

To,

The Regional Officer (North Central Zone),
Ministry of Environment, Forests & Climate Change,
25, Subhash Road, Dehradun-248001
Uttarakhand

Subject: Submission of Environment Clearance compliance report for Pantnagar Silver Refinery Plant (Refined Silver production 800TPA) of M/s Hindustan Zinc Limited, Plot No 2 & 3, Sector 14, IIE, SIDCUL, Pantnagar, Dist. U.S. Nagar for the period October-2019 to March-2020.

Ref; Letter No:- E.C. No.- 10-9(10)/2018 dated 08-02-2019 from SEIAA, Dehradun.

Dear Sir,

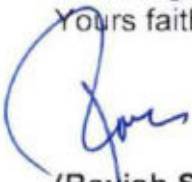
With reference to the aforesaid subject, we have obtained Environment Clearance from State Environment Impact Assessment Authority, Dehradun for Pantnagar Silver Refinery Plant (Refined Silver production 800TPA) on dated 08.02.2019.

Please find enclosed herewith the Compliance report of Environment Clearance for Pantnagar Silver Refinery Plant of M/s Hindustan Zinc Limited, Plot No 2 & 3, Sector 14, IIE, SIDCUL, Pantnagar, Dist. U.S. Nagar for the period of October-2019 to March-2020.

In case any additional information / documents / clarifications are required, the same may kindly be informed to us.

Thanking you.

Yours faithfully,



(Ravish Sharma)

SBU Director

Pantnagar Silver Refinery Plant
Hindustan Zinc Limited

Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No 2&3, Sector 14, IIE, SIDCUL,
Rudrapur - 263153, Uttarakhand.

- CC: 1. Member Secretary, SEIAA, Dehradun
2. MS office, UEPPCB, Dehradun
3. Regional Officer, UEPPCB, Kashipur
4. Office copy, HZL

Hindustan Zinc Limited

Pantnagar Metal Plant

Plot No. 2 & 3, Sector 14, IIE, SIDCUL Pantnagar

☎: 05944-257300, www.hzindia.com

Regd. Office: Yashad Bhawan, Udaipur (Rajasthan) - 313 004

CIN : L27204RJ1966PLC001208

Compliance Report of Environment Clearance (October-2019 to March-2020)

Name of the Project: M/s Hindustan Zinc Limited
Pantnagar Silver Refinery Plant

Location of the Project: Plot No.- 2 & 3, Sector 14, IIE, SIDCUL,
Pantnagar, District - Udham Singh Nagar,
Uttarakhand - 263153

(Letter No: E.C. No.- 10-9(10)/2018 dated 08-02-2019)

S. N.	Specifications	Status
	<u>Pre Operation-</u>	
1	The project proponent should advertise with basic details at least in two widely circulated local newspapers, within seven (7) days of the receipt of the clearance letter informing that the project has been accorded environmental clearance which is available with the State Environment Impact Assessment Authority, Dehradun and a copy of the same is being sent to the Regional Office of Ministry of Environment and Forest, Government of India located at 25 Subhash road Dehradun.	Complied. Silver 800 TPA Environment Clearance letter was received on 08.02.2019. It was advertised in two local newspapers i.e. Amar Ujala & Danik Jagran on date 10.02.2019. Advertisement copy was submitted to SEIAA, Dehradun and RO, MOEF office Dehradun along with compliance report vide letter no HZL/PMP/18-19/H-II dated 03.04.2019.
2	A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchyat, if any from whom suggestion/representation, if any, were received while processing the proposal.	Complied. Copy of Environment Clearance letter submitted to the Zila Panchyat office Udham Singh Nagar (Rudrapur) on date 11.02.2019. Receiving copy was submitted along with compliance report vide letter no HZL/PMP/18-19/H-II dated 03.04.2019.
3	Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.	Complied. Consent to Establish and Consent to Operate obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act on 28.02.2019 & 29.03.2019 respectively. Also renewal CCA FY2019-20 has been granted on date-17.09.2019 and renewal FY2020-21 also applied having application number- 254848.
4	There shall be no felling of tress at the construction site and further no damage to the local vegetation shall be done. The installation of equipments/machineries shall be done within the vacant space available in the plant premises.	Complied as no tree felling and no damage to local vegetation done at construction site. The new equipments/machineries being installed within the vacant space available in the plant premises.
	<u>During Operation Phase-</u>	
1	The Environmental Clearance is being granted for Refined Silver production from 600 TPA to 800 TPA (monthly 85 tonnes per month with overall 800 tons per annum). Apart from 800 TPA Refined Silver (powder/ingot etc.) product, Antimony	Noted and Being complied.

Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.2&3, Sector 14, IIE, SIDCUL,
Rudrapur - 263153, Uttarakhand

	Concentrate(precipitate/salt mix)- 1800TPA, Bismuth Concentrate(precipitate/salt mix)-360TPA, Copper Matte-140TPA, and Oxidation Slag- 1250TPA, Silver Nitrate-25TPA, Silver anode slime/Silver sand- 10TPA, Lead slag-450TPA, VRF zinc- 650TPA, VRF zinc dross- 100TPA will also be produced as a by-products. Major raw materials are Anode Slime/Dore Silver/HGM (high grade metal) - 4680TPA which will be procured from HZL's smelters and from open market. Other consumables are Coke- 87 TPA, Soda Ash- 250 TPA, Salt peter (Potassium Nitrate)- 89 TPA, Nitric acid- 150 TPA, Ethyne- 10 TPA, Charcoal- 20 TPA, Sodium Chloride- 15 TPA, Borax- 15 TPA, LDO/HSD/LNG/LHSH/PNG/LPG- 4500 TPA, Calcium Fluoride- 40 TPA, Sulphuric Acid- 5 TPA and Lime 5 TPA.	
2	Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act before starting up of any construction activity at the site.	Complied. Consent to Establish and Consent to Operate obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act and Central Water Act on 28.02.2019 & 29.03.2019 respectively. Also renewal CCA FY2019-20 has been granted on date-17.09.2019 and renewal FY2020-21 also applied having application number- 254848.
3	A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchyat, if any from whom suggestion/representation, if any, were received while processing the proposal.	Complied. Copy of Environment Clearance letter submitted to the Zila Panchyat office Udhm Singh Nagar (Rudrapur) on date 11.02.2019. Receiving copy was submitted along with compliance report vide letter no HZL/PMP/18-19/H-II dated 03.04.2019.
4	The soil and groundwater samples shall be tested from accredited labs and it shall be ensured that test results comply with CPCB standards so as to ensure that there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants.	The soil and groundwater samples are being tested regularly by NABL accredited lab (M/s Eko Pro Engineers, Ghaziabad) and all test results are being complied with CPCB standard. Zero effluents generated from the plant so there is no threat to groundwater quality by leaching of heavy metals and toxic contaminants. Test reports are being attached herewith as Annexure 1(a).
5	No waste water shall be discharged outside the plant boundary and 'Zero Discharge' shall be strictly adhered to permissible standards.	'Zero Liquid discharge' maintained and is being ensured.
6	The gaseous emissions (SOx, NOx, CO) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Gaseous emissions of SOx, NOx, CO and Particulate matter being monitored periodically by NABL authorized third party (external agency). Emission levels are being ensured as per the stipulations. Test reports are being attached herewith as Annexure 1(b). During failure of pollution control system, will ensure the compliance. In addition, online PM analyzers in all process

		stacks, SOx, NOx & PM analyzer in DG stacks installed for effective monitoring & control the emissions. Photos of the analysers are attached as Annexure 2.
7	Fugitive emissions in the work zone environment, product and raw materials storage areas shall be regularly monitored. The emissions shall conform to the limits imposed by the UEPPCB/Central Pollution Control Board.	Hygiene ventilation systems have been installed to arrest fugitive emissions. Work zone monitoring is being done monthly, In the Raw material handling, process and finished good area and emission maintained below the limit. Fugitive emission levels are being ensured as per the stipulations. Test reports are being attached herewith as Annexure 1(c).
8	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storages and Import of Hazardous Chemicals Rules, 1989, as amended from time to time. Authorization from the UEPPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Appropriate storage facilities have been installed for storing Hazardous chemicals/wastes. Authorization for the year 2019-20 of Hazardous waste under Hazardous Waste Rules 2008 has been granted by UEPPCB along with CCA and renewal FY2020-21 also applied having application number- 254848. Photos of the HW storage site are attached as Annexure 3.
9	Installed furnace should meet the air pollution discharge norms of CPCB/ UEPPCB.	Installed furnaces have equipped with adequate and 99.5% efficient bag filter to ensure the air pollution discharge norms as per CPCB/UEPPCB.
10	The ambient air quality and noise levels as per CPCB norms shall be ensured through a monitoring system. Dust Suppression during construction activity shall be ensured. Acoustic enclosures shall be provided with DG sets on site complying with Noise Levels of CPCB standards.	The ambient air quality and noise levels as per CPCB norms are being ensured through monthly monitoring through NABL certified lab. Acoustic enclosures provided with DG sets on site complying with Noise Levels of CPCB standards. Test reports are being attached herewith as Annexure 1(d).
11	The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB.	Being complied. All the vehicles engaged in transportation of product and raw materials are regularly checked for "Pollution Under Control" certificates. No overloading is allowed. Integrated Transport Management System (ITMS) is being used for effective control of vehicular traffic. Emission and Noise level being complied and results are attached as Annexure 1(a) & 1(d).
12	All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.	Being complied. First Aid facility equipped with trained staff already provided in plant premises. IME for new manpower and PME for regular manpower being ensured as per statutory requirements.
13	Adequate drinking water and sanitation facility shall be provided on site for the workforce.	Being complied. Adequate drinking water and sanitation facility already provided within plant promises.
14	Training shall be imparted to all employees on safety and health aspects. Pre- employment and routine	Being complied. Trainings to all employees on Safety and health aspects are being provided on

