, if any.	<ul style="list-style-type: none"> <li>• <b>Yes</b></li> <li>• Till date there is no any deviation or alteration in the project proposed from those submitted to the Environment department for clearance.</li> </ul>
1	The above stipulations would be enforced among others under The Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986 and rules there under, Hazardous Waste ( Management & Handling) Rules, 1989 and its amendments, The Public Liability Insurance Act, 1991 and its amendments.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Followed all terms and conditions under under The Water (Prevention &amp; Control of Pollution) Act, 1974, The Air (Prevention &amp; Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986 and rules there under, Hazardous Waste ( Management &amp; Handling) Rules, 1989 and its amendments, The Public Liability Insurance Act, 1991 and its amendments.</li> </ul>
2	Any appeal against this Environmental Clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under section 11 of the National Environmental Appellate Act, 1997.	<ul style="list-style-type: none"> <li>• <b>Yes</b></li> </ul>

Thanking You

Yours Truly

**Authorized Signatory**

**For POSCO Maharashtra Steel Pvt. Ltd.**

**Mr. Atin N. Raut**  
AGM- EHS





AAQM - Composite Reports.  
 12<sup>th</sup> to 13<sup>th</sup> April 23 (Round-I)  
 ANNEXURE - 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.

• 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

<b>CLIENT'S NAME &amp; ADDRESS</b>  <b>M/s Posco- Maharashtra Steel Pvt. Ltd.</b> Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	<b>REPORT NO</b>	HS/LAB/AA/00935-00938
	<b>REPORT DATE</b>	19/04/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/AA/030
	<b>SAMPLING DATE</b>	12&13/04/2023
	<b>SAMPLE RECEIPT DATE</b>	14/04/2023
	<b>START DATE OF ANALYSIS</b>	14/04/2023
	<b>END DATE OF ANALYSIS</b>	18/04/2023
	<b>SAMPLING REF. / SOP NO.</b>	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				
				12/04/2023	12&13/04/2023	12/04/2023	12&13/04/2023	
01	DATE OF SAMPLING			12/04/2023	12&13/04/2023	12/04/2023	12&13/04/2023	
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*	60	µg/m <sup>3</sup>	29.68	55.27	25.32	48.52
		24 Hrs**	100					
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	15.12	26.32	13.58	24.31
		24 Hrs**	60					
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
		24 Hrs**	80					
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	10.35	13.12	8.62	12.05
		24 Hrs**	80					
09	CO (1 hour)	08 Hrs*	0.2	mg/m <sup>3</sup>	0.072	0.099	0.083	BDL
		01 Hr**	0.4					
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	--	BDL	--	BDL
		24 Hrs**	400					

**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 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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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	--	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)

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

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AACQM - Composite Reports  
26<sup>th</sup> to 27<sup>th</sup> 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 Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308.	REPORT DATE	04/05/2023
	LAB REFERENCE NO.	HS/LAB/AA/068
	SAMPLING DATE	26&27/04/2023
	SAMPLE RECEIPT DATE	28/04/2023
	START DATE OF ANALYSIS	28/04/2023
	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. NO.	DESCRIPTION		NAAQS LIMITS	UNIT	RESULT		
01	DATE OF SAMPLING				26&27/04/2023	26/04/2023	26&27/04/2023
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*	60	µg/m <sup>3</sup>	52.61	33.12	45.32
		24 Hrs**	100				
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	24.89	17.91	23.07
		24 Hrs**	60				
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL
		24 Hrs**	80				
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	10.13	9.28	10.23
		24 Hrs**	80				
09	CO (1 hour)	08 Hrs*	0.2	mg/m <sup>3</sup>	0.090	0.092	0.128
		01 Hr**	0.4				
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	400				

**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.



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

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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	BDL	---	BDL
		24 Hrs**	1.0				
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	BDL	---	BDL
		01 Hr *	180				
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	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)

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

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Ambient Air Quality Monitoring  
Composite Report (May'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 2  
HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	<b>REPORT NO</b>	HS/LAB/AA/02133-02136
	<b>REPORT DATE</b>	18/05/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/AA/096
	<b>SAMPLING DATE</b>	11&12/05/2023
	<b>SAMPLE RECEIPT DATE</b>	13/05/2023
	<b>START DATE OF ANALYSIS</b>	13/05/2023
	<b>END DATE OF ANALYSIS</b>	17/05/2023
	<b>SAMPLING REF. / SOP NO.</b>	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				
				11/05/2023	11&12/05/2023	11/05/2023	11&12/05/2023	
01	DATE OF SAMPLING			11/05/2023	11&12/05/2023	11/05/2023	11&12/05/2023	
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*	60	µg/m <sup>3</sup>	35.20	62.10	31.02	65.28
		24 Hrs**	100					
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	18.46	29.86	17.06	33.10
		24 Hrs**	60					
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
		24 Hrs**	80					
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	13.01	15.20	13.20	17.13
		24 Hrs**	80					
09	CO (1 hour)	08 Hrs*	2.0	mg/m <sup>3</sup>	0.079	0.091	0.089	0.069
		01 Hr**	4.0					
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	--	BDL	--	BDL
		24 Hrs**	400					

**DISCLAIMER :**

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

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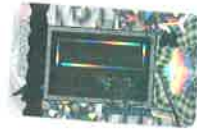
11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	--	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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

**DISCLAIMER :**

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AAQM - Reports  
 Composite Reports  
 [5th & 6th Jun'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 2  
 HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	<b>REPORT NO</b>	HS/LAB/AA/03248-03251
	<b>REPORT DATE</b>	12/06/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/AA/143
	<b>SAMPLING DATE</b>	05&06/06/2023
	<b>SAMPLE RECEIPT DATE</b>	07/06/2023
	<b>START DATE OF ANALYSIS</b>	07/06/2023
	<b>END DATE OF ANALYSIS</b>	10/06/2023
	<b>SAMPLING REF. / SOP NO.</b>	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			
					05/06/2023	05&06/06/2023	05/06/2023	05&06/06/2023
01	DATE OF SAMPLING				05/06/2023	05&06/06/2023	05/06/2023	05&06/06/2023
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*	60	µg/m <sup>3</sup>	39.68	68.73	38.53	72.13
		24 Hrs**	100					
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	20.13	35.10	18.10	38.34
		24 Hrs**	60					
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
		24 Hrs**	80					
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	15.10	19.28	12.10	18.03
		24 Hrs**	80					
09	CO (1 hour)	08 Hrs*	2.0	mg/m <sup>3</sup>	0.088	0.109	0.080	0.075
		01 Hr**	4.0					
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	--	BDL	--	BDL
		24 Hrs**	400					

**DISCLAIMER :**

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- Above results indicate to the parameters mentioned only.
- Liability limited till issue of test reports only.
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- The effect of results relate only to the item tested.

**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

Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	---	BDL	---	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	---	BDL	---	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	---	BDL	---	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	---	BDL	---	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	---	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)

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

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AAEPMA - Composite Reports.  
28th & 29th Jun'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 2  
HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/04471-04473
<b>M/s Posco- Maharashtra Steel Pvt. Ltd.</b> Plot No. C-1, Vile - Bhagad MIDC Industrial Area, Tal - Mangaon, Dist - Raigad, Maharashtra 402308.	REPORT DATE	03/07/2023
	LAB REFERENCE NO.	HS/LAB/AA/206
	SAMPLING DATE	28&29/06/2023
	SAMPLE RECEIPT DATE	30/06/2023
	START DATE OF ANALYSIS	30/06/2023
	END DATE OF ANALYSIS	03/07/2023
	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				28&29/06/2023	28/06/2023	28&29/06/2023
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*	60	µg/m <sup>3</sup>	43.15	30.81	40.31
		24 Hrs**	100				
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	22.80	14.23	20.28
		24 Hrs**	60				
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL
		24 Hrs**	80				
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	13.61	10.20	12.30
		24 Hrs**	80				
09	CO (1 hour)	08 Hrs*	2.0	mg/m <sup>3</sup>	0.099	0.079	0.105
		01 Hr**	4.0				
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	400				

**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.

**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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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	BDL	---	BDL
		24 Hrs**	1.0				
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	BDL	---	BDL
		01 Hr *	180				
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	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)

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

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Composite Reports - AAEM,  
1st Round. (12 & 13th Jul'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 2  
HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	<b>REPORT NO</b>	HS/LAB/AA/05518-05521
	<b>REPORT DATE</b>	19/07/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/AA/238
	<b>SAMPLING DATE</b>	12&13/07/2023
	<b>SAMPLE RECEIPT DATE</b>	14/07/2023
	<b>START DATE OF ANALYSIS</b>	14/07/2023
	<b>END DATE OF ANALYSIS</b>	18/07/2023
<b>SAMPLING REF. / SOP NO.</b>	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				
				12/07/2023	12&13/07/2023	12/07/2023	12&13/07/2023	
01	DATE OF SAMPLING			12/07/2023	12&13/07/2023	12/07/2023	12&13/07/2023	
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*	60	µg/m <sup>3</sup>	30.13	38.67	33.19	35.63
		24 Hrs**	100					
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	14.32	19.10	15.67	18.23
		24 Hrs**	60					
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
		24 Hrs**	80					
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	12.10	13.46	11.20	15.23
		24 Hrs**	80					
09	CO	08 Hrs*	2.0	mg/m <sup>3</sup>	0.080	0.099	0.089	0.070
		01 Hr**	4.0					
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	--	BDL	--	BDL
		24 Hrs**	400					

**DISCLAIMER :**

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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.

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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	--	BDL	--	BDL

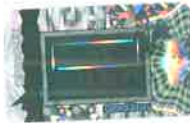
**REMARKS/OBSERVATIONS: -**

**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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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Composite Reports - AAENM.  
2nd Round 26 & 27th July '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 2  
HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/05985-05987
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308.	REPORT DATE	02/08/2023
	LAB REFERENCE NO.	HS/LAB/AA/273
	SAMPLING DATE	26&27/07/2023
	SAMPLE RECEIPT DATE	28/07/2023
	START DATE OF ANALYSIS	28/07/2023
	END DATE OF ANALYSIS	01/08/2023
	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				26&27/07/2023	26/07/2023	26&27/07/2023
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*	60	µg/m <sup>3</sup>	40.79	27.03	37.41
		24 Hrs**	100				
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	18.56	12.10	16.42
		24 Hrs**	60				
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL
		24 Hrs**	80				
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	11.07	9.02	10.13
		24 Hrs**	80				
09	CO	08 Hrs*	2.0	mg/m <sup>3</sup>	0.081	0.069	0.098
		01 Hr**	4.0				
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	400				

**DISCLAIMER :**

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• 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 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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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
		24 Hrs**	1.0				
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
		01 Hr *	180				
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	BDL	--	BDL

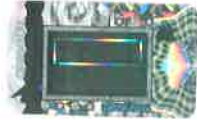
**REMARKS/OBSERVATIONS: -**

**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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

**DISCLAIMER :**

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- Liability limited till issue of test reports only.
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- The effect of results relate only to the item tested.



Ambient Air Monitoring  
NAAQM - Composite Reports.  
Round - I [10th & 11th Aug'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 2  
HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/06792-06795
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	18/08/2023
	LAB REFERENCE NO.	HS/LAB/AA/309
	SAMPLING DATE	10&11/08/2023
	SAMPLE RECEIPT DATE	12/08/2023
	START DATE OF ANALYSIS	12/08/2023
	END DATE OF ANALYSIS	17/08/2023
	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			
				10/08/2023	10&11/08/2023	10/08/2023	10&11/08/2023
01	DATE OF SAMPLING			10/08/2023	10&11/08/2023	10/08/2023	10&11/08/2023
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* 60 24 Hrs** 100	µg/m <sup>3</sup>	25.61	35.29	26.71	39.67
05	PM <sub>2.5</sub>	Annual* 40 24 Hrs** 60	µg/m <sup>3</sup>	14.31	18.71	13.05	20.13
07	SO <sub>2</sub>	Annual* 50 24 Hrs** 80	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
08	NO <sub>2</sub>	Annual* 40 24 Hrs** 80	µg/m <sup>3</sup>	10.81	14.31	10.97	12.10
09	CO (1 hour)	08 Hrs* 2.0 01 Hr** 4.0	mg/m <sup>3</sup>	0.089	0.090	0.080	0.078
10	NH <sub>3</sub>	Annual* 100 24 Hrs** 400	µg/m <sup>3</sup>	--	BDL	--	BDL

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



**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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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	--	BDL	--	BDL

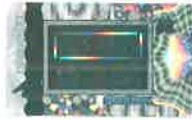
**REMARKS/OBSERVATIONS: -**

**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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*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.



Ambient Air Monitoring  
NAAQM - Composite Reports  
Round - II [28 & 29<sup>th</sup> Aug 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 2  
HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/07489-07491
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308.	REPORT DATE	04/08/2023
	LAB REFERENCE NO.	HS/LAB/AA/341
	SAMPLING DATE	28&29/08/2023
	SAMPLE RECEIPT DATE	30/08/2023
	START DATE OF ANALYSIS	30/08/2023
	END DATE OF ANALYSIS	02/08/2023
	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			28&29/08/2023	28/08/2023	28&29/08/2023	
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*	60	µg/m <sup>3</sup>	35.41	25.20	38.23
		24 Hrs**	100				
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	16.98	13.56	19.64
		24 Hrs**	60				
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL
		24 Hrs**	80				
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	13.51	10.37	12.31
		24 Hrs**	80				
09	CO	08 Hrs*	2.0	mg/m <sup>3</sup>	0.088	0.075	0.091
		01 Hr**	4.0				
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	400				

**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 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](http://www.hespl.co.in)  
Page 2 of 2

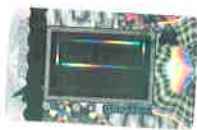
11	Pb	Annual*	0.50	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	1.0				
12	Ozone	08 Hrs*	100	µg/m <sup>3</sup>	BDL	--	BDL
		01 Hr *	180				
13	Benzene	Annual*	05	µg/m <sup>3</sup>	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	ng/m <sup>3</sup>	BDL	--	BDL
15	Arsenic	Annual*	06	ng/m <sup>3</sup>	BDL	--	BDL
16	Nickel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

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*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.



Ambient Air Quality Monitoring  
Round I (11<sup>th</sup> & 12<sup>th</sup> Sep 23)  
(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 • 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/08233-08236
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/373
	SAMPLING DATE	11&12/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	13/09/2023
	END DATE OF ANALYSIS	16/09/2023
	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				
				11/09/2023	11&12/09/2023	11/09/2023	11&12/09/2023	
01	DATE OF SAMPLING			11/09/2023	11&12/09/2023	11/09/2023	11&12/09/2023	
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*	60	µg/m <sup>3</sup>	30.19	40.37	28.63	42.31
		24 Hrs**	100					
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	16.71	20.61	14.12	21.61
		24 Hrs**	60					
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL
		24 Hrs**	80					
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	13.21	12.13	9.31	13.10
		24 Hrs**	80					
09	CO (1 hour)	08 Hrs*	2.0	mg/m <sup>3</sup>	0.091	0.099	0.090	0.070
		01 Hr**	4.0					
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	--	BDL	---	BDL
		24 Hrs**	400					

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.



**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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Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	--	BDL	---	BDL
		24 Hrs**	1.0					
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
		01 Hr *	180					
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	--	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	--	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	--	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)

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

**DISCLAIMER:**

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- Above results indicate to the parameters mentioned only.
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- The effect of results relate only to the item tested.



Ambient Air Quality Monitoring  
Round II (25<sup>th</sup> & 26<sup>th</sup> Sep/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 2  
HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/08972-08974
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308.	REPORT DATE	03/10/2023
	LAB REFERENCE NO.	HS/LAB/AA/405
	SAMPLING DATE	25&26/09/2023
	SAMPLE RECEIPT DATE	27/09/2023
	START DATE OF ANALYSIS	27/09/2023
	END DATE OF ANALYSIS	02/10/2023
	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				25&26/09/2023	25/09/2023	25&26/09/2023
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*	60	µg/m <sup>3</sup>	38.72	27.31	35.19
		24 Hrs**	100				
05	PM <sub>2.5</sub>	Annual*	40	µg/m <sup>3</sup>	19.12	14.23	17.52
		24 Hrs**	60				
07	SO <sub>2</sub>	Annual*	50	µg/m <sup>3</sup>	BDL	BDL	BDL
		24 Hrs**	80				
08	NO <sub>2</sub>	Annual*	40	µg/m <sup>3</sup>	11.56	13.10	14.31
		24 Hrs**	80				
09	CO	08 Hrs*	2.0	mg/m <sup>3</sup>	0.080	0.088	0.099
		01 Hr**	4.0				
10	NH <sub>3</sub>	Annual*	100	µg/m <sup>3</sup>	BDL	--	BDL
		24 Hrs**	400				

**DISCLAIMER :**

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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 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in  
Page 2 of 2

11	Pb	Annual*	0.50	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
		24 Hrs**	1.0				
12	Ozone	08 Hrs*	100	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
		01 Hr *	180				
13	Benzene	Annual*	05	$\mu\text{g}/\text{m}^3$	BDL	--	BDL
14	Benzo(a)Pyrene	Annual*	01	$\text{ng}/\text{m}^3$	BDL	--	BDL
15	Arsenic	Annual*	06	$\text{ng}/\text{m}^3$	BDL	--	BDL
16	Nickel	Annual*	20	$\text{ng}/\text{m}^3$	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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

**DISCLAIMER :**

- Sample will be retained only for 15 days.
- Above results indicate to the parameters mentioned only.
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- The effect of results relate only to the item tested.