	periodical medical examinations for all employees shall be undertaken on regular basis.	regular interval. Pre-employment & periodic medical examination are being carried out for the relevant occupational hazards at a regular frequency, as per statutory requirements.
15	The project authority shall also comply with all the environment protection measures and safeguards proposed in the EIA/EMP report. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Environment protection measures and safeguards recommended in the EIA/EMP report being implemented.
16	A separate Environmental Management Cell shall be set up to carry out the Environmental Management functions.	Separate Environment Management cell is already in place for all Environment Management functions. Environmental monitoring being ensured through Authorized third party (external agency) regularly.
17	The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.	Fire safety arrangements equipped with dedicated Fire tender and team already provided in plant premises. Fire hydrants are in auto mode. Onsite Emergency response plan already in place.
18	Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and other particles.	Complied. Three rain water storage ponds of capacity 2542, 1500 and 841 cum already provided inside the plant area for maximum storage & reuse of the rainwater in the process. In FY 2019-20, we have reused around 13,638 cu.m rainwater in the process for conserving the fresh water. Photograph of the same is attached herewith as Annexure-4.
19	Energy conservation measures to be adopted for reducing the energy consumption.	Being complied. Various energy conservations measures being adopted in plant for reducing the energy consumption.
20	At no time the emissions shall exceed the prescribed limits in the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Being complied. All the emissions are being maintained within prescribed limit. Inter locked pollution control system are in place and functioning.
21	The locations of ambient air quality monitoring stations shall be reviewed in consultation with UEPPCB, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Complied. Four Ambient air quality monitoring location already finalized in the downwind direction of the plant in consultation with RO, UEPPCB. CAAQMS installed at plant premises.
22	The stacks of appropriate height as per the central pollution board guidelines shall be provided to control the emissions.	Complied. Adequate stack height is provided as per CPCB guidelines: <ul style="list-style-type: none"> • 40 m stack height for furnace off gases • 30 m stack height with NOx scrubber provided in electrolyte section Photo of stack is attached herewith as Annexure 5.
23	The overall noise levels in and around the plant area shall be kept well within the standards by providing	Being complied. Various noise reduction measures are adopted, to ensure compliance to

	noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standard prescribed under Environment (Protection) Act, 1986 rules, 1989 viz. 75 dB(A) (day time) and 70dB(A) (Night time).	Ambient noise standards, at the design stage of the projects as: Acoustic enclosure provided for DG set and all the necessary provision made in compressor area. Noise level monitoring is being done and ensured within limit reports are attached herewith as Annexure 1(d).
24	One third of the total project site area shall be converted into green belt. The green belt shall not include kitchen garden, flower pots and grasses/herbs in the area. It shall comprise of tree stand of aesthetic/fruit/timber value. Quality planting material shall be used during plantation as per standards of State Forest Department. The species selection should include criterion of fruit bearing and fast growing tall trees. The concerned official of State Forest Department shall ensure the compliance.	Complied. The greenbelt more than 33 per cent area has been covered by selection of plant species as per CPCB guideline and in consultation with DFO. However, gap filling plantation is being carried out to maintain the survival rate of the plants.
25	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated E.C conditions including results of monitored data in soft copy to this Authority and regional office of MoEF, Govt. of India at Dehradun.	Being Complied. Last six monthly compliance report was submitted to SEIAA, Dehradun and RO, MOEF office Dehradun vide letter no HZLP/SRP/19-20/H-I dated 13.11.2019. Six monthly compliance reports are being uploaded on company website. Link of website uploading EC compliance of April'2019 to September'2019 is https://www.hzllindia.com/wp-content/uploads/EC-Compliance-Report-Silver-plant_H1_2019-20-Pantnagar-Metal-Plant-14-11-2019.pdf
	Entire Life—	
1	The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB.	Being complied. All the vehicles engaged in transportation of product and raw materials are regularly checked for "Pollution Under Control" certificates. No overloading is allowed. Integrated Transport Management System (ITMS) is being used for effective control of vehicular traffic. Emission and Noise level being complied and results are attached as Annexure 1(a) & 1(d).
2	All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower to deal with emergency cases shall be engaged. The labour force engaged on site shall be screened for health from time to time.	Being complied. First Aid facility equipped with trained staff already provided in plant premises. IME for new manpower and PME for regular manpower being ensured as per statutory requirements.
3	Adequate drinking water and sanitation facility shall be provided on site for the workforce.	Being complied. Adequate drinking water and sanitation facility already provided within plant promises.
4	Training shall be imparted to all employees on safety and health aspects. Pre- employment and routine periodical medical examinations for all employees shall be undertaken	Being complied. Trainings to all employees on Safety and health aspects are being provided on regular interval.

Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.2&3, Sector 14, IIE, SIDCUL,
Rudrapur – 263153, Uttarakhand.