*Forming Day - 44 QM Reports. (Apr - Steel 23)*

*Annexure II*

**Ambient Air Quality Monitoring Reports (Apr-Jun 23)**

S.No.	Description Name of Location	NAAQS Limit	UOM	Results															
				Main Gate (Near Weigh Bidge Cabin)			Dormitory Area			Utility Area (CGL Entry Elec. Room )			ACL-Main Gate						
		Monthwise Average Sampling		Apr'23	May'23	Jun'23	Average	Apr'23	May'23	Jun'23	Average	Apr'23	May'23	Jun'23	Average				
1	Parameters																		
2	PM <sub>10</sub>	100	µg/m <sup>3</sup>	41.145	35.2	41.415	39.253	44.195	62.1	49.77	52.022	35.32	31.02	39.42	35.253	48.52	65.28	72.13	61.977
3	PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	20.005	18.46	21.465	19.977	22.115	29.86	24.665	25.5467	18.325	17.06	19.19	18.192	24.31	33.1	38.34	31.917
4	SO <sub>2</sub>	80	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
5	NOX	80	µg/m <sup>3</sup>	10.24	13.01	14.355	12.535	11.2	15.2	14.74	13.713	9.425	13.2	12.2	11.608	12.05	17.13	18.03	15.737
6	CO (1Hour)	0.4	mg/m <sup>3</sup>	0.081	0.079	0.094	0.085	0.096	0.091	0.094	0.094	0.106	0.089	0.092	0.096	BDL	0.069	0.075	0.072
7	NH <sub>3</sub>	400	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8	Pb	1	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	Ozone	180	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10	Benzene	5	µg/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11	Benzo(a)Pyrene	1	ng/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
12	Arsenic	6	ng/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13	Nickel	20	ng/m <sup>3</sup>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Authorized Signatory  
For POSCO Maharashtra Steel Pvt. Ltd.



Mr. Atin N. Raut  
AGM-EHS

PMSPL/ENV/MPCB/AAQM/06/2023

Date: 27<sup>th</sup> September 2023

To,  
The Sub-Regional Officer,  
Maharashtra Pollution Control Board,  
CFC Building, MIDC Mahad, Raigad

*Aek. Copy of "Fortnightly AAQM Reports  
July 23 & Aug '23*

**Sub-Submission of Fortnightly Ambient Air Quality Monitoring Reports (Period from Jul'23~Aug'23)**

**Respected Madam,**

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

**Details are as follows:**

**Ambient Air Quality Monitoring Reports ( Jul~Aug'23 )**

S.N	Name of Place	NAAQS Limit	UOM	Results											
				Main Gate (Near Weigh Bridge Cabin)			Dormitory Area			Utility Area (CGL Entry Elec. Room )			ACL-Main Gate		
	Parameters	Monthwise Average Sampling		July 23	August 23	Avg	July 23	August 23	Avg	July 23	August 23	Avg	July 23	August 23	Avg
2	PM <sub>10</sub>	100	µg/m <sup>3</sup>	35.460	30.510	<b>35.460</b>	32.85	30.245	<b>33.503</b>	35.3	32.47	<b>34.85</b>	35.6	39.67	<b>37.6</b>
3	PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	16.440	15.645	<b>16.440</b>	15.6	16.135	<b>15.810</b>	16.045	16.345	<b>15.98</b>	18.2	20.13	<b>19.1</b>
4	SO <sub>2</sub>	80	µg/m <sup>3</sup>	BDL	BDL	<b>BDL</b>	BDL	BDL	<b>BDL</b>	BDL	BDL	<b>BDL</b>	BDL	BDL	<b>BDL</b>
5	NOX	80	µg/m <sup>3</sup>	11.585	12.160	<b>11.580</b>	11.24	12.34	<b>11.325</b>	10.665	11.64	<b>10.82</b>	15.2	12.1	<b>13.6</b>
6	CO (1Hr)	0.4	mg/m <sup>3</sup>	0.081	0.089	<b>0.081</b>	0.084	0.0825	<b>0.083</b>	0.093	0.085	<b>0.060</b>	0.07	0.078	<b>0.07</b>

**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 Apr~Jun'23).



*Signature*  
27.09.23  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 40230

PMSPL/ENV/MPCB/AAQM/10/2023

Date: 30<sup>th</sup> October 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 for Month September 2023)**

**Respected Madam,**

With reference to above subject, we would like to submit herewith Ambient Air Quality Monitoring Report [AAQM] **(Period for Month September 2023)** as pe The National Ambient Air Quality Standard (NAAQS)-CENTRAL POLLUTION CONTROL BOARD NOTIFICATION New Delhi, the 18th November, 2009.

**Details are as follows:**

Ambient Air Quality Monitoring Reports (Period for Month September 2023)														
S.N	Name of Place	NAAQS Limit	UOM	Results										
				Main Gate (Near Weigh Bridge Cabin)			Dormitory Area			Utility Area (CGL Entry Elec. Room )			ACL-Main Gate	
		Monthwise Average Sampling		11 <sup>th</sup> Sep'23	25 <sup>th</sup> & 26 <sup>th</sup> Sep'23	Avg	11 <sup>th</sup> & 12 <sup>th</sup> Sep'23	25 <sup>th</sup> Sep'23	Avg	11 <sup>th</sup> Sep'23	25 <sup>th</sup> & 26 <sup>th</sup> Sep'23	Avg	11 <sup>th</sup> & 12 <sup>th</sup> Sep'23	Avg
2	PM <sub>10</sub>	100	µg/m <sup>3</sup>	30.19	38.72	<b>34.45</b>	40.37	27.31	<b>33.84</b>	28.63	35.19	<b>31.91</b>	42.31	<b>42.31</b>
3	PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	16.71	19.12	<b>17.91</b>	20.61	14.23	<b>17.42</b>	14.12	17.52	<b>15.82</b>	21.61	<b>21.61</b>
4	SO <sub>2</sub>	80	µg/m <sup>3</sup>	BDL	BDL	<b>BDL</b>	BDL	BDL	<b>BDL</b>	BDL	BDL	<b>BDL</b>	BDL	<b>BDL</b>
5	NOX	80	µg/m <sup>3</sup>	13.21	11.56	<b>12.38</b>	12.13	13.10	<b>12.61</b>	9.31	14.31	<b>11.81</b>	13.10	<b>13.10</b>
6	CO (1Hr)	0.4	mg/m <sup>3</sup>	0.091	0.080	<b>0.085</b>	0.099	0.088	<b>0.093</b>	0.090	0.099	<b>0.094</b>	0.070	<b>0.070</b>

**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

**Authorized Signatory**

**For POSCO Maharashtra Steel Pvt. Ltd.**

  
**Mr. Atin N. Raut**  
AGM-EHS



  
03/11/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402309

**Enclosure:**

▪ **Reports Copy of Fortnightly Ambient Air Quality Monitoring Reports (Period for Month September 2023)**

*Ambient Air Quality Monitoring Reports (AARs) (July-Sep'23)*

**Ambient Air Quality Monitoring Reports (Jul-Sep'23)**

S.No.	Description Name of Location	NAAQS Limit	UOM	Results				Dormitory Area				Utility Area (CGL Entry Elec. Room)				ACL-Main Gate			
				Main Gate (Near Weigh Bldge Cabin)		Dormitory Area		Utility Area (CGL Entry Elec. Room)		ACL-Main Gate									
1	Parameters	Monthwise Average Sampling		Jul'23	Aug'23	Sep'23	Average	Jul'23	Aug'23	Sep'23	Average	Jul'23	Aug'23	Sep'23	Average	Jul'23	Aug'23	Sep'23	Average
2	PM <sub>10</sub>	100	µg/m <sup>3</sup>	35.46	35.460	34.45	<b>35.123</b>	32.85	33.987	33.84	<b>33.559</b>	35.300	34.4294	31.910	<b>33.880</b>	35.630	39.670	42.310	<b>39.203</b>
3	PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	16.44	16.440	17.91	<b>16.930</b>	15.6	16.265	17.42	<b>16.428</b>	16.04	16.2342	15.82	<b>16.031</b>	18.23	20.13	21.61	<b>19.990</b>
4	SO <sub>2</sub>	80	µg/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
5	NOX	80	µg/m <sup>3</sup>	11.58	11.580	12.38	<b>11.847</b>	11.24	11.543	12.61	<b>11.798</b>	10.66	11.2289	11.81	<b>11.233</b>	15.23	12.1	13.1	<b>13.477</b>
6	CO (1Hour)	0.4	mg/m <sup>3</sup>	0.081	0.081	0.086	<b>0.083</b>	0.084	0.0833	0.093	<b>0.087</b>	0.093	0.08989	0.094	<b>0.092</b>	0.07	0.078	0.07	<b>0.072667</b>
7	NH <sub>3</sub>	400	µg/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
8	Pb	1	µg/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
9	Ozone	180	µg/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
10	Benzene	5	µg/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
11	Benzol(a)Pyrene	1	ng/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
12	Arsenic	6	ng/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>
13	Nickel	20	ng/m <sup>3</sup>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>	BDL	BDL	BDL	<b>BDL</b>

Authorized Signatory  
For POSCO Maharashtra Steel Pvt. Ltd



Mr. Atin N. Raut  
AGM-EHS

# Ambient Air Quality Monitoring Reports (Apr ~ Sep 23)

Ambient Air Quality Monitoring Reports (Apr ~ Sep 23)

S.No.	Description Name of Location	NAAQS Limit	UOM	Results																											
				Main Gate (Near Weigh Bridge Cabin)																											
				Dormitory Area																											
				Utility Area (Cell Entry-Elec. Room)																											
				AC-Main Gate																											
1	Parameters	Monthwise Average Sampling		Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Average	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Average	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Average							
2	PM <sub>10</sub>	100	µg/m <sup>3</sup>	41.145	35.2	41.42	35.46	35.40	34.45	37.18	44.195	62.1	49.77	32.85	33.99	33.84	42.79	35.32	31.02	39.42	35.300	34.42	31.970	34.57	48.52	65.28	72.13	35.630	39.670	42.310	50.6
3	PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	20.0	18.5	21.5	16.4	17.9	17.9	18.7	22.115	29.86	24.655	15.6	16.27	17.42	20.99	18.325	17.06	19.19	16.04	16.23	15.82	17.11	24.31	33.1	38.34	18.23	20.13	21.61	26.0
4	SO <sub>2</sub>	80	µg/m <sup>3</sup>	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
5	NOX	80	µg/m <sup>3</sup>	10.24	13.01	14.36	11.58	12.38	12.38	12.32	11.2	15.2	14.74	11.24	11.54	12.61	12.76	9.425	13.2	12.2	10.66	11.22	11.81	11.42	12.05	17.13	18.03	15.23	12.1	13.1	14.61
6	CO (1Hour)	0.4	mg/m <sup>3</sup>	0.081	0.079	0.094	0.081	0.086	0.086	0.084	0.096	0.091	0.094	0.084	0.089	0.093	0.091	0.106	0.089	0.092	0.093	0.089	0.094	0.094	BDL	0.069	0.075	0.07	0.078	0.07	BDL
7	NH <sub>3</sub>	400	µg/m <sup>3</sup>	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
8	Pb	1	µg/m <sup>3</sup>	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
9	Ozone	180	µg/m <sup>3</sup>	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
10	Benzene	5	µg/m <sup>3</sup>	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
11	Benzofluoranthene	1	ng/m <sup>3</sup>	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
12	Benzo(a)Pyrene	1	ng/m <sup>3</sup>	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
13	Arsenic	6	ng/m <sup>3</sup>	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
14	Nickel	20	ng/m <sup>3</sup>	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

Authorized Signatory  
For POSCO Maharashtra Steel Pvt. Ltd.

Mr. Atin N. Raut



POSCO MAHARASHTRA STEEL PRIVATE LIMITED



PMSPL/ENV/MPCB/CGL-CTO/Comp-02/2023

Date: 17<sup>th</sup> July, 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 (April to June 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 **Apr~Jun, 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 Apr~ Jun 2023].
2	Annexure IIA	Analysis Report of Effluent Treatment Plant details (CGL-Plant). [Period From Apr~ Jun 2023].
	Annexure IIB	Analysis Report of WWTP from External MoEF approved Lab. Reports along with Drinking Water & Ground Water Sample analysis reports respectively.[Period From Apr~ Jun 2023].
	Annexure IIC	Posco Maharashtra-Internal Lab. Reports [Period From Apr~ Jun 2023].
3	Annexure III	CGL-Air (Source Emission) Stack Monitoring Reports for Period April 2023.
4	Annexure IV	Non-Hazardous Waste disposal Details. [Period From Apr~ Jun 2023].
5	Annexure V	Acknowledgement copy of Last Quarterly Statement [Period From Jan~ Mar, 2023].
6	Annexure VI	Ambient Air Quality Monitoring Composite Reports (AAQM) for Period From Apr~ Jun 2023 as per NAQM standard 2009 through MoEF approved Laboratory.
7	Annexure VIIA	Hazardous Waste disposal Details. [Period From Apr~ Jun 2023].
	Annexure VIIB	Intimation of Hz waste disposal to MPCB. [Period From Apr~ Jun 2023].
	Annexure VIIC	CGL-Annual Returns Form-IV_submitted on MPCB Portal on 16 <sup>th</sup> June 2023.
8	Annexure VIII	Ack. copy of Half Yearly EC Compliance Conditions Report (Period From Dec,2022~May,2023)
9	Annexure IX	Reports of Work zone Air, Noise & Ambient Noise Level Monitoring [Period From Apr~ Jun 2023].
10	Annexure X	CGL-ETP Electricity Consumption details [Period From Apr~ Jun 2023].
11	Annexure XI	Ack. Copy of submitted "Tree Plantation & Life style for Environment 2023" Report.
12	Annexure XII	Environmental Audit Report (Form-V) for FY: 2021-22 submitted on MPCB Portal on 29 <sup>th</sup> Sep'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**  
AGM - EHS

**Authorized Signatory**



*27/07/2023*  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 40230.

PMSPL/ENV/MPCB/CGL-CTO/Comp-03/2023

Date: 31<sup>st</sup> October 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 (July ~September 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 Jul~Sep'23 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 3 <sup>rd</sup> [Period from Jul ~Sep 2023]
2	Annexure IIA	Analysis Report of Effluent Treatment Plant details (CGL-Plant). [Period from Jul ~Sep 2023]
	Annexure IIB	MPCB JVS Sampling Reports & External Laboratory approved by MoEF Reports along with Drinking Water & Ground Water Sample analysis reports respectively & Posco Maharashtra Internal Lab. Reports. [Period Jul~Sep'23].
3	Annexure III	CGL-Air (Source Emission) Stack Monitoring Reports for Period July 2023.
4	Annexure IV	Non-Hazardous Waste disposal Details. [Period from Jul ~Sep 2023]
5	Annexure V	Acknowledgement copy of Last Quarterly Statement [Period from Apr~Jun'23]
6	Annexure VI	Ambient Air Quality Monitoring Composite Reports (AAQM) for Period from Jul ~Sep 2023 as per NAQM standard 2009 through MoEF approved Laboratory.
7	Annexure VIIA	Hazardous Waste disposal Details. [Period from Jul ~Sep 2023]
	Annexure VIIB	Intimation of Hz waste disposal to MPCB. [Period from Jul ~Sep 2023]
	Annexure VIIC	CGL-Annual Returns Form-IV submitted on MPCB Portal on 16 <sup>th</sup> June 2023.
8	Annexure VIII	Ack. copy of Half Yearly EC Compliance Conditions Report (Period From Dec,2022~May,2023)
9	Annexure IX	Reports of Work zone Air & Ambient Noise Level Monitoring [Period from Jul~Sep'23]
10	Annexure X	CGL-ETP Electricity Consumption details [Period from Jul ~Sep 2023]
11	Annexure XI	Ack. Copy of submitted "Tree Plantation & Life style for Environment 2023" Report.
12	Annexure XII	Environmental Audit Report (Form-V) for FY: 2022-23 submitted on MPCB Portal on 25 <sup>th</sup> Sep'23.