	on regular basis.	Pre-employment & periodic medical examination are being carried out for the relevant occupational hazards at a regular frequency, as per statutory requirements.
5	The project authority shall also comply with the entire environment protection measures and safeguards proposed in the EIA/EMP report. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	Environment protection measures and safeguards recommended in the EIA/EMP report being implemented.
6	The fire safety arrangements and emergency exit plan should be as per the norms of the concerned regulatory authority/agency.	Fire safety arrangements equipped with dedicated Fire tender and team already provided in plant premises. Fire hydrants are in auto mode. Onsite Emergency response plan already in place.
7	Rainwater harvesting for surface run off shall be ensured. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and other particles.	Complied. Three rain water storage ponds of capacity 2542, 1500 and 841 cum already provided inside the plant area for maximum storage & reuse of the rainwater in the process. In FY 2019-20, we have reused around 13,638 cu.m rainwater in the process for conserving the fresh water. Photograph of the same is attached herewith as Annexure-4.
8	The project proponent shall ensure compliance to provisions of the all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.	Noted and being complied.
9	The above environmental safeguards shall be implemented in letter and spirit. The project proponent shall establish Environment Monitoring Cell and also submit six monthly compliance reports to this Authority and regional office of MoEF, Govt. of India at Dehradun.	Separate Environment Management cell is already in place for all Environment Management functions. Environmental monitoring being ensured through Authorized third party (external agency) regularly.
10	The SEIAA reserves the right to include additional safeguard measures if found necessary and also to take action including revoking of the EC granted under provision of EIA Notification 2006. This EC is being granted subject to compliance of Hon'ble Court Orders issued from time to time.	Noted.
11	The SEIAA Uttarakhand reserves the right to withdraw the Environmental Clearance or add additional conditions.	Noted.
12	If this Environmental Clearance is transferred then fresh Environment Clearance is to be obtained under EIA notification dated 14.09.2006. However, no activity shall be undertaken till the Environment Clearance is transferred in his name and he is lawfully bound to Comply with the conditions of the Environmental Clearance.	Noted.
13	Corporate Environment Responsibility be followed as proposed.	Corporate Environment Responsibility is being carried out through various projects planned in the financial year under CSR program. Copy of the initiatives are attached as Annexure-6

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/4th, South Side of G. T. Road, UPSIDC Industrial Area, Gurgaon - 20, 200 (Distt-NCR) INDIA
Contact No. : 971159210 971159427 SMS/Whatsapp No : 9711163422; Email : info@ekopro.in, ekoproengineers@gmail.com ; www.ekopro.in**TEST REPORT**
Water Sample Analysis

Test Report No : EKO/229/271219

Issue Date : 02/01/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

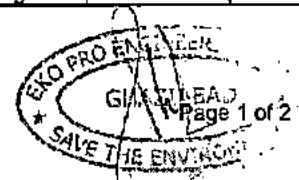
IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ground Water
 Sample Drawn on : 26/12/2019
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/12/2019
 Sampling Location : From Borewell
 Sampling Plan & Procedure : SOP-W/86
 Sample Quantity : 3.0 Litre
 Environmental Conditions : Normal
 Analysis Duration : 27/12/2019 To 31/12/2019
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per IS: 10500-2012 (Amd.No.2 Sep-2018)	
					Acceptable	Permissible
1	Colour	IS: 3025 (P-4)	<1.0	Hazen	5.0	15.0
2	Odour	IS: 3025 (P-5)	Agreeable	—	Agreeable	Agreeable
3	Taste	IS: 3025 (P-7)	Agreeable	—	Agreeable	Agreeable
4	Turbidity	IS: 3025 (P-10)	<1.0	NTU	1.0	5.0
5	pH	IS: 3025 (P-11)	7.62	—	6.5-8.5	No relaxation
6	Total Hardness (as CaCO ₃)	IS: 3025 P-21)	180.0	mg/L	200.0	600.0
7	Calcium (as Ca)	IS: 3025 (P-40)	34.8	mg/L	75.0	200.0
8	Iron (as Fe) [#]	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	1.0	No relaxation
9	Chloride (as Cl)	IS: 3025 (P-32)	30.0	mg/L	250.0	1000.0
10	Residual Free Chlorine	IS: 3025 (P-26)	<0.1	mg/L	0.2	1.0
11	Fluoride (as F)	IS: 3025 (P-60)	<1.0	mg/L	1.0	1.5
12	Total Dissolved Solids	IS: 3025 (P-16)	310.0	mg/L	500.0	2000.0
13	Magnesium (as Mg)	IS: 3025 (P-46)	22.6	mg/L	30.0	100.0
14	Copper (as Cu)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.05	1.5
15	Manganese (as Mn) [#]	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.1	0.3
16	Sulphate (as SO ₄)	IS: 3025 (P-24)	36.9	mg/L	200.0	400.0
17	Nitrate (as NO ₃)	IS: 3025 (P-34)	1.24	mg/L	45.0	No relaxation
18	Phenolic Compounds(as C ₆ H ₅ OH)	IS: 3025 (P-43)	<0.001	mg/L	0.001	0.002
19	Mercury (as Hg)	EKO/CHEM/SOP-ICPMS/W-01	<0.001	mg/L	0.001	No relaxation
20	Selenium (as Se)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.01	No relaxation
21	Arsenic (as As)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.01	No relaxation
22	Cyanide (as CN)	APHA 4500 CN-K	Absent	mg/L	0.05	No relaxation
23	Lead (as Pb)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.01	No relaxation
24	Zinc (as Zn)	EKO/CHEM/SOP-ICPMS/W-01	<0.01	mg/L	5.0	15.0





Contact : +91 - 9810243573

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32A-1, South Side of G. T. Road, UPSIDC Industrial Area, Gharolabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 971179210, 971179212, SMS/Whatsapp No. : 971163422, E-mail : ekopro@gmail.com, ekoproengineers@gmail.com, website : www.ekopro.com

Test Report No : EKO/229/271219

Issue Date : 02/01/2020

25	Total Chromium (as Cr)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.05	No relaxation
26	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23)	172.0	mg/L	200.0	500.0
27	Aluminium (as Al)	EKO/CHEM/SOP-ICPMS/W-01	<0.005	mg/L	0.03	0.2
28	Boron (as B)	IS: 3025 (P-57)	<0.25	mg/L	0.5	2.4
29	Cadmium (as Cd)	EKO/CHEM/SOP-ICPMS/W-01	<0.001	mg/L	0.003	No relaxation
30	Anionic Detergents (as MBAS)	APHA 5540	<0.1	mg/L	0.2	1.0
31	Total Coliform	IS: 1622	Absent	MPN/100ml	Should be Absent	No relaxation
32	E.coli	IS: 1622	Absent	Per 100mL	Should be Absent	No relaxation

Remarks:- Standard Applicable only for Drinking Water.

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. (* non accredited parameter).
2. The customer asked for the above tests only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
4. The test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
6. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
SHIVANGI SINGH RAIZADA
SECTION INCHARGE MICROBIOLOGY
(Authorised Signatory)

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUHAN
* TECHNICAL MANAGER
(Authorised Signatory)

**EKO PRO ENGINEERS PVT. LTD.**

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
 Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711153422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT**Stack Emission Analysis**

Test Report No. : EKO/146/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Stack Emission
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Time of Sampling (minutes) : 30.0
 Sampling Location : NA
 Sampling Plan & Procedure : SOP-SE/09
 Analysis Duration : 27/02/2020 To 03/03/2020
 Source of Emission : Stack Attached To Furnace
 Capacity : 20.8 MT/Day Total
 Operating Load : 2.5 MT
 Normal Operation Schedule : Batch Wise (3 Shift)
 Type of Stack : Metallic With Refractory Lining
 Diameter of Stack (meter) : 1.6 at top
 Height of Stack from Ground Level (meter) : 40.0
 Height of Stack from Roof Level (meter) : 21.8
 Height of Sampling Location (meter) : 23.3
 Type of Fuel Used : HSD
 Fuel Consumed per hour : 200.0 lph
 Ambient Temperature (°C) : 22.0
 Stack Temperature (°C) : 150.0
 Average Velocity of Flue Emission (m/sec) : 7.2
 Average Flow Rate (lpm) : 23.4
 Control Measures (if any) : Nil
 Remark (if any) : Sampling Instrument Used-Stack Monitoring kit APM-610

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per EPA-1986 Schedule -VI Part-D
1	Particulate Matter (as PM)	IS: 11255 (P-1)	31.2	mg/Nm ³	150.0
2	Sulphur Dioxide (as SO ₂)	IS: 11255 (P-2)	11.3	mg/Nm ³	-
3	Oxide of Nitrogen (as NOx)	IS: 11255 (P-7)	51.9	mg/Nm ³	-
4	Carbon Monoxide (as CO)	IS: 13270	<0.2	% V/V	1.0
5	Lead (as Pb)	USEPA (P-12)	<1.0	mg/Nm ³	10.0
6	Total Hydrocarbon (as HC)	IS: 5182 (P-17)	ND	mg/Nm ³	-
7	Total VOC	IS: 5182 (P-11)	ND	mg/Nm ³	-

Notes :

- The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
 TECHNICAL MANAGER
 (Authorised Signatory)

Page 1 of 1



EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No. : EKO/144/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.
Plot No. 2 Sec-14
IIE, Sidcul Pantnagar
Rudrapur - Uttarakhand

Sample Description	: Stack Emission
Sample Drawn on	: 25/02/2020
Sample Drawn by	: EPEPL (Mr. Rahul Kashyap)
Sample Received on	: 27/02/2020
Time of Sampling (minutes)	: 30.0
Sampling Location	: NA
Sampling Plan & Procedure	: SOP-SE/09
Analysis Duration	: 27/02/2020 To 03/03/2020
Source of Emission	: Stack Attached To Nox Scrubber
Capacity	: -
Operating Load	: Normal
Normal Operation Schedule	: Batch Wise (3 Shift)
Type of Stack	: Metallic & PP Lining
Diameter of Stack (meter)	: 1.1 at top
Height of Stack from Ground Level (meter)	: 20.0
Height of Stack from Roof Level (meter)	: 1.8
Height of Sampling Location (meter)	: 17.3
Type of Fuel Used	: -
Fuel Consumed per hour	: -
Ambient Temperature (°C)	: 22.0
Stack Temperature (°C)	: 89.0
Average Velocity of Flue Emission (m/sec)	: 6.2
Average Flow Rate (lpm)	: 23.9
Control Measures (if any)	: Nox Scrubber
Remark (if any)	: Sampling Instrument Used-Stack Monitoring kit APM-610

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per EPA-1986 Schedule -VI Part-D
1	Particulate Matter (as PM)	IS: 11255 (P-1)	22.4	mg/Nm ³	150.0
2	Sulphur Dioxide (as SO ₂)	IS: 11255 (P-2)	8.36	mg/Nm ³	-
3	Oxide of Nitrogen (as NOx)	IS: 11255 (P-7)	41.2	mg/Nm ³	-
4	Carbon Monoxide (as CO)	IS: 13270	<0.2	% V/V	1.0
5	Lead (as Pb)	USEPA (P-12)	<1.0	mg/Nm ³	10.0
6	Total Hydrocarbon (as HC)	IS: 5182 (P-17)	ND	mg/Nm ³	-
7	Total VOC	IS: 5182 (P-11)	ND	mg/Nm ³	-