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.**

*(Handwritten Signature)*



**Mr. Atin N. Raut**  
AGM - EHS

*(Handwritten Signature)*  
03/11/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402309

□ Report on Utilization of Rain Water for Cooling tower makeup



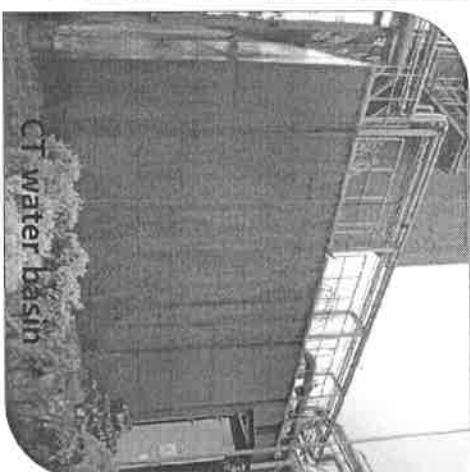
□ Background:

- Rain Water Harvesting Systems capture Rain water by directing it from large surfaces (e.g. roofs) to an underground holding tank.
- It's combination of Filter bed, Activated carbon bed and bag filters for control on Suspended solids.
- Location of plant- Storm drain ACL Plant Area. [Capacity of plant:15~20 KL/Hr].
- Rain water used for Cooling Tower makeup.

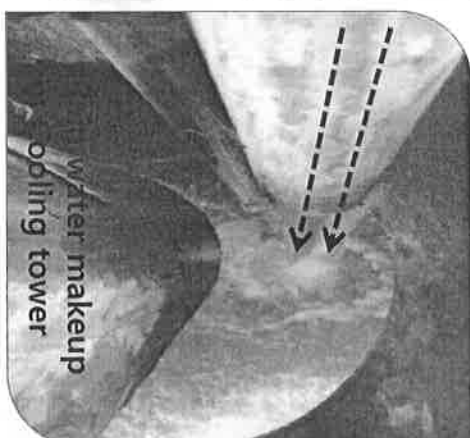
□ Rain Water Harvesting Plant:



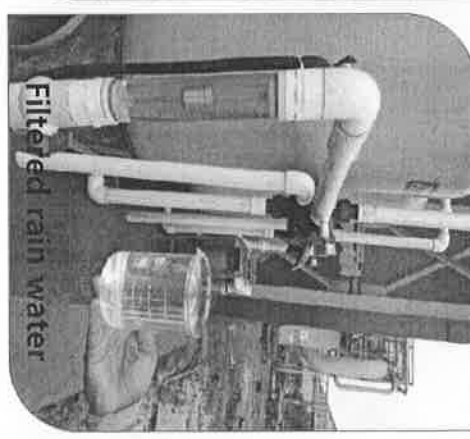
Water Filter plant



CF water basin



Water makeup cooling tower



Filtered rain water

□ Water Quality of Rain Water:

Date	pH	Conductivity	TDS	Chloride	Turbidity	Silica
		µs/cm	mg/l	mg/l	NTU	mg/l
25-June-23	8.09	149	75	33.9	10.77	6.2
29-Jul-23	7.37	72.4	37	16.29	11	4
12-Aug-23	7.29	234	115	31.62	10.9	5.8

□ Cooling Water Parameters:

Parameter	units	Range
pH		6.6 ~8.6
Conductivity	µs/cm	1000 max
Turbidity	NTU	30 MAX
Fe	mg/l	Less than 3
Phosphate	mg/l	6 - 12

※ Benefits:

- Rainwater Quality is suitable for Cooling tower make-up. Which will reduce MIDC water consumption.
- Rain water Qty – Daily- 80M3 , Monthly – 70M3. **Total -5600M<sup>3</sup>**. Cost of MIDC water/KL- INR 17.20
- Monsoon saving (Jun~Oct '23) **INR 96,320/-**
- Compliance of Consent condition & step towards sustainable use of natural resource.



Workzone Noise Level Monitoring

CGL-Line (May'23)

Annexure-IV

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

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/02149
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	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	--
	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**

SR. NO.	DESCRIPTION	UNIT	RESULTS	FACTORIES ACT LIMITS
	<b>TEST LOCATIONS</b>		<b>Day Time 10:00 Hrs.</b>	
<b>E.</b>	<b>CGL LINE</b>			
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
<b>F.</b>	<b>CGL UTILITY</b>			
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
<b>G.</b>	<b>CGL ENTRY LAB</b>			
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

**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 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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**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)**

\*\*\*\*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.



Ambient Noise Level Monitoring  
Acl - Main Gate 12<sup>th</sup> & 13<sup>th</sup> 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.

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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/00943
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/04/2023
	LAB REFERENCE NO.	HS/LAB/AA/030
	SAMPLING DATE	12&13/04/2023
	SAMPLE RECEIPT DATE	14/04/2023
	START DATE OF ANALYSIS	--
	END DATE OF ANALYSIS	--
	SAMPLING REF. / SOP NO.	HS/NABL/Amb-noise/01

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	SAMPLE CONDITION	NATURE	LOCATION
Ambient Noise	Horizon Services	--	--	--	ACL Main Gate

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	12/04/2023	14:03	dB(A)	71.9	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
2	12/04/2023	15:03	dB(A)	75.2	--	
3	12/04/2023	16:03	dB(A)	77.4	--	
4	12/04/2023	17:03	dB(A)	77.8	--	
5	12/04/2023	18:03	dB(A)	76.5	--	
6	12/04/2023	19:03	dB(A)	76.2	--	
7	12/04/2023	20:03	dB(A)	73.1	--	
8	12/04/2023	21:03	dB(A)	66.1	--	
9	12/04/2023	22:03	dB(A)	62.6	--	
10	12/04/2023	23:03	dB(A)	63.7	--	
11	13/04/2023	00:03	dB(A)	60.6	--	
12	13/04/2023	01:03	dB(A)	61.2	--	
13	13/04/2023	02:03	dB(A)	62.1	--	
14	13/04/2023	03:03	dB(A)	62.4	--	
15	13/04/2023	04:03	dB(A)	64.3	--	

**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 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

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16	13/04/2023	05:03	dB(A)	62.5	--
17	13/04/2023	06:03	dB(A)	61.6	--
18	13/04/2023	07:03	dB(A)	63.5	--
19	13/04/2023	08:03	dB(A)	60.3	--
20	13/04/2023	09:03	dB(A)	63.1	--
21	13/04/2023	10:03	dB(A)	65.7	--
22	13/04/2023	11:03	dB(A)	66.0	--
23	13/04/2023	12:03	dB(A)	69.6	--
24	13/04/2023	13:03	dB(A)	70.5	--
			<b>Day Time</b>		
			<b>(Leq)</b>	69.74	--
			<b>L10</b>	70.9	--
			<b>L50</b>	61.2	--
			<b>L90</b>	57.7	--
			<b>Lmax</b>	92.1	--
			<b>Lmin</b>	54.2	--
			<b>Night Time</b>		--
			<b>(Leq)</b>	62.29	--
			<b>L10</b>	63.2	--
			<b>L50</b>	58.3	--
			<b>L90</b>	54.9	--
			<b>Lmax</b>	82.2	--
			<b>Lmin</b>	52.6	--

**Instrument Used:** DIGITAL Sound Level Meter-4(data logging) Q666937

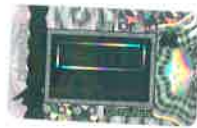
**Make.** Lutron Make

**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)

\*\*\*\*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.



Ambient Noise Level Monitoring  
Main Gate - 26th & 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 • 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

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

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

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	26/04/2023	17:00	dB(A)	72.5	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
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	--	
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	--	
9	27/04/2023	01:00	dB(A)	69.0	--	
10	27/04/2023	02:00	dB(A)	69.4	--	
11	27/04/2023	03:00	dB(A)	68.7	--	
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	--	

**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 is conducted only for the purpose of the test and not for any other purpose without the permission of the client. • The effect of results relate only to the item tested.



**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

Page 2 of 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	---
			<b>Day Time</b>		
			<b>(Leq)</b>	71.14	--
			<b>L10</b>	72.4	--
			<b>L50</b>	69.4	--
			<b>L90</b>	67.1	--
			<b>Lmax</b>	89.8	--
			<b>Lmin</b>	63.3	--
			<b>Night Time</b>		--
			<b>(Leq)</b>	68.35	--
			<b>L10</b>	69.3	--
			<b>L50</b>	67.1	--
			<b>L90</b>	65.7	--
			<b>Lmax</b>	88.0	--
			<b>Lmin</b>	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)

\*\*\*\*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.



Ambient Noise Monitoring

5th & 6th Jun'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 2

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/03252
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	12/06/2023
	LAB REFERENCE NO.	HS/LAB/AA/143
	SAMPLING DATE	05&06/06/2023
	SAMPLE RECEIPT DATE	07/06/2023
	START DATE OF ANALYSIS	--
	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	--	--	Dormitory Area

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	05/06/2023	13:30	dB(A)	66.8	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
2	05/06/2023	14:30	dB(A)	67.7	--	
3	05/06/2023	15:30	dB(A)	69.2	--	
4	05/06/2023	16:30	dB(A)	62.9	--	
5	05/06/2023	17:30	dB(A)	63.5	--	
6	05/06/2023	18:30	dB(A)	63.4	--	
7	05/06/2023	19:30	dB(A)	65.5	--	
8	05/06/2023	20:30	dB(A)	60.0	--	
9	05/06/2023	21:30	dB(A)	66.3	--	
10	05/06/2023	22:30	dB(A)	64.3	--	
11	05/06/2023	23:30	dB(A)	64.1	--	
12	06/06/2023	00:30	dB(A)	62.9	--	
13	06/06/2023	01:30	dB(A)	60.0	--	
14	06/06/2023	02:30	dB(A)	59.8	--	
15	06/06/2023	03:30	dB(A)	60.7	--	

**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 only be used for analytical identification conducted without tampering of test. • The effect of results relate only to the item tested.



**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

16	06/06/2023	04:30	dB(A)	59.7	--
17	06/06/2023	05:30	dB(A)	62.3	--
18	06/06/2023	06:30	dB(A)	68.0	--
19	06/06/2023	07:30	dB(A)	65.7	--
20	06/06/2023	08:30	dB(A)	64.8	--
21	06/06/2023	09:30	dB(A)	72.1	--
22	06/06/2023	10:30	dB(A)	71.9	--
23	06/06/2023	11:30	dB(A)	70.1	--
24	06/06/2023	12:30	dB(A)	69.7	--
			<b>Day Time</b>		
			<b>(Leq)</b>	66.73	--
			<b>L10</b>	66.7	--
			<b>L50</b>	62.7	--
			<b>L90</b>	60.8	--
			<b>Lmax</b>	83.2	--
			<b>Lmin</b>	57.9	--
			<b>Night Time</b>		
			<b>(Leq)</b>	61.7	--
			<b>L10</b>	65.5	--
			<b>L50</b>	61.7	--
			<b>L90</b>	60.2	--
			<b>Lmax</b>	80.8	--
			<b>Lmin</b>	58.7	--

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

**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)

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

**DISCLAIMER:**

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Ambient Noise Monitoring.  
Main Gate - 26 & 27<sup>th</sup> Jul'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 2  
HS/LAB/NABL/F/7.8.2.1

<b>CLIENT'S NAME &amp; ADDRESS</b>  M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	<b>REPORT NO</b>	HS/LAB/AA/05988
	<b>REPORT DATE</b>	02/08/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/AA/273
	<b>SAMPLING DATE</b>	26&27/07/2023
	<b>SAMPLE RECEIPT DATE</b>	28/07/2023
	<b>START DATE OF ANALYSIS</b>	--
	<b>END DATE OF ANALYSIS</b>	--
	<b>SAMPLING REF. / SOP NO.</b>	HS/NABL/Amb-noise/01

DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Ambient Noise	Horizon Services	--	--	P-MH Main Gate

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	26/07/2023	12:05	dB(A)	69.9	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
2	26/07/2023	13:05	dB(A)	70.1	--	
3	26/07/2023	14:05	dB(A)	72.3	--	
4	26/07/2023	15:05	dB(A)	73.3	--	
5	26/07/2023	16:05	dB(A)	74.4	--	
6	26/07/2023	17:05	dB(A)	69.9	--	
7	26/07/2023	18:05	dB(A)	67.4	--	
8	26/07/2023	19:05	dB(A)	62.2	--	
9	26/07/2023	20:05	dB(A)	62.2	--	
10	26/07/2023	21:05	dB(A)	64.1	--	
11	26/07/2023	22:05	dB(A)	64.5	--	
12	26/07/2023	23:05	dB(A)	62.2	--	
13	27/07/2023	00:05	dB(A)	69.4	--	
14	27/07/2023	01:05	dB(A)	63.3	--	
15	27/07/2023	02:05	dB(A)	65.4	--	

**DISCLAIMER:**

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- 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 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

Page 2 of 2

16	27/07/2023	03:05	dB(A)	63.3	--
17	27/07/2023	04:05	dB(A)	68.2	---
18	27/07/2023	05:05	dB(A)	65.5	---
19	27/07/2023	06:05	dB(A)	63.8	---
20	27/07/2023	07:05	dB(A)	65.2	--
21	27/07/2023	08:05	dB(A)	62.9	---
22	27/07/2023	09:05	dB(A)	67.4	--
23	27/07/2023	10:05	dB(A)	67.4	--
24	27/07/2023	11:05	dB(A)	70.5	---
			<b>Day Time</b>		
			<b>(Leq)</b>	67.69	--
			<b>L10</b>	70.3	--
			<b>L50</b>	66.5	---
			<b>L90</b>	64.3	---
			<b>Lmax</b>	90.1	---
			<b>Lmin</b>	61.0	--
			<b>Night Time</b>		---
			<b>(Leq)</b>	65.23	--
			<b>L10</b>	69.6	--
			<b>L50</b>	64.6	--
			<b>L90</b>	61.6	--
			<b>Lmax</b>	86.3	--
			<b>Lmin</b>	58.2	--

**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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*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.



Ambient Noise Level Monitoring

10th Aug'23.  
G.M

**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

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/AA/06806
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	18/08/2023
	LAB REFERENCE NO.	HS/LAB/AA/309
	SAMPLING DATE	10/08/2023
	SAMPLE RECEIPT DATE	12/08/2023
	START DATE OF ANALYSIS	--
	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	--	--	Utility Area (CGL Entry Electrical Room Top)

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	10/08/2023	12:45	dB(A)	65.4	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
2	10/08/2023	13:45	dB(A)	67.8	--	
3	10/08/2023	14:45	dB(A)	63.4	--	
4	10/08/2023	15:45	dB(A)	53.9	--	
5	10/08/2023	16:45	dB(A)	60.4	--	
6	10/08/2023	17:45	dB(A)	66.5	--	
7	10/08/2023	18:45	dB(A)	63.9	--	
8	10/08/2023	19:45	dB(A)	62.2	--	
9	10/08/2023	20:45	dB(A)	58.8	--	
10	10/08/2023	21:45	dB(A)	62.7	--	
11	10/08/2023	22:45	dB(A)	63.3	--	
12	10/08/2023	23:45	dB(A)	60.1	--	
13	11/08/2023	00:45	dB(A)	58.9	--	
14	11/08/2023	01:45	dB(A)	54.8	--	
15	11/08/2023	02:45	dB(A)	52.9	--	

**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.

**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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16	11/08/2023	03:45	dB(A)	56.7	--
17	11/08/2023	04:45	dB(A)	63.3	--
18	11/08/2023	05:45	dB(A)	66.8	---
19	11/08/2023	06:45	dB(A)	59.6	---
20	11/08/2023	07:45	dB(A)	68.7	---
21	11/08/2023	08:45	dB(A)	65.7	--
22	11/08/2023	09:45	dB(A)	66.8	---
23	11/08/2023	10:49	dB(A)	69.7	--
24	11/08/2023	11:45	dB(A)	72.1	---
			<b>Day Time</b>		
			<b>(Leq)</b>	64.48	---
			<b>L10</b>	66.9	---
			<b>L50</b>	63.8	---
			<b>L90</b>	60.1	---
			<b>Lmax</b>	79.4	--
			<b>Lmin</b>	52.3	--
			<b>Night Time</b>		
			<b>(Leq)</b>	59.09	---
			<b>L10</b>	62.3	---
			<b>L50</b>	58.4	---
			<b>L90</b>	56.2	---
			<b>Lmax</b>	68.4	---
			<b>Lmin</b>	50.1	---

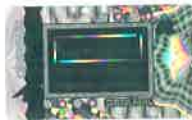
**Instrument Used:** DIGITAL Sound Level Meter (data logging) Q666934

**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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

**DISCLAIMER :**

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- 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 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

**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*	
		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.
  3. 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
  4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*manoj kumar*

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Ambient Noise - Sep 23  
Dormitory Area - CRM

Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)  
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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/08248
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	18/09/2023
	LAB REFERENCE NO.	HS/LAB/AA/373
	SAMPLING DATE	11/09/2023
	SAMPLE RECEIPT DATE	13/09/2023
	START DATE OF ANALYSIS	--
	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	--	--	Dormitory Area

**RESULTS**

SR. NO.	DESCRIPTION		UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
	DATE	TIME				
1	11/09/2023	12:45	dB(A)	70.5	--	Lab SOP Based on IS 9989-1981 / CPCB Protocol for Ambient Noise Level Monitoring July 2015, CPCB Regulation on Ambient Noise and Manufacturers Manual
2	11/09/2023	13:45	dB(A)	68.4	--	
3	11/09/2023	14:45	dB(A)	65.5	--	
4	11/09/2023	15:45	dB(A)	68.8	--	
5	11/09/2023	16:45	dB(A)	69.3	--	
6	11/09/2023	17:45	dB(A)	65.2	--	
7	11/09/2023	18:45	dB(A)	61.2	--	
8	11/09/2023	19:45	dB(A)	63.3	--	
9	11/09/2023	20:45	dB(A)	60.7	--	
10	11/09/2023	21:45	dB(A)	58.9	--	
11	11/09/2023	22:45	dB(A)	62.7	--	
12	11/09/2023	23:45	dB(A)	60.8	--	
13	12/09/2023	00:45	dB(A)	58.9	--	
14	12/09/2023	01:45	dB(A)	56.4	--	
15	12/09/2023	02:45	dB(A)	52.3	--	

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Page 2 of 2

16	12/09/2023	03:45	dB(A)	58.4	--
17	12/09/2023	04:45	dB(A)	57.9	--
18	12/09/2023	05:45	dB(A)	64.5	--
19	12/09/2023	06:45	dB(A)	65.2	--
20	12/09/2023	07:45	dB(A)	68.8	--
21	12/09/2023	08:45	dB(A)	64.4	--
22	12/09/2023	09:45	dB(A)	62.7	--
23	12/09/2023	10:45	dB(A)	66.8	--
24	12/09/2023	11:45	dB(A)	65.5	--
			<b>Day Time</b>		
			<b>(Leq)</b>	65.33	--
			<b>L10</b>	68.4	--
			<b>L50</b>	65.7	--
			<b>L90</b>	62.4	--
			<b>Lmax</b>	86.9	--
			<b>Lmin</b>	50.4	--
			<b>Night Time</b>		
			<b>(Leq)</b>	58.99	--
			<b>L10</b>	61.7	--
			<b>L50</b>	56.8	--
			<b>L90</b>	54.3	--
			<b>Lmax</b>	80.4	--
			<b>Lmin</b>	48.9	--

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

**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*

**MANISHA NARGOLKAR**  
**(Lab Incharge)**

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

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**Noise Annexure**

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*(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))

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

*M. N. Argal*

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PMSPL/ENV/MPCB/M-06/2023

Date: 28<sup>th</sup> June, 2023

To,  
**The Sub-Regional Officer,**  
Maharashtra Pollution Control Board,  
CFC building, MIDC Area, Mahad, Raigad.

**Sub: Submission of "Report on Celebration of World Environment Day & Monsoon Tree Plantation Drive 2023"**

Respected Sir,

We would like to inform you that we had Celebrated **World Environment Day** on 5<sup>th</sup> June 2023. On the occasion of WED our Top management, Posco-Employees, Posco-Family Companies Employees have been involved in **Tree Plantation Drive 2023**.

This year Posco Maharashtra have planned Fruits Tree Plantations (Total 6000Nos.) at Outside plant premises in 8-Gram panchyayati's including total 28 villages. Green Belt Area covered 1,58,977 M<sup>2</sup> i.e. 39.28 Acre Area.

Name of 8 Gram panchyayati's are as follows: Vile, Bhagad, Shiravali, Varchevadi, Kadape, Jite, Sanaswadi, Saje,

S. No.	Tree Plantations Area	Nos.	Tree Plantations Locations
1	Outside Posco Maharashtra Plant Premises	6000	8- Gram Panchyayati's including total 28 Village's.
2	Within Posco Maharashtra Plant Premises	2000	Posco Maharashtra (Within Plant Premises)
<b>Overall Total</b>		<b>8000</b>	

Details of Tree Plantation Drive are as follows:-

S.No.	Name of Trees	Height	Qty.	UOM	Location
1	Rose Gladiator	1.5'	250	Nos.	<ul style="list-style-type: none"> <li>All Tree plantations are done within Plant Premises.</li> <li>Green Belt Area (For Gap Filling).</li> <li>Forest Trees for Posco Maharashtra Boundary wall &amp; East Gate Area Plantation.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>Outside plant premises, we have planned Fruits Tree Plantations 6000Nos. in 8-Gram panchyayati's including total 28 villages. (Out of that till date we have planted 50% Trees)</li> </ul>
2	Bougainvella	1.5'	250	Nos.	
3	Lantena Red Yellow	1.5'	50	Nos.	
4	Golden Duranta	1.5'	1000	Nos.	
5	Bottle Palm	6-8'	50	Nos.	
6	Tecoma Orange Dwarf	2'	60	Nos.	
7	Jatropha	2.5-3'	50	Nos.	
8	Rose Apple	4'	30	Nos.	
9	Mini Ixora	1'	50	Nos.	
10	Mango	6-8'	30	Nos.	
11	Casia Fistula	6-8'	40	Nos.	
12	Jambhul	6-8'	20	Nos.	
13	Kadamba	6-8'	20	Nos.	
14	Neem Tree	2.5-3'	40	Nos.	
15	Papai Tree	2.5-3'	20	Nos.	
16	Papnis Fruit	2.5-3'	20	Nos.	

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt.Ltd.

*Atin N. Raut*  
Mr. Atin N. Raut  
AGM-EHS



**Attachments:**

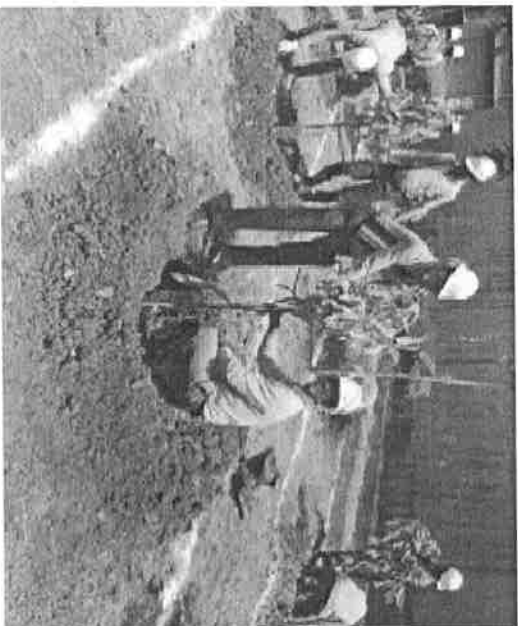
1. "World Environment Day (WED)" Report. 2. "Tree Plantation Drive" Report, 2023.

*Sauv*  
28/06/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402309.

# World Environment Day (WED)\_ Tree Plantation Activities



Tree Plantation by Hon' MD Sir  
(SIMS)



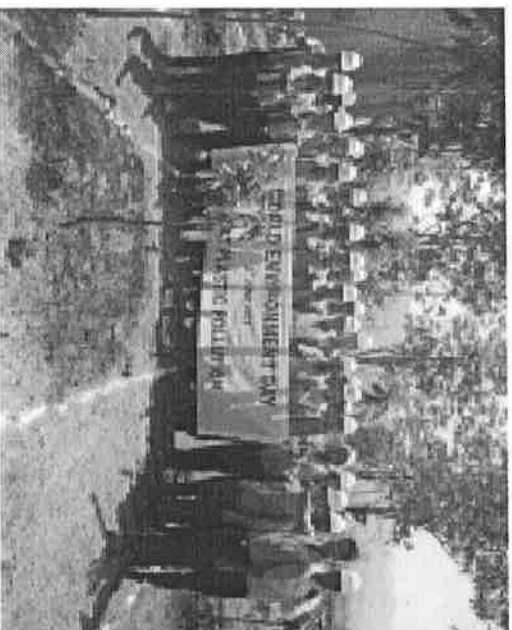
Tree Plantation by Hon' HOD Sir  
(HR-Operations)



Tree Plantation by Hon' HOD Sir  
(Production Control)



Tree Plantation by Hon' HOD Sir  
(ACL-Line )



Tree Plantation Celebration of World Environment Day 2023 –  
Group Photo Session



PMSPL/ENV-2/MPCB/M-06/2023

Date: 28<sup>th</sup> June, 2023

To,  
**The Sub-Regional Officer,**  
Maharashtra Pollution Control Board,  
CFC Building, MIDC Area, Mahad, Raigad.

**Sub: Submission of “Report on Life Lifestyle for Environment 2023”**

Respected Sir,

We are going to submit “Report on Life Lifestyle for Environment 2023” on 28<sup>th</sup> June 2023.

Background of Life Lifestyle for Environment 2023 is An India-led global mass movement to nudge individual and community action to protect and preserve the environment.

In 2022-23, Mission LiFE will focus on Phase I, Change in Demand, by nudging individuals, communities and institutions to practice simple environment-friendly actions (LiFE actions) in their daily lives.

In view of Mission LiFE being launched in the 75th year of India's independence, a comprehensive and non-exhaustive list of 75 individual LiFE actions across 7 categories is identified such that most actions are:

- Specific and measurable.
- Easy to practice by individuals, communities and institutions, with minimal supply-side dependencies.
- Non-disruptive to ongoing economic activity, and, in fact, promoting economic activity in the foreseeable future.

**Posco Maharashtra has been taken actions on following activities:**

- POSCO Pledges to Achieve Carbon Neutrality by 2050 And Lead Low Carbon Society.
- Installed Rain Water Harvesting for cooling Tower make up [Cap. Plant 15~20 KL/Hr.]
- Used of Solar Energy to reduce Electricity. [Installed 115Nos. Solar Panel, Energy Generated total 270KWH].
- Conservation & preservation of water consumption: Tap water saving through use of Jet Aerator in basin.
- Monitoring of NG & Power consumption to control CO<sub>2</sub> Emission.
- Replacement of Halogen Lamps to LED Bulbs / Tube-Lights. [Installed 1037Nos.]
- Monitoring of NG & Power consumption to control CO<sub>2</sub> Emission.
- Every year planted trees to reduce the impact of pollution. [This Year Target: 8000Nos.]
- Started Biodiversity conservation at community level.
- Used Bicycles for local or short commute (within premises).
- Switch-off Irrigation pump after used.
- Used drip irrigation systems created with waste materials, wherever possible.
- Used public transport within premises, wherever possible.
- Carried own drinking water stainless steel bottles & tea cups (which company provided to all employees). [Totally banned on single use plastic like Drinking water bottle, Tea plastic cups etc.]

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

**For POSCO Maharashtra Steel Pvt. Ltd.**

  
**Mr. Atin N. Raut**  
AGM-EHS



  
28/06/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402304

**Attachments:** Life\_Lifestyle for Environment 2023 Activities Reports.

PMSPL/EHS/MPCB/FORM-IV/06/2022-2023

Date: 19<sup>th</sup> June, 2023

To,

The Sub-Regional Officer,

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

**Subject: Submission of Hard copies of Hazardous Waste Annual Returns in FORM-IV (FY-2022-2023)**

**Ref: Submitted Hz Waste Annual Returns in FORM-IV on MPCB Portal for FY: 2022-2023 on 16<sup>th</sup> June, 2023**

Respected Sir,

With above reference, we had submitted **Hazardous Waste Annual Returns in FORM-IV (FY-2022-2023)** for CGL, CRM & ACL Plant on MPCB Online Portal on dated 16<sup>th</sup> June, 2023 for Statutory Compliance under The Hazardous & Other Waste (Management & Trans boundary Movement) Rules 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.  
(As per MPCB CTO SCHEDULE-IV: General Conditions: 26).

S. No.	Enclosure Contents
1	<b>CGL Plant:-</b> Hard copies of <u>Hazardous Waste Annual Returns in Form-IV</u> for CGL-Plant (For Financial Year 2022-2023) which was submitted on Online MPCB Portal on dated 16 <sup>th</sup> June, 2023. [Details of all Categories of Hz. Waste disposal data for the FY: 2022-2023].
2	<b>CRM Plant:-</b> Hard copies of <u>Hazardous Waste Annual Returns in Form-IV</u> for CRM-Plant (For Financial Year 2022-2023) which was submitted on Online MPCB Portal on dated 16 <sup>th</sup> June, 2023. [Details of all Categories of Hz. Waste disposal data for the FY: 2022-2023].
3	<b>ACL Plant:-</b> Hard copies of <u>Hazardous Waste Annual Returns in Form-IV</u> for ACL-Plant (For Financial Year 2022-2023) which was submitted on Online MPCB Portal on dated 16 <sup>th</sup> June, 2023. [Details of all Categories of Hz. Waste disposal data for the FY: 2022-2023].

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

Kindly acknowledge the receipt of the same.

Thanking You

Yours Truly

For POSCO Maharashtra Steel Pvt. Ltd.



Mr. Atin N. Raut

AGM- EHS

Saur  
28/06/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402300.



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Annual Return - CGL  
Form - IV - FY 2022-2023  
Annexure - VII B.

**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 preceding period April to march]

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000036598

**Submitted On:**

16-06-2023

**Industry Type :**

Generator

**Submitted for Year:**

2023

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

POSCO Maharashtra Steel Pvt. Ltd.

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

**1b. Authorization Number**

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

**Date of issue**

Apr 12, 2022

**Date of validity of consent**

Feb 28, 2027

**2. Name of the authorised person**

Mr. Bay In Kyo

**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**

inky.bae@posco.net

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	447877	Ton/Y
Iron & Steel	H2 Gas	204.0000	122.00	Ton/Y
Iron & Steel	N2 Gas	89280.0000	39344	Ton/Y

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

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

Type of hazardous waste	Waste Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Used Oil	24.000	9.64	MTA
6.3 Other residues from processing of zinc ash or skimmings	Zinc Dross	2400.000	1943.75	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	840.000	525.09	MTA
12.1 Acidic and alkaline residues	Alkali Sludge	48.000	40.63	MTA
	Waste Chrome solution (Chromic waste)	24.000	12.328	MTA
1.6 Spent catalyst and molecular sieves	Spent catalyst & molecular sieves	0.760	0.00	MTA



33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Discarded Containers, MS/HDPE drums, IBC's	6000.000	2940	numbers/anum
--	--	----------	------	--------------

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	9.64	MTA	Recycler or Actual user	M/s. Lubstar Petrochem Industries , C-29, MIDC Mahad.
6.3 Other residues from processing of zinc ash or skimmings	1943.75	MTA	Recycler or Actual user	M/s. Reliable Metal Refinery, 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	525.09	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF)
12.1 Acidic and alkaline residues	40.63	MTA	Disposal Facility	Mumbai Waste Management Ltd , P-32 Taloja MIDC (CHWTSDF).
	12.328	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	2940	numbers/anum	Recycler or Actual user	M/s. Jai Jalaram Trading Company, Plot No.: 380, Shree Malang Road, Bhalgaon, Tal-Ambarnath, Dist-Thane, 421306

3. Quantity Utilised in-house, If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0.00	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

6. Quantity incinerated (if applicable)

	UOM
NA	KL/Anum

**PART B: To be filled by 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		
Type	Quantity	UOM

Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum
5. Quantity incinerated (if applicable)	<b>UOM</b>	
NA	KL/Anum	
6. Quantity processed other than specified above	<b>UOM</b>	
NA	KL/Anum	
7. Quantity in storage at the end of the year.	<b>UOM</b>	
NA	KL/Anum	

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

1. Quantity of waste received during the year

<b>Waste Name/Category</b>	<b>Country Name</b>	<b>State Name</b>	<b>Quantity of waste received from domestic sources</b>	<b>Quantity of waste imported (if any)</b>	<b>Units</b>
NA	India	Maharashtra	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

<b>Waste Name/Category</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

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

<b>Name of Waste</b>	<b>Type of Waste</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

<b>Name of product</b>	<b>Quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

5. Total quantity of waste generated

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

6. Total quantity of waste disposed

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

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

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

<b>Type</b>	<b>Quantity</b>	<b>UOM</b>
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

10. Quantity incinerated (if applicable)

<b>UOM</b>
KL/Anum

Personal Details

<b>Place</b>	<b>Date</b>	<b>Designation</b>
Plot No- C-1 & C-1 Part, Vile-Bhagad MIDC, Mangaon, 402308	2023-06-16	Director/ Authorised Signatory