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)

Page 1 of 1

EKO PRO

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711159210, 9711159427 SMS/Whatsapp No. : 9711163422 E-mail : email@ekoindia.in, ekoengineers@gmail.com, website : www.ekoindia.in**TEST REPORT****Workzone Air Quality Monitoring**

Test Report No. : EKO/152/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Siddul Panthagar

Rudrapur - Uttarakhand

Sample Description : Workzone Air
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Furnace Area in Silver Plant
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 03/03/2020
 Sampling Time : 08 Hrs.
 Ambient Temperature (°C) : 22.0
 Average Flow Rate of SPM (m³/min) : 1.85
 Average Flow Rate of Gases (lpm) : 1.85
 Weather Condition : Clear
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Permissible Limits
1	SPM	IS: 5182 (P-4)	0.519	mg/m ³	15.0 as per OSHA
2	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	0.006	mg/m ³	5.0 as per Factories Act, 1948
3	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	0.016	mg/m ³	6.0 as per Factories Act, 1948
4	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	0.15 as per Factories Act 1948
5	Zinc (as Zn)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	-

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

Page 1 of 1

EKO PRO

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711159210, 9711159427, 9711163422; WhatsApp No. : 9711163422; E-mail : ekopro@ekoproengineers.com, ekoproengineers@gmail.com; website : www.ekopro.com**TEST REPORT****Workzone Air Quality Monitoring**

Test Report No. : EKO/153/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Workzone Air
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Bag Filter Area Silver Plant
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 03/03/2020
 Sampling Time : 08 Hrs.
 Ambient Temperature (°C) : 22.0
 Average Flow Rate of SPM (m³/min) : 1.7
 Average Flow Rate of Gases (lpm) : 1.7
 Weather Condition : Clear
 Remark (if any) : NA

RESULTS

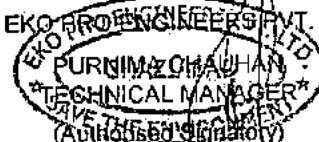
S. No.	Parameters	Test Methods	Results	Units	Permissible Limits
1	SPM	IS: 5182 (P-4)	0.592	mg/m ³	15.0 as per OSHA
2	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	0.010	mg/m ³	5.0 as per Factories Act, 1948
3	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	0.019	mg/m ³	6.0 as per Factories Act, 1948
4	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	0.15 as per Factories Act, 1948
5	Zinc (as Zn)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	-

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.



Page 1 of 1

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711159210, 9711159427 SMS/WhatsApp No. : 9711163422; E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Workzone Air Quality Monitoring**

Test Report No. : EKO/154/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED,

Plot No. 2 Sec-14

IIE, Sidcul Panthnagar

Rudrapur - Uttarakhand

Sample Description : Workzone Air
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Silver Plant Hydro Top Floor
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 03/03/2020
 Sampling Time : 08 Hrs.
 Ambient Temperature (°C) : 22.0
 Average Flow Rate of SPM (m³/min) : 1.75
 Average Flow Rate of Gases (lpm) : 1.75
 Weather Condition : Clear
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Permissible Limits
1	SPM	IS: 5182 (P-4)	0.428	mg/m ³	15.0 as per OSHA
2	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	0.009	mg/m ³	5.0 as per Factories Act, 1948
3	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	0.017	mg/m ³	6.0 as per Factories Act, 1948
4	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	0.15 as per Factories Act, 1948
5	Zinc (as Zn)	EKO/CHEM/SOP/AAQ-02	< 0.1	mg/m ³	-

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHARY
 TECHNICAL MANAGER
 Authorised Signatory

Page 1 of 1

EKO PRO



EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT Noise Monitoring

Issue Date : 03/03/2020

Test Report No. : EKO/159/270220
Issued To

: HINDUSTAN ZINC LIMITED
Plot No. 2 Sec-14
IIE, Sidcul Panthnagar
Rudrapur - Uttarakhand

Sample Description : Workzone Noise
Sample Drawn on : 26/02/2020
Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
Sample Received on : 27/02/2020
Sampling Location : PYRO Section Of Silver Plant
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 27/02/2020 To 28/02/2020
Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	69.8	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	64.2	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHAN
TECHNICAL MANAGER
(Authorised Signatory)

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G.T. Road, UPSIDG Industrial Area Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No : 9711159210, 9711159427, SMS/Whatsapp No : 9711153422 E-mail : amc@ekopro.in, ekoproengineers@gmail.com, website : www-ekopro.in**TEST REPORT****Noise Monitoring**

Test Report No. : EKO/160/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Workzone Noise
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Bag Filter In-Silver Plant
 Sampling Plan & Procedure : SOP-N/01
 Weather Condition : Normal
 Analysis Duration : 27/02/2020 To 28/02/2020
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	72.6	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	65.8	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





Contact : -91 - 997076779

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G.T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No : 9711159210, 9711159427, SMS/Whatsapp No : 9711163472 E-mail : email@ekoproengineers@gmail.com, website : www.ekopro.com