**Annexure - VA**

Annexure VI

**Details of Hazardous Waste Disposal (CGL Plant) – April~June 2023**

Sr. 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	346838	7.31	MT	13/04/2023	M/S. MWML (CHWTSDF) Taloja, Raigad.
2			351050	5.9	MT	24/04/2023	
3			352105	11.83	MT	27/04/2023	
4			354280	8.48	MT	4/5/2023	
5			358333	12.47	MT	15/05/2023	
6			361641	7.85	MT	24/05/2023	
7			363648	10.81	MT	29/05/2023	
8			366409	7.4	MT	6/6/2023	
9			369535	3.77	MT	13/6/2023	
10			370643	8.36	MT	16/6/2023	
11			372248	8.1	MT	20/06/2023	
12	Discarded containers / Barrels	33.1	347348	120	Nos.	14/04/2023	M/s. Jai Jalaram Trading Company. Plot No.: 380, Shree Malang Road, Bhalgaon, Tal-Ambarnath, Dist-Thane, 421306
13			348892	130	Nos.	20/04/2023	
14			352415	120	Nos.	28/04/2023	
15			360740	22	Nos.	22/05/2023	
16			364200	22	Nos.	30/05/2023	
17			369508	22	Nos.	13/06/2023	
18			371473	120	Nos.	19/06/2023	
19	372179	126	Nos.	20/06/2023			
20	Used Oil / Spent Oil	5.1	351146	3.400	MT	24/04/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Dist-Raigad, 402301
21	Chromic Waste	NA	356158	6.09	MT	9/5/2023	M/S. MWML (CHWTSDF) Taloja, Raigad.
22			358809	1.17	MT	16/5/2023	
23	Zinc Dross	6.3	345323	29.554	MT	10/4/2023	M/S. RUBAMIN PRIVATE LIMITED, R. S.No.115, Village-Pratappura, Tal-Halol, Panchmahal, Dist-Gujarat- 389350
24			345329	29.394	MT	10/4/2023	
25			347259	28.968	MT	14/4/2023	
26			347266	29.146	MT	14/4/2023	
27			350348	29.674	MT	21/4/2023	
28			352115	28.808	MT	27/4/2023	
29			352548	29.424	MT	28/4/2023	
30	Zinc Dross	6.3	355842	28.138	MT	8/5/2023	M/s. Navbharat Metallic Oxide Industries Pvt Ltd. Plot No. 6,7,8,9, Survey No. 482, Near Check Post, Village Dabhel, Daman, 396210
31			357271	28.214	MT	12/5/2023	
32			358342	24.622	MT	15/5/2023	
33			360727	28.176	MT	22/05/2023	
34			362609	24.536	MT	26/05/2023	
35			364197	24.716	MT	30/05/2023	
36			364203	29.372	MT	30/05/2023	
37			372185	29.252	MT	20/06/2023	
38			373101	29.88	MT	22/06/2023	

39			375904	27.14	MT	30/06/2023	
40	Zinc Dross	6.3	370655	28.316	MT	16/06/2023	M/S. BDJ OXIDES PRIVATE LIMITED, Plot No.10,Attivaram Industrial Park,Nellore,Mondal,Andhra Pradesh
41			370660	23.382	MT	16/06/2023	
42			373412	21.534	MT	23/06/2023	
43			373419	27.858	MT	23/06/2023	
44			375705	23.396	MT	30/06/2023	
45			375711	28.418	MT	30/06/2023	

Thanking you,

For POSCO Maharashtra Steel Pvt. Ltd.


Authorized Signatory

Mr. Sachin Mokal

Manager -EHS

**Annexure - VI**

Annexure - VI<sup>th</sup>

**Details of Hazardous Waste Disposal (CGL Plant) – Jul~Sep 2023**

Sr.N	Type of Hz	W. C. N	Man.No.	QTY.	UOM	Disp. Date	Name of CHWTSDF/Auth. Party
1	ETP Sludge	35.3	379634	05.560	MT	11/07/2023	M/S. MWML (CHWTSDF) Taloja, Raigad.
2			380821	12.800	MT	15/07/2023	
3			385250	12.110	MT	28/07/2023	
4			386057	9.310	MT	31/07/2023	
5			385250	12.110	MT	28/07/2023	
6			386057	9.310	MT	31/07/2023	
7			386714	8.630	MT	01/08/2023	
8			387599	9.040	MT	04/08/2023	
9			388411	8.700	MT	05/08/2023	
10			389368	8.740	MT	08/08/2023	
11			390366	7.250	MT	10/08/2023	
12			397906	12.41	MT	4/9/2023	
13			A118632	13.83	MT	5/9/2023	
14			398601	8.74	MT	6/9/2023	
15			400428	8.95	MT	11/9/2023	
16	Discarded containers / Barrels	33.1	384008	110	Nos.	25/07/2023	M/s. Jai Jalaram Trading Company. Plot No.: 380, Shree Malang Road, Bhalgaon, Tal-Ambarnath, Dist-Thane, 421306
17			386227	486	Nos.	31/07/2023	
18			386227	483	Nos.	31/07/2023	
19			391257	130	Nos.	16/08/2023	
20			401069	120	Nos.	12/09/2023	
21			405684	22	Nos.	26/09/2023	
22	Used Oil	5.1	380530	03.100	MT	14/07/2023	Lub Star Petro-chem Ind.MIDC Mahad,
23	Chromic Waste	NA	388026	1.940	MT	04/08/2023	M/S. MWML (CHWTSDF) Taloja, Raigad.
24			392285	0.950	MT	18/08/2023	
25	Zinc Dross	6.3	379654	24.948	MT	11/07/2023	M/s. Navbharat Metallic Oxide Industries Pvt Ltd. Plot No. 6,7,8,9, Survey No. 482, Near Check Post, Village Dabhel, Daman, 396210
26			380330	28.088	MT	13/07/2023	
27			381342	24.392	MT	17/07/2023	
28			382719	24.746	MT	21/07/2023	
29			383735	24.558	MT	25/07/2023	
30			385698	24.716	MT	29/07/2023	
31			386282	29.786	MT	31/07/2023	
32			400759	29.232	MT	11/09/2023	
33			401650	29.654	MT	13/09/2023	
34			402483	29.075	MT	15/09/2023	
35			404161	29.990	MT	21/09/2023	
36	Zinc Dross	6.3	390130	27.950	MT	10/08/2023	M/S. RUBAMIN PRIVATE LIMITED, R. S.No.115, Village-Pratappura, Tal-Halol, Panchmahal, Dist-Gujarat- 389350
37			393540	29.442	MT	22/08/2023	
38			394889	29.168	MT	25/08/2023	
39			396726	28.891	MT	31/08/2023	

**For POSCO Maharashtra Steel Pvt. Ltd.**

**Authorized Signatory**

**Mr. Sachin Mokal**  
Manager –EHS)

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

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

*Annexur - VI*

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	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1	ETP sludge	35.3	346838	07.310	MT	13/04/2023	M/s. MWML Taloja, Raigad (CHWTSDF)
2			351050	05.900	MT	24/04/2023	
3			352105	11.830	MT	27/04/2023	
4	Discarded containers/Barrels	33.1	347348	120	Nos.	14/04/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
5			348892	130	Nos.	20/04/2023	
6			352415	120	Nos.	28/04/2023	
7	Zinc Dross	6.3	345323	29.554	MT	10/4/2023	M/S. RUBAMIN PRIVATE Ltd., R. S.No.115, Village- Pratappura, Tal-Halol, Panchmahal, Dist-Gujarat- 389350
8			345329	29.394	MT	10/4/2023	
9			347259	28.968	MT	14/4/2023	
10			347266	29.146	MT	14/4/2023	
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.**

*Atin Raut*



**Mr. Atin Raut**  
AGM- Manager (EHSI)

*Atin Raut*  
*12/05/2023*  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402301

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

PMSPL/EHS/MPCB/ACL-HzW-05/2023

Date: 31<sup>st</sup> May, 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 Part –MAY, 2023**

**Ref: Consent Order No: 1.0/BO/CAC-Cell/UAN No:-000018375-16/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 **MAY-2023.**

**Details are as follows-**

S. No	Type of Haz. Waste	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1	ETP sludge	35.3	354280	08.480	MT	04/05/2023	M/s. MWML Taloja, Raigad (CHWTSDF)
2			358333	12.470	MT	15/05/2023	
3			361641	07.850	MT	24/05/2023	
4			363648	10.810	MT	29/05/2023	
5	Discarded containers/Barrels	33.1	360740	22	Nos.	22/05/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
6			364200	22	Nos.	30/05/2023	
7	Chromic Waste	NA	356158	06.090	MT	09/05/2023	M/s. MWML Taloja, Raigad (CHWTSDF)
8			358809	01.170	MT	16/05/2023	
9	Zinc Dross	6.3	355842	28.138	MT	08/05/2023	M/s. Navbharat Metallic Oxide Industries Ltd., Plot No. 6-9, Survey No.482, Village-Dabhel, Daman, 396210.
10			357271	28.214	MT	12/05/2023	
11			358342	24.622	MT	15/05/2023	
12			360727	28.176	MT	22/05/2023	
13			362609	24.536	MT	26/05/2023	
14			364197	24.716	MT	30/05/2023	
15			364203	29.372	MT	30/05/2023	

Kindly acknowledge the receipt of the same.

Thanking you,

**For POSCO Maharashtra Steel Pvt. Ltd.**



**Mr. Atin Raut**  
AGM- EHS

Handwritten signature and date: 31/05/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402300

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

**PMSPL/EHS/MPCB/CGL-HzW-06/2023**

**Date: 28<sup>th</sup> June, 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 Part –JUN, 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 **JUNE-2023.**

**Details are as follows-**

S. No	Type of Haz. Waste	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDf/ Authorized Party
1	ETP sludge	35.3	366409	07.440	MT	06/06/2023	M/s. MWML Taloja, Raigad (CHWTSDf)
2			369535	03.770	MT	13/06/2023	
3			370643	08.360	MT	16/06/2023	
4			372248	8.100	MT	20/06/2023	
5	Discarded containers/Barrels	33.1	369508	22	Nos.	13/06/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
6			371473	120	Nos.	19/06/2023	
7			372179	126	Nos.	20/06/2023	
8	Zinc Dross	6.3	370655	28.316	MT	16/06/2023	M/S. BDJ OXIDES PRIVATE LIMITED, Plot No.10,Attivaram Industrial Park,Nellore,Mondal Ozili,Sri Potti,Sriramulu Nellore,Andhra Pradesh
9			370660	23.382	MT	16/06/2023	
10			373412	21.534	MT	23/06/2023	
11			373419	27.858	MT	23/06/2023	
12	Zinc Dross	6.3	372185	29.252	MT	20/06/2023	M/s. Navbharat Metallic Oxide Ind. Ltd.,Plot No. 6-9, Survey No. 482, Village-Dabhel, Daman, 396210.
13			373101	29.880	MT	22/06/2023	

Kindly acknowledge the receipt of the same.

Thanking you,

**For POSCO Maharashtra Steel Pvt. Ltd.**



**Mr. Atin Raut**  
AGM- EHS

*Suresh*  
28/06/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 40230.

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



PMSPL/EHS/MPCB/CGL-HzW-07/2023

Date: 27<sup>th</sup> July, 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 Part –JULY, 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 **JULY-2023.**

**Details are as follows-**

S. No	Type of Haz. Waste	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDf/ Authorized Party
1	ETP sludge	35.3	379634	05.560	MT	11/07/2023	M/s. MWML Taloja, Raigad (CHWTSDf)
2			380821	12.800	MT	15/07/2023	
3	Discarded containers/Barrels	33.1	384008	110	Nos.	25/07/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
4	USED OIL / SPENT OIL	5.1	380530	03.100	MT	14/07/2023	M/S. Lub Star Petro-chem Industries, Plot no C-29, MIDC Mahad, Tal-Mahad, Raigad
5	Zinc Dross	6.3	376503	23.452	MT	03/07/2023	M/S. BDJ OXIDES PRIVATE LIMITED, Plot No.10,Attivaram Industrial Park,Nellore,Mondal Ozili,Sri Potti,Sriramulu Nellore, Andhra Pradesh
6	Zinc Dross	6.3	379654	24.948	MT	11/07/2023	M/s. Navbharat Metallic Oxide Ind. Ltd.,Plot No. 6-9, Survey No. 482, Village-Dabhel, Daman, 396210.
7			380330	28.088	MT	13/07/2023	
8			381342	24.392	MT	17/07/2023	
9			382719	24.746	MT	21/07/2023	
10			383735	24.558	MT	25/07/2023	

Kindly acknowledge the receipt of the same.

Thanking you,

**For POSCO Maharashtra Steel Pvt. Ltd.**

**Mr. Atin N.Raut**  
AGM- EHS



*CPD*  
*27/07/2023*  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 40230

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

PMSPL/EHS/MPCB/CGL-HzW-08/2023

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

To,  
The Sub-Regional Officer,  
Maharashtra Pollution Control Board,  
MIDC Area, Mahad, Raigad.

Ack. copy of Intimation of H<sub>2</sub> Waste Disposed  
Aug'23.

**Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Part –  
Period from 28<sup>th</sup> July to 30<sup>th</sup> August, 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 **Period from 28<sup>th</sup> July to 30<sup>th</sup> August, 2023**

**Details are as follows-**

S. No	Type of Haz. Waste	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1	ETP sludge	35.3	385250	12.110	MT	28/07/2023	M/s. MWML Taloja, Raigad (CHWTSDF)
2			386057	9.310	MT	31/07/2023	
3			386714	8.630	MT	01/08/2023	
4			387599	9.040	MT	04/08/2023	
5			388411	8.700	MT	05/08/2023	
6			389368	8.740	MT	08/08/2023	
7			390366	7.250	MT	10/08/2023	
8	Chromic Waste	N.A.	388026	1.940	MT	04/08/2023	M/s. MWML Taloja, Raigad
9			392285	0.950	MT	18/08/2023	
10	Discarded containers/Barrels	33.1	386227	483	Nos.	31/07/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
11			391257	130	Nos.	16/08/2023	
12	Alkali Sludge	12.2	392989	9.25	MT	21/08/2023	M/s. MWML Taloja, Raigad
13	Zinc Dross	6.3	385698	24.716	MT	29/07/2023	M/s. Navbharat Metallic Oxide Ind. Ltd.,Plot No. 6-9, Survey No. 482, Village-Dabhel, Daman, 396210.
14			386282	29.786	MT	31/07/2023	
15	Zinc Dross	6.3	390130	27.950	MT	10/08/2023	M/S. RUBAMIN PRIVATE LIMITED, R. S.No.115, Village-Pratappura, Tal-Halol, Panchmahal, Dist-Gujarat-389350
16			393540	29.442	MT	22/08/2023	
17			394889	29.168	MT	25/08/2023	
18			396726	28.891	MT	31/08/2023	

Kindly acknowledge the receipt of the same.

Thanking you,

**For POSCO Maharashtra Steel Pvt. Ltd.**

**Mr. Atin N.Raut**  
AGM- EHS



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

*Amending*  
*27/09/23*  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 40230

Date: 27<sup>th</sup> September, 2023

PMSPL/EHS/MPCB/CGL-HzW-09/2023

To,

**The Sub-Regional Officer,**Maharashtra Pollution Control Board,  
MIDC Area, Mahad, Raigad.Aek. copy of "Int. of H<sub>2</sub> waste Disposal" - Sep'23.**Sub: CGL Plant-Intimation of Hazardous Waste disposal to CHWTSDF & Authorized Part -SEP, 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 September-2023.

**Details are as follows-**

S. No	Type of Haz. Waste	Waste Cat.	Manifest No	QTY.	UOM	Date of Disposal	Name of CHWTSDF/ Authorized Party
1	ETP sludge	35.3	397906	12.41	MT	4/9/2023	M/s. MWML Taloja, Raigad (CHWTSDF)
2			A118632	13.83	MT	5/9/2023	
3			398601	8.74	MT	6/9/2023	
4			400428	8.95	MT	11/9/2023	
5	Discarded containers/Barrels	33.1	401069	120	Nos.	12/09/2023	M/s. National Enterprises, Plot No. K/1,2,3, Tal. & Dist. Thane
6			405684	22	Nos.	26/09/2023	
7	Zinc Dross	6.3	400759	29.232	MT	11/09/2023	M/S. RUBAMIN PRIVATE LIMITED, R. S.No.115, Village-Pratappura, Tal-Halol, Panchmahal, Dist-Gujarat-389350
8			401650	29.654	MT	13/09/2023	
9			402483	29.075	MT	15/09/2023	
10			404161	29.990	MT	21/09/2023	

Kindly acknowledge the receipt of the same.