TEST REPORT

Noise Monitoring

Test Report No. : EKO/160/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Workzone Noise
Sample Drawn on : 26/02/2020
Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
Sample Received on : 27/02/2020
Sampling Location : Bag Filter In Silver Plant
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 27/02/2020 To 28/02/2020
Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	72.6	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	65.8	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA MAHAJAN
TECHNICAL MANAGER
(Authorized Signatory)

EKO PRO



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9711159210, 9711159427. SMS/Whatsapp No. : 9711163422. E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Ambient Air Quality Monitoring**

Test Report No. : EKO/135/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED

Plot No. 2, Sec - 14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Air
 Sample Drawn on : 26/02/2020 To 27/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Back Side of DG Area
 Sampling Time : 24.0 Hrs
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 02/03/2020
 Ambient Temperature (°C) : 21.0
 Average Flow Rate of SPM (m³/min.) : 1.1
 Average Flow Rate of Gases (lpm) : 1.0
 Weather Conditions : Clear
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per CPCB Notification, 18th Nov 2009
1	Particulate Matter (PM10)	IS: 5182 (P-23)	82.6	µg/m ³	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	51.8	µg/m ³	60.0
3	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	10.2	µg/m ³	80.0
4	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	32.4	µg/m ³	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.72	mg/m ³	4.0
6	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	<0.1	µg/m ³	1.0
7	Nickel (as Ni)	EKO/CHEM/SOP/AAQ-02	<15.0	ng/m ³	20.0
8	Arsenic (as As)	EKO/CHEM/SOP/AAQ-02	<5.0	ng/m ³	6.0
9	Ozone (as O ₃)	IS: 5182 (P-9)	<10.0	µg/m ³	180.0
10	Ammonia (as NH ₃)	APHA Method 401	<20.0	µg/m ³	400.0
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	<1.0	µg/m ³	5.0
12	Benzo(alpha) Pyrene-Particulate Phase Only	EKO/CHEM/SOP/AAQ-09	<1.0	ng/m ³	1.0

Notes :

- The results given above are related to the tested sample, for various parameters, as observed at the time of at the time of Sampling. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711163422; E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Ambient Air Quality Monitoring**

Test Report No. : EKO/136/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2, Sec - 14

IIE, Sidcul Panthnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Air
 Sample Drawn on : 26/02/2020 To 27/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : SE Corner of Lead Plant
 Sampling Time : 24.0 Hrs.
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 02/03/2020
 Ambient Temperature (°C) : 21.0
 Average Flow Rate of SPM (m³/min.) : 1.1
 Average Flow Rate of Gases (lpm) : 1.0
 Weather Conditions : Clear
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per CPCB Notification, 18th Nov 2009
1	Particulate Matter (PM10)	IS: 5182 (P-23)	78.4	µg/m ³	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	49.3	µg/m ³	60.0
3	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	13.5	µg/m ³	80.0
4	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	34.5	µg/m ³	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.74	mg/m ³	4.0
6	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	<0.1	µg/m ³	1.0
7	Nickel (as Ni)	EKO/CHEM/SOP/AAQ-02	<15.0	ng/m ³	20.0
8	Arsenic (as As)	EKO/CHEM/SOP/AAQ-02	<5.0	ng/m ³	6.0
9	Ozone (as O ₃)	IS: 5182 (P-9)	<10.0	µg/m ³	180.0
10	Ammonia (as NH ₃)	APHA Method 401	<20.0	µg/m ³	400.0
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	<1.0	µg/m ³	5.0
12	Benzo(alpha) Pyrene-Particulate Phase Only	EKO/CHEM/SOP/AAQ-09	<1.0	ng/m ³	1.0

Notes :

- The results given above are related to the tested sample, for various parameters, as observed at the time of at the time of Sampling. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
 PURNIMA CHAUHAN
 TECHNICAL MANAGER
 (Authorised Signatory)

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9711158210, 9711159427, SMS/WhatsApp No. : 9711163422 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Ambient Air Quality Monitoring**

Test Report No. : EKO/137/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2, Sec - 14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Air
 Sample Drawn on : 26/02/2020 To 27/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Near Security Main Gate
 Sampling Time : 24.0 Hrs.
 Sampling Plan & Procedure : SOP-AAQ/15
 Analysis Duration : 27/02/2020 To 02/03/2020
 Ambient Temperature (°C) : 21.0
 Average Flow Rate of SPM (m³/min.) : 1.1
 Average Flow Rate of Gases (lpm) : 1.0
 Weather Conditions : Clear
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per CPCB Notification, 18th Nov 2009
1	Particulate Matter (PM10)	IS: 5182 (P-23)	79.6	µg/m ³	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	51.3	µg/m ³	60.0
3	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	14.2	µg/m ³	80.0
4	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	31.4	µg/m ³	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.78	mg/m ³	4.0
6	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	<0.1	µg/m ³	1.0
7	Nickel (as Ni)	EKO/CHEM/SOP/AAQ-02	<15.0	ng/m ³	20.0
8	Arsenic (as As)	EKO/CHEM/SOP/AAQ-02	<5.0	ng/m ³	6.0
9	Ozone (as O ₃)	IS: 5182 (P-9)	<10.0	µg/m ³	180.0
10	Ammonia (as NH ₃)	APHA Method 401	<20.0	µg/m ³	400.0
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	<1.0	µg/m ³	5.0
12	Benzo(alpha) Pyrene-Particulate Phase Only	EKO/CHEM/SOP/AAQ-09	<1.0	ng/m ³	1.0