Thanking you,

**For POSCO Maharashtra Steel Pvt. Ltd.****Mr. Atin N. Raut**

AGM- EHS

*Atin N. Raut*  
27.09.23  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F. - Surbhay MIDC, Mahad,  
Dist. Raigad. Pin - 402300.

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



Sustainability

**Mumbai Waste Management Limited**  
**CERTIFICATE OF MEMBERSHIP**

M/s. Posco Maharashtra 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> Mar 2024**

Onkar Kulkarni  
Manager - BMD

Somnath Malgar  
Director



Sustainability

**Mumbai Waste Management Limited**

## CERTIFICATE OF MEMBERSHIP

M/s. Posco Maharashtra steel Pvt. Ltd.

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

**Membership No: MWML-HZW - MHD - 3461**

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

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Onkar Kulkarni  
Manager - BMD

---

Somnath Malgar  
Director

**Waste Water Treatment  
Plant (WWTP) Analysis  
Reports from  
Government Bodies  
(Maharashtra Pollution  
Control Board)**

**MAHARASHTRA POLLUTION CONTROL BOARD  
REGIONAL LABORATORY, CHIPLUN**

Phone no. : 02355-261970  
Visit us at : <http://mpcb.gov.in>  
mail : [mpcbchiplunlab@mpcb.gov.in](mailto: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
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Laboratory MoEF Recognition :	Validity
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Test Report No.: MPCB/RL-Chiplun/JVS/23-24/10/113	Date: 13/10/2023 04:37 PM
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**Analysis Report-Water (JVS)**

Field Sample ID :	BR-0041386		
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/23-24/633		
Sampling Method(s) :		Sample Details (Water/Air/HW) :	Water
Sampling drawn by (Officer name):	SRO-Mahad (Indira T. Gaikwad)	Sample Volume Received :	
Sample submitted by (Name) :	SRO-Mahad (Indira T. Gaikwad) (SRO-Mahad)	Seal No. :	100
Date of Sample Collection.(dd/mm/yyyy) :	09/08/2023 02:25 PM	Date of Sample receipt to Laboratory (dd/mm/yyyy) :	18/08/2023 10:31 AM
Analysis start Date (dd/mm/yyyy). :	08/09/2023 12:07 PM	Analysis end Date (dd/mm/yyyy). :	13/10/2023 01:42 PM

**Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted
1	pH	8.2		APHA
2	Total Dissolved Solids(TDS)	616.0	mg/l	APHA
3	Suspended Solids ( SS )	12.0	mg/l	APHA
4	Biochemical Oxygen Demand (BOD)	3.0	mg/l	APHA

Sr.No	Parameter	Results	Unit	Method Adopted
5	Chloride	146.65	mg/l	APHA
6	Cyanide	NA	mg/l	APHA
7	Sulphate	175.80	mg/l	APHA
8	Cadmium	BDL	mg/l	APHA
9	Chromium Hexavalent	BDL	mg/l	APHA
10	Chromium Total	0.26	mg/l	APHA
11	Iron	0.35	mg/l	APHA
12	Lead	BDL	mg/l	APHA
13	Nickel	BDL	mg/l	APHA
14	Zinc	0.01	mg/l	APHA
15	Oil & Grease	BDL	mg/l	APHA

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:** Dayanand Tare

**Results Approved by:** Dayanand Tare

**Results Reviewed by:** Dayanand Tare

*# 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. Samples will be preserved for a period 10 days from the delivery of Test Certificate.
3. Customer complaint register is available at laboratory.
4. The Contents of this Report shall not be reproduced in part or in full without written approval of laboratory.
5. MU values will be reported on request.

**Dayanand Tare**  
I/c Scientific Officer,  
Regional Laboratory,  
Chiplun,

End of The Report



**MAHARASHTRA POLLUTION CONTROL BOARD  
REGIONAL LABORATORY, CHIPLUN**

Phone no. : 02355-261970  
Visit us at : <http://mpcb.gov.in>  
mail : [mpcbchiplunlab@mpcb.gov.in](mailto: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

<b>NABL Certificate No.:</b>	<b>Validity</b>
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<b>Laboratory MoEF Recognition :</b>	<b>Validity</b>
--------------------------------------	-----------------

<b>Test Report No.:</b> MPCB/RL-Chiplun/JVS/23-24/10/133	<b>Date:</b> 13/10/2023 04:38 PM
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**Analysis Report-Water (JVS)**

<b>Field Sample ID :</b>	BR-0052077		
<b>Name &amp; Address of the Industry</b>	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		
<b>Sampling Location :</b>	OTHERS (East gate) ✓		
<b>Lab code :</b>	MPCB/RL-Chiplun/JVS/23-24/636		
<b>Sampling Method(s) :</b>		<b>Sample Details (Water/Air/HW) :</b>	Water
<b>Sampling drawn by (Officer name):</b>	SRO-Mahad (Indira T. Gaikwad)	<b>Sample Volume Received :</b>	
<b>Sample submitted by (Name) :</b>	SRO-Mahad (Indira T. Gaikwad) (SRO-Mahad)	<b>Seal No. :</b>	100
<b>Date of Sample Collection.(dd/mm/yyyy) :</b>	09/08/2023 02:45 PM	<b>Date of Sample receipt to Laboratory (dd/mm/yyyy) :</b>	18/08/2023 10:35 AM
<b>Analysis start Date (dd/mm/yyyy). :</b>	08/09/2023 12:06 PM	<b>Analysis end Date (dd/mm/yyyy). :</b>	13/10/2023 02:04 PM

**Test Report**

Sr.No	Parameter	Results	Unit	Method Adopted
1	pH	7.8		APHA
2	Total Dissolved Solids(TDS)	516.0	mg/l	APHA
3	Suspended Solids ( SS )	12.0	mg/l	APHA
4	Biochemical Oxygen Demand (BOD)	4.0	mg/l	APHA

Sr.No	Parameter	Results	Unit	Method Adopted
5	Chloride	160.65	mg/l	APHA
6	Cyanide	NA	mg/l	APHA
7	Sulphate	135.12	mg/l	APHA
8	Cadmium	BDL	mg/l	APHA
9	Chromium Hexavalent	BDL	mg/l	APHA
10	Chromium Total	0.28	mg/l	APHA
11	Iron	0.39	mg/l	APHA
12	Lead	BDL	mg/l	APHA
13	Nickel	BDL	mg/l	APHA
14	Zinc	BDL	mg/l	APHA
15	Oil & Grease	BDL	mg/l	APHA

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: Dayanand Tare**

**Results Approved by: Dayanand Tare**

**Results Reviewed by: Dayanand Tare**

*# 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.
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5. MU values will be reported on request.

**Dayanand Tare**  
I/c Scientific Officer,  
Regional Laboratory,  
Chiplun,

End of The Report

**External Laboratory Approved  
by Ministry of Environment  
Forest & Climate Change  
(MoEFCC) -New Delhi Reports**



CRM-WWTP Analysis Report  
13th Apr'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

### ANALYSIS REPORT

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

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/0162
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	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

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. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
01	pH	---	8.44	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
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>rd</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	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	17.50	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/lit	33.45	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
07	Sulphates as SO <sub>4</sub>	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



F MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*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.



CRM - WWTP Analysis Report  
5th June 2023

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

### ANALYSIS REPORT

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

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/03304
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	REPORT DATE	13/06/2023
	LAB REFERENCE NO.	HS/LAB/WA/0281
	SAMPLING DATE	06/06/2023
	SAMPLE RECEIPT DATE	07/06/2023
	START DATE OF ANALYSIS	07/06/2023
	END DATE OF ANALYSIS	12/06/2023
	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	CRM WWTP

### RESULTS OF ANALYSIS

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
01	pH	---	7.74	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	34.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D,
03	Total Dissolved Solids	mg/lit	1816.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	47.30	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	13.20	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/lit	302.45	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
07	Sulphates as SO <sub>4</sub>	mg/lit	95.50	< 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	0.10	< 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	0.13	< 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*  
MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*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.

**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

**ANALYSIS REPORT**

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

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/03306
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	<b>REPORT DATE</b>	13/06/2023
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/0281
	<b>SAMPLING DATE</b>	06/06/2023
	<b>SAMPLE RECIPT DATE</b>	07/06/2023
	<b>START DATE OF ANALYSIS</b>	07/06/2023
	<b>END DATE OF ANALYSIS</b>	12/06/2023
	<b>SAMPLING REF./SOP NO</b>	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	pH	---	7.38	6.5 – 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H+B
02	Total Dissolved Solids	mg/lit	74.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Chlorides as Cl <sup>-</sup>	mg/lit	6.50	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl+B
04	Total Hardness CaCO <sub>3</sub>	mg/lit	26.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
05	Calcium as Ca	mg/lit	5.60	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
06	Magnesium as Mg	mg/lit	2.90	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
07	Iron as Fe	mg/lit	0.07	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
08	Nitrates as NO <sub>2</sub>	mg/lit	0.35	< 45.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 NO <sub>3</sub> B
09	Fluoride as F	mg/lit	0.10	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F- D
10	Residual Chlorine - Cl <sub>2</sub>	mg/lit	0.23	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl+B
11	Alkalinity as CaCO <sub>3</sub>	mg/lit	48.00	< 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*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*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.



Drinking water Analysis Report  
06th Jun'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

### ANALYSIS REPORT

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

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/03305
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	REPORT DATE	13/06/2023
	LAB REFERENCE NO.	HS/LAB/WA/0281
	SAMPLING DATE	06/06/2023
	SAMPLE RECEIPT DATE	07/06/2023
	START DATE OF ANALYSIS	07/06/2023
	END DATE OF ANALYSIS	12/06/2023
	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. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	LIMITS IS 10500: 2018	TEST METHOD REFERENCE
01	pH	---	7.24	6.5 - 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	68.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Iron as Fe	mg/lit	0.04	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
04	Chlorides as Cl <sup>-</sup>	mg/lit	5.75	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
05	Sulphates as SO <sub>4</sub>	mg/lit	2.45	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
06	Calcium as Ca	mg/lit	5.60	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
07	Magnesium as Mg	mg/lit	2.90	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
08	Total Hardness CaCO <sub>3</sub>	mg/lit	26.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
09	Nitrate as NO <sub>3</sub>	mg/lit	0.30	< 45.00	APHA 23 <sup>rd</sup> 2017, 4500 NO <sub>3</sub> B
10	Fluoride as F	mg/lit	0.08	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F <sup>-</sup> D
11	Total Alkalinity CaCO <sub>3</sub>	mg/lit	42.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
12	Residual Chlorine	mg/lit	0.25	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <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.



For HORIZON SERVICES

MANISHA NARGOLKAR  
(Lab Incharge)

\*\*\*\*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.

**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

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/05361
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	<b>REPORT DATE</b>	20/07/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/0464
	<b>SAMPLING DATE</b>	13/07/2023
	<b>SAMPLE RECEIPT DATE</b>	14/07/2023
	<b>START DATE OF ANALYSIS</b>	14/07/2023
	<b>END DATE OF ANALYSIS</b>	19/07/2023
	<b>SAMPLING REF. / SOP NO.</b>	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 LIMITS	TEST METHOD REFERENCE
01	pH	---	5.73	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	32.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D,
03	Total Dissolved Solids	mg/lit	350.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	37.40	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27oC for 3 days)	mg/lit	10.30	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/lit	31.50	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
07	Sulphates as SO <sub>4</sub>	mg/lit	21.15	< 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	0.04	< 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*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

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

**DISCLAIMER :**

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



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

**ANALYSIS REPORT**

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

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/08227
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	<b>REPORT DATE</b>	18/09/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/0728
	<b>SAMPLING DATE</b>	12/09/2023
	<b>SAMPLE RECEIPT DATE</b>	12/09/2023
	<b>START DATE OF ANALYSIS</b>	13/09/2023
	<b>END DATE OF ANALYSIS</b>	18/09/2023
	<b>SAMPLING REF. / SOP NO.</b>	HS/NABL/QC/07

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

**RESULTS OF ANALYSIS**

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	MPCB LIMITS	TEST METHOD REFERENCE
01	pH	---	8.40	5.5 to 9.0	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Suspended Solids	mg/lit	18.00	< 100.0	APHA 23 <sup>rd</sup> Ed 2017 2540-D,
03	Total Dissolved Solids	mg/lit	210.00	< 2100.0	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
04	Chemical Oxygen Demand	mg/lit	12.50	< 250.0	APHA 23 <sup>rd</sup> Ed. 2017, 5220- C
05	Biochemical Oxygen Demand (27°C for 3 days)	mg/lit	3.40	< 30.00	IS 3025 (P 44) RA 2003
06	Chlorides as Cl <sup>-</sup>	mg/lit	16.75	< 600.0	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl-B
07	Sulphates as SO <sub>4</sub>	mg/lit	14.50	< 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	0.04	< 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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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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.

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**ANALYSIS REPORT**

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

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/08228
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	<b>REPORT DATE</b>	18/09/2023
	<b>LAB REFERENCE NO.</b>	HS/LAB/WA/0728
	<b>SAMPLING DATE</b>	12/09/2023
	<b>SAMPLE RECEIPT DATE</b>	12/09/2023
	<b>START DATE OF ANALYSIS</b>	13/09/2023
	<b>END DATE OF ANALYSIS</b>	18/09/2023
	<b>SAMPLING REF. / SOP NO.</b>	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 & CRM Utility

**RESULTS OF ANALYSIS**

SR. NO.	DESCRIPTION OF PARAMETERS	UNIT	RESULTS	LIMITS IS 10500: 2018	TEST METHOD REFERENCE
01	pH	---	7.35	6.5 – 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	74.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Iron as Fe	mg/lit	0.04	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
04	Chlorides as Cl <sup>-</sup>	mg/lit	9.35	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
05	Sulphates as SO <sub>4</sub>	mg/lit	5.25	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 SO <sub>4</sub> E
06	Calcium as Ca	mg/lit	7.20	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
07	Magnesium as Mg	mg/lit	3.40	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
08	Total Hardness CaCO <sub>3</sub>	mg/lit	32.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
09	Nitrate as NO <sub>3</sub>	mg/lit	0.28	< 45.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 NO <sub>3</sub> B
10	Fluoride as F	mg/lit	0.10	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F <sup>-</sup> D
11	Total Alkalinity CaCO <sub>3</sub>	mg/lit	48.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2320 B
12	Residual Chlorine	mg/lit	0.24	> 0.20	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <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.



For HORIZON SERVICES

*Manisha Nargolkar*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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**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

<b>CLIENT'S NAME &amp; ADDRESS</b>	<b>REPORT NO</b>	HS/LAB/WA/08229
M/s POSCO-Maharashtra Steel Pvt. Ltd, Plot No.C-1, Vile Bhagad MIDC Industrial Area, Tal-Mangaon, Dist-Raigad, Maharashtra, 402308.	<b>REPORT DATE</b>	18/09/2023
	<b>LAB REFERENCE NO</b>	HS/LAB/WA/0728
	<b>SAMPLING DATE</b>	12/09/2023
	<b>SAMPLE RECIEPT DATE</b>	12/09/2023
	<b>START DATE OF ANALYSIS</b>	13/09/2023
	<b>END DATE OF ANALYSIS</b>	18/09/2023
	<b>SAMPLING REF./SOP NO</b>	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	pH	---	7.07	6.5 – 8.5	APHA 23 <sup>rd</sup> Ed 2017, 4500-H <sup>+</sup> B
02	Total Dissolved Solids	mg/lit	210.00	< 500.00	APHA 23 <sup>rd</sup> Ed 2017, 2540 C
03	Chlorides as Cl <sup>-</sup>	mg/lit	38.30	< 250.00	APHA 23 <sup>rd</sup> Ed 2017, 4500 Cl <sup>-</sup> B
04	Total Hardness CaCO <sub>3</sub>	mg/lit	110.00	< 200.00	APHA 23 <sup>rd</sup> Ed 2017, 2340 C
05	Calcium as Ca	mg/lit	28.00	< 75.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Ca B
06	Magnesium as Mg	mg/lit	9.70	< 30.00	APHA 23 <sup>rd</sup> Ed 2017, 3500 Mg B
07	Iron as Fe	mg/lit	0.13	< 0.30	APHA 23 <sup>rd</sup> Ed 2017, 3500 Fe B
08	Nitrates as NO <sub>2</sub>	mg/lit	0.75	< 45.00	APHA 23 <sup>rd</sup> 2017, 4500 NO <sub>3</sub> B
09	Fluoride as F	mg/lit	0.14	< 1.00	APHA 23 <sup>rd</sup> Ed 2017, 4500-F <sup>-</sup> 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 CaCO <sub>3</sub>	mg/lit	52.00	< 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*  
**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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**P-MH Internal Laboratory  
Reports  
(CGL & CRM Plant)**

**ANALYSIS REPORT (P-MH Internal Lab.) - [Apr~Jun'23]**

Report of Analysis of Treated Effluent showing performance of the **Effluent Treatment Plant (CGL- Plant)** in the month **April ~June, 2023.**

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

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

Sr. No	Parameter	MPCB Consent Limit	Apr~2023	May~2023	June~2023	Average
1	pH	Between 5.5~ 8.5	7.851	8..149	8.063	<b>7.957</b>
2	Suspended solids	< 100 mg/l	7.733	7.517	7.767	<b>7.672</b>
3	BOD 3 days at 27 <sup>0</sup> C	< 30 mg/l	11.700	11.875	10.275	<b>11.283</b>
4	COD	< 250 mg/l	64.533	52.966	37.833	<b>51.777</b>
5	Oil & Grease	< 10 mg/l	0.353	0.576	0.390	<b>0.440</b>
6	Dissolved Solids- (Inorganic)	< 2100 mg/l	1210.233	1304.276	1167.933	<b>1227.481</b>
7	Chlorides	< 600 mg/l	527.472	529.589	494.542	<b>517.201</b>
8	Lead as (Pb)	< 0.1 mg/l	0.010	0.006	0.007	<b>0.008</b>
9	Cadmium	< 2 mg/l	0.009	0.011	0.002	<b>0.007</b>
10	Total Chromium (As Cr)	< 2 mg/l	0.071	0.013	0.005	<b>0.030</b>
11	Nickel (As Ni)	< 3 mg/l	0.008	0.007	0.007	<b>0.007</b>
12	Zinc (As Zn)	< 5 mg/l	0.278	0.232	0.453	<b>0.321</b>
13	Iron	< 3 mg/l	0.189	0.280	0.436	<b>0.302</b>
14	Cyanide (As CN)	< 0.2 mg/l	0.000	0.000	0.000	<b>0.000</b>
15	Sulphates	< 1000 mg/l	224.927	306.136	220.824	<b>250.629</b>
16	Hexavalent Chromium as Cr	< 0.1 mg/l	0.000	0.000	0.000	<b>0.000</b>

**For POSCO Maharashtra Steel Pvt Ltd.**

*[Handwritten Signature]*



**Authorized Signatory**

**Mr. Atin N Raut**  
AGM – EHS

**ANALYSIS REPORT (P-MH Internal Lab.) - [Jul~Sep'23]**


Report of Analysis of Treated Effluent showing performance of the **Effluent Treatment Plant (CGL- Plant)** in the month **July~ September, 2023.**

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

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

Sr. No	Parameter	MPCB Consent Limit	Jul~2023	Aug~2023	Sep~2023	Average
1	pH	Between 5.5~ 8.5	7.602	7.364	7.492	<b>7.486</b>
2	Suspended solids	< 100 mg/l	7.552	9.071	7.733	<b>8.118</b>
3	BOD 3 days at 27 <sup>o</sup> C	< 30 mg/l	8.914	13.200	9.489	<b>10.534</b>
4	COD	< 250 mg/l	36.207	74.357	41.600	<b>50.721</b>
5	Oil & Grease	< 10 mg/l	0.445	0.443	1.203	<b>0.697</b>
6	Dissolved Solids- (Inorganic)	< 2100 mg/l	747.586	786.607	696.900	<b>743.697</b>
7	Chlorides	< 600 mg/l	342.303	387.305	313.954	<b>347.854</b>
8	Lead as (Pb)	< 0.1 mg/l	0.010	0.012	0.012	<b>0.011</b>
9	Cadmium	< 2 mg/l	0.002	0.002	0.002	<b>0.002</b>
10	Total Chromium (As Cr)	< 2 mg/l	0.004	0.003	0.005	<b>0.004</b>
11	Nickel (As Ni)	< 3 mg/l	0.008	0.021	0.009	<b>0.012</b>
12	Zinc (As Zn)	< 5 mg/l	0.590	0.608	0.467	<b>0.555</b>
13	Iron	< 3 mg/l	0.358	0.811	0.251	<b>0.473</b>
14	Cyanide (As CN)	< 0.2 mg/l	0.000	0.000	0.000	<b>0.000</b>
15	Sulphates	< 1000 mg/l	98.022	130.683	127.001	<b>118.568</b>
16	Hexavalent Chromium as Cr	< 0.1 mg/l	0.000	0.000	0.000	<b>0.000</b>

**For POSCO Maharashtra Steel Pvt Ltd.**




**Authorized Signatory**

**Mr. Atin N Raut**

AGM – EHS

CGL - (Apr to Sep'23) Lab. Report

GGL-WWTP ANALYSIS REPORT (P-MH Internal Lab.) - [Apr~Sep'23]

Sr. No	Parameter	MPCB Consent Limit	Apr~2023	May~2023	June~2023	Jul~2023	Aug~2023	Sep~2023	Avg.
1	pH	Between 5.5 ~ 8.5	7.851	8.149	8.063	7.602	7.364	7.492	7.674
2	Suspended solids	< 100 mg/l	7.733	7.517	7.767	7.552	9.071	7.733	7.896
3	BOD 3 days at 27° C	< 30 mg/l	11.7	11.875	10.275	8.914	13.2	9.489	10.909
4	COD	< 250 mg/l	64.533	52.966	37.833	36.207	74.357	41.6	51.249
5	Oil & Grease	< 10 mg/l	0.353	0.576	0.39	0.445	0.443	1.203	0.568
6	Dissolved Solids- (Inorganic)	< 2100 mg/l	1210.233	1304.276	1167.933	747.586	786.607	696.9	985.589
7	Chlorides	< 600 mg/l	527.472	529.589	494.542	342.303	387.305	313.954	432.528
8	Lead as (Pb)	< 0.1 mg/l	0.01	0.006	0.007	0.01	0.012	0.012	0.010
9	Cadmium	< 2 mg/l	0.009	0.011	0.002	0.002	0.002	0.002	0.005
10	Total Chromium (As Cr)	< 2 mg/l	0.071	0.013	0.005	0.004	0.003	0.005	0.017
11	Nickel (As Ni)	< 3 mg/l	0.008	0.007	0.007	0.008	0.021	0.009	0.010
12	Zinc (As Zn)	< 5 mg/l	0.278	0.232	0.453	0.59	0.608	0.467	0.438
13	Iron	< 3 mg/l	0.189	0.28	0.436	0.358	0.811	0.251	0.388
14	Cyanide (As CN)	< 0.2 mg/l	0	0	0	0	0	0	0.000
15	Sulphates	< 1000 mg/l	224.927	306.136	220.824	98.022	130.683	127.001	184.599
16	Hexavalent Chromium as Cr	< 0.1 mg/l	0	0	0	0	0	0	0.000

For POSCO Maharashtra Steel Pvt Ltd.

*[Handwritten Signature]*

Authorized Signatory  
Mr. Atin N Raut



AGM - EHS





VIEW OF THE WORLD

Suicide bomber shot dead near Indian embassy in Kandahar

Kandahar: A suicide bomber was shot dead near the Indian Embassy in Kandahar province in Afghanistan's southern province...

MR POPULAR Neil Patrick Harris has revealed that straight girls still want to marry him even though they know he is gay



Neil Patrick Harris

US court dismisses Devyani's indictment in visa fraud case

New York: Indian diplomat Devyani Khobragade, who was arrested and indicted in 2010 on charges of visa fraud, has won a preliminary injunction from a federal judge...

Devyani Khobragade, who was arrested and indicted in 2010 on charges of visa fraud, has won a preliminary injunction from a federal judge...

Ukraine to set up new military force to incorporate up to 60,000 troops

Kiev: The Ukrainian parliament on Thursday approved the creation of a new military force, the National Guard, to bolster the country's defense capacity...

'MH370 flew for hrs after losing contact'

Claims made by US probe are quashed by Malay authorities

Kuala Lumpur: U.S. investigators are probing the disappearance of a Malaysia Airlines passenger jet (MH370) that may have flown for hours after losing contact with air traffic controllers...

Indian Navy ships join search operation

The Indian Navy on Thursday stepped up its operations to search for the missing Malaysian jet by dispatching two ships and three maritime reconnaissance aircraft...

It is not clear if the plane was crashed in the sea. China kept pressuring Malaysia to improve coordination in the search...



Japanese artist Yoko Ono poses for photographers during the presentation of her exhibition at the Government Museum in Chennai...

Booth threat at Virginia university, buildings evacuated

Washington: Police were investigating a threat to a Virginia Tech campus on Thursday, and buildings were evacuated...

NY building collapse death toll climbs to 7

New York: Seven crates picked through with a sledgehammer on Thursday, looking for survivors of a job site collapse that caused the collapse of a New York apartment building...

Picture of Reeva's corpse accidentally shown in court

Pretoria: Oscar Pistorius has revealed he showed his wife's corpse when his lawyers showed photos of her to the jury...



Diets of a hot and vegetable buffet during Thailand's National Elephant Day in the ancient Thai capital Ayutthaya on Thursday

WEST CENTRAL RAILWAY OPEN TENDER-CIVIL ENGINEERING TENDER NOTICE No. DW/CE/CR/04/2014

South East Central Railway CORRIGENDUM

WEST CENTRAL RAILWAY TENDER NOTICE No. W/CE/RI/14/2014

RAIL WHEEL FACTORY Bidding Notice

EBI PGIMSR & MODEL HOSPITAL Cum O.D.C (An ISO 9001:2008 Certified Hospital)

PUBLIC NOTICE This is to inform all people through this notice that POSCO MAHARASHTRA STEEL PVT. LTD., Plot No-01, Vile Parle MIDC, Mumbai, Maharashtra...

NORTH CENTRAL RAILWAY, ALLAHABAD E-Procurement Tender Notice No. 14/14

EBI PGIMSR & MODEL HOSPITAL TENDER NOTICE

EASTERN RAILWAY TENDER NOTICE

Ch. English Advt

Annexure-8

To,  
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 Yearly EC-Compliance** 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.




Mr. Atin N. Raut  
AGM- EHS



**Enclosures:**

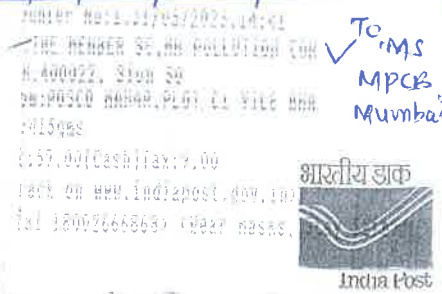
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31/05/2023  
Sub Regional Office  
Maharashtra Pollution Control Board  
C.F.C. Building, MIDC, Mahad,  
Dist Raigad, Pin - 402304

**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.**

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

To,  
**The Member Secretary,**  
Maharashtra Pollution Control Board,  
Kalpataru Point Sion , Mumbai (E)- 400022.



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

**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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AGM- EHS



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POSCO Ack. Copy of Half Yearly Compliance report (Period Dec'22 to May'23)

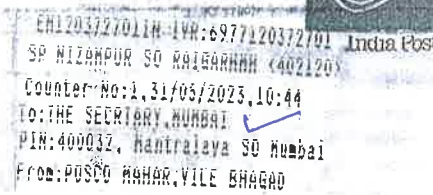
MAHARASHTRA  
PMSPL/EHSI/EC Com-01/2023

To Secretary  
Mumbai

भारतीय डाक

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

To,  
**The Secretary**  
**Environment Department**  
15<sup>th</sup> Floor, New Administrative Building,  
Madam Cama Road, Mumbai – 400 032



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AGM- EHS  


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POSCO Ack. Copy of Half Yearly Compliance report (for Dec'22 to May'23)

MAHARASHTRA

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  
Nagpur 440001, (Maharashtra)

CONTROL NO. 31/2023/4343  
To: THE REGIONAL OFFICER, MOEF  
PMS-440001, Nagpur  
From: POSCO MAHARASHTRA, PLOT C-1, VILE BHAGAD  
MIDC INDUSTRIAL AREA, TAL: MANGAON  
Dist: RAIGAD  
Date: 31<sup>st</sup> May, 2023  
Regional MOE Nagpur  
भारतीय डाक  
Track on www.rajagost.gov.in  
Dist: 18002800868 (Near N)

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AGM- EHS  


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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

CIN: U27100MH2009PTC190873

with POSCO

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

THE REGIONAL OFFICER, BELAPUR

Pin: 400614, Konkan Bhavan S.O

From: POSCO MAHAR, VILE BHAGAD

Wt: 415gms

amt: 59.00 (Cash) Tax भारतीय डाक

(Track on www.india)

(Dial 18002666668)

RO  
MPCB

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

To,

The Regional Officer,

Maharashtra Pollution Control Board,

Regional Office, Raigad Bhavan, 7<sup>th</sup> Floor, CBD Belapur



Stay Sai

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Dist: Raigad - 402 308, Maharashtra, INDIA

CIN: U27100MH2009PTC190873

with POSCO

POSCO Ack. copy of "Half Yearly Compliance Report (Period Dec'22 to May'23)"

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

Order No: 1.31/05/2023.10.31

THE ZONAL OFFICER, VADODRA

Zonal off,  
Vadodra.

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

To,

The Zonal Officer,

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

390023, Subhanpura

POSCO MAHAR, VILE B

415995

70.50(Cash)Tax:10.8

ACK on www.IndiaPost.gov

at 18007666868 (Wear Masks, Stay Safe)



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with POSCO

**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, Erandwane 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/00940
<b>M/s Posco- Maharashtra Steel Pvt. Ltd.</b> Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/04/2023
	LAB REFERENCE NO.	HS/LAB/AA/030
	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/Air/15

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

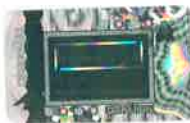
**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	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
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	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**



*Manisha Nargolkar*  
F **MANISHA NARGOLKAR**  
(Lab Incharge)

\*\*\*\*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.





Air (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
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/04/2023
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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/NM <sup>3</sup>	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)

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

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

**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/00942
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/04/2023
	LAB REFERENCE NO.	HS/LAB/AA/030
	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/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

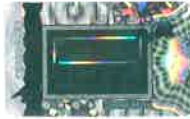
**RESULTS**

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/Nm <sup>3</sup>	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*  
F **MANISHA NARGOLKAR**  
(Lab Incharge)

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

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Air (Source Emission) - 27<sup>th</sup> Apr 2023  
CGL - D.G. Set 2000 KVA

**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/01634
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	04/05/2023
	LAB REFERENCE NO.	HS/LAB/AA/068
	SAMPLING DATE	27/04/2023
	SAMPLE RECEIPT DATE	28/04/2023
	START DATE OF ANALYSIS	28/04/2023
	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	--	CGL- D.G. Set 2000 KVA

**RESULTS**

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	NM <sup>3</sup> /Hr	7446.15		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	49.45	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	42.10	--	IS 11255 (Part2):1985
		kg/day	7.52	<144	--
15	NO <sub>x</sub>	ppm	28	<100	Flue Gas Analyser-based on manufacturer's Manual
16	CO	ppm	30	--	
17	NMHC	ppm	22	--	

**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

F MANISHA NARGOLKAR  
(Lab Incharge)

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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, Erandwane 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/01638
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	04/05/2023
	LAB REFERENCE NO.	HS/LAB/AA/068
	SAMPLING DATE	27/04/2023
	SAMPLE RECEIPT DATE	28/04/2023
	START DATE OF ANALYSIS	--
	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
	<b>CGL- D.G. Set 2000 KVA</b>			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	104.2	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.3	
03	<b>INSERSON LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER</b>	<b>dB(A)</b>	<b>30.9</b>	More than 25
	<b>CRM- D.G. Set 2000 KVA</b>			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	103.2	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.1	
03	<b>INSERSON LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER</b>	<b>dB(A)</b>	<b>30.1</b>	More than 25
	<b>ACL- D.G. Set 600 KVA</b>			
01	D.G. SET (INSIDE ACOUSTIC)	dB(A)	101.5	
02	D.G. SET (0.5 MTR AWAY)	dB(A)	73.2	
03	<b>INSERSON LOSS AT 0.5 MTR AWAY FROM ACOUSTIC COVER</b>	<b>dB(A)</b>	<b>28.3</b>	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.



For **HORIZON SERVICES**

*Manisha Nargolkar*  
F- **MANISHA NARGOLKAR**  
(Lab Incharge)

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

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Stack Emission - 13/07/2023  
CGL - Furnace stack  
Annexure - III

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/05523
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile - Bhagad MIDC Industrial Area, Tal - Mangaon, Dist - Raigad, Maharashtra 402308	REPORT DATE	19/07/2023
	LAB REFERENCE NO.	HS/LAB/AA/238
	SAMPLING DATE	13/07/2023
	SAMPLE RECEIPT DATE	14/07/2023
	START DATE OF ANALYSIS	14/07/2023
	END DATE OF ANALYSIS	18/07/2023
	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

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/07/2023		
02	TEST LOCATION		CGL- Furnace Stack		
03	TIME OF SAMPLING	Hrs	10:30		
04	MATERIAL OF STACK		Steel		
05	STACK HEIGHT	Mtr	42		
06	SHAPE OF STACK		Round		
07	FLUE GAS TEMPERATURE	Deg K	488		
08	DIFFERENTIAL PRESSURE	mm WG	2.0		
09	VELOCITY	M/Sec	6.39		
10	DIAMETER OF STACK	M	1.7		
11	STACK AREA	M <sup>2</sup>	2.2687		
12	GAS VOLUME	NM <sup>3</sup> /Hr	31862.85		
13	PARTICULATE MATTER	mg/NM <sup>3</sup>	9.64	<150	IS 11255 (Part 1):1985
14	SO <sub>2</sub>	mg/NM <sup>3</sup>	Nil	--	IS 11255 (Part2):1985
		kg/day	Nil	--	--
15	NO <sub>x</sub>	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



*Manisha Nargolkar*

MANISHA NARGOLKAR  
(Lab Incharge)

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

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Stack Emission - 13 Jul 23  
CGL No. 1 - Cleaning 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/05524
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/07/2023
	LAB REFERENCE NO.	HS/LAB/AA/238
	SAMPLING DATE	13/07/2023
	SAMPLE RECEIPT DATE	14/07/2023
	START DATE OF ANALYSIS	14/07/2023
	END DATE OF ANALYSIS	18/07/2023
	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	13/07/2023		
02	TEST LOCATION		CGL No. 1 Cleaning Stack		
03	TIME OF SAMPLING	Hrs	11:20		
04	ALKALI MIST	mg/NM <sup>3</sup>	1.15	<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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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Stack - Emission - 13<sup>th</sup> Jul 23  
CGL - Post Treatment 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/05525
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile - Bhagad MIDC Industrial Area, Tal - Mangaon, Dist - Raigad, Maharashtra 402308	REPORT DATE	19/07/2023
	LAB REFERENCE NO.	HS/LAB/AA/238
	SAMPLING DATE	13/07/2023
	SAMPLE RECEIPT DATE	14/07/2023
	START DATE OF ANALYSIS	14/07/2023
	END DATE OF ANALYSIS	18/07/2023
	SAMPLING REF. / SOP NO.	HS/NABL/Air/15

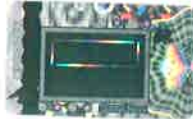
DETAILS OF SAMPLE	SAMPLING DONE BY	SAMPLE CONTAINER & QUANTITY	NATURE	LOCATION
Stack Emission	Horizon Services	Plastic Bottles and Bags	--	CGL Post Treatment Stack

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/07/2023		
02	TEST LOCATION		CGL Post Treatment Stack		
03	TIME OF SAMPLING	Hrs	12:10		
04	ACID MIST AS HCL	mg/Nm <sup>3</sup>	0.89		

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*

MANISHA NARGOLKAR  
(Lab Incharge)

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Stack - Emission - 15. 15. 22  
CGL - Pot Roll cleaning shop 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/05526
M/s Posco- Maharashtra Steel Pvt. Ltd. Plot No. C-1, Vile – Bhagad MIDC Industrial Area, Tal - Mangaon, Dist – Raigad, Maharashtra 402308	REPORT DATE	19/07/2023
	LAB REFERENCE NO.	HS/LAB/AA/238
	SAMPLING DATE	13/07/2023
	SAMPLE RECEIPT DATE	14/07/2023
	START DATE OF ANALYSIS	14/07/2023
	END DATE OF ANALYSIS	18/07/2023
	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 - Pot Roll Cleaning Shop Stack

**RESULTS**

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	13/07/2023		
02	TEST LOCATION		CGL - Pot Roll Cleaning Shop Stack		
03	TIME OF SAMPLING	Hrs	12:40		
04	ACID MIST AS HCL	mg/Nm <sup>3</sup>	0.59	<35	USPEA 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*

**MANISHA NARGOLKAR**  
(Lab Incharge)

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

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# Star Rating Programme

Anneure - ~~IX~~ Hs.

## Status of 5 star rating on MPCB portal - Nov. 2020

POSCO MAHARASHTRA STEEL

### Report Card:

Home | Industry Rating | City Rating | Approval Program | Air | Water | Media Center | Contacts

Maharashtra Pollution Control Board  
महाराष्ट्र प्रदूषण नियंत्रण बोर्ड

Posco Maharashtra Steel Limited  
Rajgad, Maharashtra  
METAL WORKS  
★★★★★ VERY GOOD

Release Number: 3  
Release Date: 8/27/2019  
Type: Red  
Scale: Large  
Address: Plot No. C-1/1 & C-2 Part 1 MIDC Vill Bhagadi, Tal Mangarion, Dist- Rajgad

MPCB Regional Office (RCO) Rajgad  
Sub-Regional Office (SRO) Mahad

Become a Saaf Hawa Hero today!

Login / Register  
Message  
English

→ Anneure - IX - MPCB → Star Rating Programme

PMSPL/MPCB-ENV\_FormV/Compliance\_2022-2023

Date: 27<sup>th</sup> September 2023

To,  
The Sub-Regional Officer,  
Maharashtra Pollution Control Board,  
CFC Building MIDC Area, Mahad, Raigad.

Ask copy of Submitted form - V - FY 2022-23.  
Environmental Audit Report

**Sub: Submission of Environmental Audit Report (Form V) for FY:2022-2023 (CGL, CRM & ACL-Plant)**

**Respected Mrs. Indira T. Gaikwad Madam,**

With above reference, we would like to submit herewith hard copies of Environmental Audit Report (Form V) for FY -2022-2023 (CGL, CRM & ACL-Line) for Compliance under the Environment Protection Act 1986, under Rule 14.

We have submitted Environmental Audit Report (Form V) for FY: 2022-2023 for ACL- Line on 18<sup>th</sup> Sep'23, CGL- Line on 25<sup>th</sup> Sep'23 & CRM- Line on 26<sup>th</sup> Sep'23 respectively on Online MPCB Portal for Statutory Compliance under Consent Conditions.

Details are as follows:

S. N	Annexure	Enclosure Contents	Mode of Submission	
			MPCB Online	Hard copy to MPCB-SRO-Mahad
1	Annexure I	<b>ACL Plant:</b> Environmental Audit Report (Form V) FY: 2022-2023	On 18.09.2023	To be submit on 27.09.2023
2	Annexure II	<b>CGL Plant:</b> Environmental Audit Report (Form V) FY: 2022-2023	On 25.09.2023	To be submit on 27.09.2023
3	Annexure III	<b>CRM Plant:</b> Environmental Audit Report (Form V) FY: 2022-2023	On 26.09.2023	To be submit on 27.09.2023

Note: We have submitted all Environmental Monitoring reports during Financial Year 2022-2023 on MPCB Portal during submission of Form V.

Details are as follows:

1. MPCB – Consent to Operate (CTO).
2. Ambient Air Quality Monitoring Reports (AAQM). [MPCB JVS & Third Party Lab approved by MoEF].
3. WWTP, Drinking Water & Underground Water Reports. [MPCB JVS & Third Party Lab approved by MoEF].
4. Air Stack Emissions Quality Monitoring Reports. [MPCB JVS & Third Party Lab approved by MoEF].
5. Workplace Noise Level Quality Monitoring Reports. [Third Party Lab approved by MoEF].
6. Ambient Noise Level Monitoring Reports. [Third Party Lab approved by MoEF].
7. Workplace Air Quality Monitoring Reports. [Third Party Lab approved by MoEF].

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  
AGM-EHS



*Revised 27-09-23*

Sub-Regional Office  
C.F.C. Building, MIDC, Mahad  
Dist Raigad, Pin - 402310  
Maharashtra Pollution Control Board



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Annexure - III

CGL plant

Form - V

FY - 2022-2023

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000059526

Submitted Date

25-09-2023

PART A

Company Information

Company Name

Posco Maharashtra Steel Pvt. Ltd.

Application UAN number

MPCB-CONSENT-0000128520

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

Taluka

Mangaon

Village

Vile Bhagad MIDC

Capital Investment (In lakhs)

123124.00

Scale

L.S.I.

City

Raigad

Pincode

402308

Person Name

In Kyo Bae

Designation

Dy. Managing Director

Telephone Number

8149700913

Fax Number

02140661198

Email

atinraut@posco.net

Region

SRO-Mahad

Industry Category

Red

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

Last Environmental statement submitted online

yes

Consent Number

1.0/CAC/UAN No.0000128520/CR/2204000648  
Date of Issue: Date: 12/04/2022

Consent Issue Date

2022-04-12

Consent Valid Upto

2027-02-28

Establishment Year

2011

Date of last environment statement submitted

Sep 22 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Galvanized Coils

Consent Quantity

450000

Actual Quantity

447876

UOM

Ton/Y

H2 (Hydrogen Gas)

204

109.00

Ton/Y

N2 (Nitrogen Gas)

89280

23817

Ton/Y

**By-product Information**

<b>By Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Zinc Dross	2400	1943.75	Ton/Y

**Part-B (Water & Raw Material Consumption)****1) Water Consumption in m3/day**

<b>Water Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
<b>Cooling</b>	750.00	367.00
<b>Domestic</b>	253.00	231.00
<b>All others</b>	0.00	0.00
<b>Total</b>	1883.00	1474.00

**2) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade Effluent	962.00	815.00	CMD
Domestic Effluent	160.00	135.00	CMD

**2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Galvanizing Coils	1.32	1.20	Ton/Ton
H2 (Hydrogen Gas)	0.0144	0.0002	Ton/Ton
N2 (Nitrogen Gas)	0.00110	0.0532	Ton/Ton

**3) Raw Material Consumption (Consumption of raw material per unit of product)**

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Natural Gas	34.82	28.48	Ton/Ton
H2 (Hydrogen Gas)	2.59	2.70	Ton/Ton
N2 (Nitrogen Gas)	42.52	42.54	Ton/Ton
Full Hard Coil	1.00	1.00	Ton/Ton
NaOH	0.00071	0.00079	Ton/Ton
Phosphate Solution	0.00145	0.00133	Ton/Ton
Wet Oil	0.00108	0.00106	Ton/Ton
Chrome Free Solution	0.00114	0.0012	Ton/Ton
Chromate	0.00033	0.00035	Ton/Ton
Anti Rust Oil	0.000327	0.0003	Ton/Ton
Zinc	0.02406	0.02439	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Natural Gas	73102764	12753440	M3/Anum
HSD	2630	0.60	KL/A

**Part-C**

*Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)*

**[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
pH	7.83	7.83	0	5.5 to 9.0	With in Norms
Suspended Solids	6.01	8.22	0	<100 mg/Lit	With in Norms
BOD 3 Days	9.33	12.77	0	<30 mg/Lit	With in Norms
COD	45.45	62.19	0	<250 mg/Lit	With in Norms
Oil & Grease	0.21	0.292	0	<10 mg/Lit	With in Norms
Total Dissolved Solids	669.72	916.40	0	<2100 mg/Lit	With in Norms
Chlorides	295.99	405.00	0	<600 mg/Lit	With in Norms
Sulphates	120.68	165.12	0	<1000 mg/Lit	With in Norms
Lead (Pb)	0.003	0.004	0	<0.1 mg/Lit	With in Norms
Cadmium (Cd)	0.007	0.010	0	<2 mg/Lit	With in Norms
Total Chromium (Cr)	0.058	0.080	0	<2 mg/Lit	With in Norms
Nickel (Ni)	0.040	0.055	0	<3 mg/Lit	With in Norms
Zinc (Zn)	0.122	0.167	0	<5 mg/Lit	With in Norms
Iron (Fe)	0.174	0.238	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)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
Stack 1 Boiler Stack Particulate Matter	1.93	9.00	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	<4.8Kg/ Hr	With in Norms
NOX	1.61	4.00	0	<100 ppm	With in Norms
Stack 2 Furnace Stack Particulate Matter	6.62	12.30	0	<150 mg/Nm3	With in Norms
SOX	0.00	0.00	0	<4.8Kg/ Hr	With in Norms
NOX	1.68	1.70	0	<100 ppm	With in Norms
Stack 3 No.1 Cleaning Section Alkali Mist	0.40	1.47	0	< 35 mg/Nm3	With in Norms
Stack 4 Nano Coating Stack Acid Mist	0.00	0.00	0	< 35 mg/Nm3	With in Norms
Stack 5 Post Treatment Stack Acid Mist	0.14	0.5333	0	< 35 mg/Nm3	With in Norms

Stack 6 Pot Roll Cleaning Room - Acid Mist	1.08	3.99	0	< 35 mg/Nm <sup>3</sup>	With in Norms
Stack 7 DG Set 2000 KVA Particulate Matter	5.50	44.05	0	<150 mg/Nm <sup>3</sup>	With in Norms
SOX	0.041	0.33	0	<4.8Kg/Hr	With in Norms
NOX	5.40	23.00	0	<100 ppm	With in Norms
NMHC	3.50	28.00	0	<100 ppm	With in Norms
CO	4.78	34.00	0	<150 ppm	With in Norms

## Part-D

### **HAZARDOUS WASTES**

#### **1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	18.63	9.64	MT/A
6.3 Other residues from processing of zinc ash or skimmings	1555.43	1943.754	MT/A
Other Hazardous Waste	9.37	12.32	MT/A
12.2 Spent acid and alkali	19.96	40.63	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3009	2940	Nos./Y
1.6 Spent catalyst and molecular sieves	0.00	0.00	MT/A

#### **2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
35.3 Chemical sludge from waste water treatment	450.32	525.09	MT/A

## Part-E

### **SOLID WASTES**

#### **1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Metal Scrap	11538.47	15185.588	MT/A

#### **2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	0.00	0.00	MT/A

#### **3) Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0.00	0.00	MT/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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	9.64	MT/A	Oily, Organic Liquid Form
6.3 Other residues from processing of zinc ash or skimmings	1943.754	MT/A	Zinc Oxide, Solid Form
12.2 Spent acid and alkali	40.63	MT/A	NaOH ppt, Other Chemical ppt
Other Hazardous Waste	12.328	MT/A	CrO3
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	2940	Nos./Y	HDPE,MS Drum, Plastic Carboys etc.
35.3 Chemical sludge from waste water treatment	525.09	MT/A	Chemical ppt, Hydroxide, Sulphite, Phosphate etc.
1.6 Spent catalyst and molecular sieves	0.00	Kg/Annum	Molecular Sieves

## 2) Solid Waste

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Metal Scrap	15185.588	MT/A	Solid Metal Scrap

## Part-G

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
Solar lights installed on street & pedestrian path.	0.00	0.00	0	293.00	0.00	0.00
Installed Rain Water Harvesting Plant	30000	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**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
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	144
CGL MBR Membrane plate replacement for better work performance	Maintaining ETP plant in well condition (Maintenance of pollution control equipment)	66

**[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Separate Budget for Management of Environmental Functions	For Environmental Protection Measures	500

## Part-I

**Any other particulars for improving the quality of the environment.**

**Particulars**

Tree Plantation Plan for this year 4000Nos. nearby 32 Villages & 2000Nos within Plant premises with Horticulture contract & employed local manpower for Green Belt Development. Certification of EMS- ISO 14001:2015 Validity 23/02/2024

**Name & Designation**

In Kyo Bae -Dy. Managing Director

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000059526

**Submitted On:**

25-09-2023



bsi.

Annexure - XII - BSI Certifications

EMS - ISO 14001:2015



Annexure - XIV

# 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

Effective Date: 2021-02-24

Latest Revision Date: 2021-03-21

Expiry Date: 2024-02-23

Page: 1 of 2



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This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

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Printed copies can be validated at [www.bsi-global.com/ClientDirectory](http://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 MK5 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

Registered Activities

POSCO Maharashtra Steel Private Limited  
Plot No. C-1  
Vile Bhagad, MIDC Industrial Area  
Tal: Mangaon  
Dist. Raigad 402 308  
Maharashtra  
India

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

Posco Maharashtra Steel Private Limited  
7th Floor, World Trade Centre,  
Opp EON.Free Zone, MIDC Knowledge Park,  
Kharadi  
Pune 411 014  
Maharashtra  
India

HR & Admin

Original Registration Date: 2018-02-24

Effective Date: 2021-02-24

Latest Revision Date: 2021-03-21

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Page: 2 of 2

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Mr. Bay In Kyo  
Dy. Managing Director  
POSCO Maharashtra Steel Pvt. Ltd.  
Corporate Office

Sustainable  
Development  
Foundation



A UNIT OF EK KAAM DESH KE NAAM

**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 |                               |

*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

(Chairman)  
Sustainable Development Foundation  
(A unit of Ek Kaam Desh Ke Naam)

(Conference Chairman)  
(Former Advisor- MOEF & CC)

ENVIRONMENT



STEEL