Notes :

- The results given above are related to the tested sample, for various parameters, as observed at the time of at the time of Sampling. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
 PURNIMA CHAUHAN
 TECHNICAL MANAGER
 (Authorised Signatory)



EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9711159210, 9711159427. SMS/Whatsapp No. : 9711163422. E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/138/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2, Sec - 14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Air
Sample Drawn on : 26/02/2020 To 27/02/2020
Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
Sample Received on : 27/02/2020
Sampling Location : Canteen East Side in New Plant
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 27/02/2020 To 02/03/2020
Ambient Temperature (°C) : 21.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per CPCB Notification, 18th Nov 2009
1	Particulate Matter (PM10)	IS: 5182 (P-23)	73.8	µg/m ³	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	42.6	µg/m ³	60.0
3	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	13.5	µg/m ³	80.0
4	Nitrogen Dioxide (as NO ₂)	IS: 5182 (P-6)	32.8	µg/m ³	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.74	mg/m ³	4.0
6	Lead (as Pb)	EKO/CHEM/SOP/AAQ-02	<0.1	µg/m ³	1.0
7	Nickel (as Ni)	EKO/CHEM/SOP/AAQ-02	<15.0	ng/m ³	20.0
8	Arsenic (as As)	EKO/CHEM/SOP/AAQ-02	<5.0	ng/m ³	6.0
9	Ozone (as O ₃)	IS: 5182 (P-9)	<10.0	µg/m ³	180.0
10	Ammonia (as NH ₃)	APHA Method 401	<20.0	µg/m ³	400.0
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	<1.0	µg/m ³	5.0
12	Benzo(alpha) Pyrene-Particulate Phase Only	EKO/CHEM/SOP/AAQ-09	<1.0	ng/m ³	1.0

Notes :

- The results given above are related to the tested sample, for various parameters, as observed at the time of at the time of Sampling. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PUJAN CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
 Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT**Noise Monitoring**

Test Report No. : EKO/156/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Panthnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Noise
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Back Side Of DG Area
 Sampling Plan & Procedure : SOP-N/01
 Weather Condition : Normal
 Analysis Duration : 27/02/2020 To 28/02/2020
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	71.2	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	63.4	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHARY
 TECHNICAL MANAGER
 (Attested Signature)



Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
 Contact No : 9711159210, 9711159427, SMS/Whatsapp No : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT**Noise Monitoring****Test Report No. : EKO/157/270220****Issue Date : 03/03/2020**

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Noise
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Near Main Gate
 Sampling Plan & Procedure : SOP-N/01
 Weather Condition : Normal
 Analysis Duration : 27/02/2020 To 28/02/2020
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	64.9	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	56.8	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
 TECHNICAL MANAGER
 (Authorized Signatory)

**EKO PRO ENGINEERS PVT. LTD.**Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 008 (Delhi-NCR) INDIA.
Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711163422; E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Noise Monitoring**

Test Report No. : EKO/158/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED
Plot No. 2 Sec-14
IIE, Sidcul Pantnagar
Rudrapur - Uttarakhand

Sample Description : Ambient Noise
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : East Side Of Canteen in New Plant
 Sampling Plan & Procedure : SOP-N/01
 Weather Condition : Normal
 Analysis Duration : 27/02/2020 To 28/02/2020
 Remark (if any) : NA

RESULTS

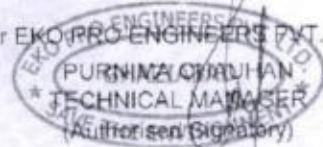
S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	63.5	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	52.4	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.



**EKO PRO ENGINEERS PVT. LTD.**

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
 Contact No. : 9711159210, 9711159427. SMS/Whatsapp No. : 9711153422. E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Noise Monitoring

Test Report No. : EKO/155/270220

Issue Date : 03/03/2020

Issued To

: HINDUSTAN ZINC LIMITED.

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Sample Description : Ambient Noise
 Sample Drawn on : 26/02/2020
 Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
 Sample Received on : 27/02/2020
 Sampling Location : Near Compressor Area
 Sampling Plan & Procedure : SOP-N/01
 Weather Condition : Normal
 Analysis Duration : 27/02/2020 To 28/02/2020
 Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000"
1	Leq (Day Time)	EKO/CHEM/SOP/S/N-01	72.6	dB (A)	75.0
2	Leq (Night Time)	EKO/CHEM/SOP/S/N-01	66.4	dB (A)	70.0

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
 * TECHNICAL MANAGER
 (Authorized Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9711159210, 9711159427, SMS/Whatsapp No : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Effluent Sample Analysis**

Test Report No. : EKO/167/270220

Issued To

: HINDUSTAN ZINC LIMITED

Plot No. 2 Sec-14

IIE, Sidcul Pantnagar

Rudrapur - Uttarakhand

Issue Date : 03/03/2020

Sample Description : STP Outlet (After Ultrafiltration)
Sample Drawn on : 26/02/2020
Sample Drawn by : EPEPL (Mr. Rahul Kashyap)
Sample Received on : 27/02/2020
Sampling Location : From STP Plant
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 27/02/2020 To 03/03/2020
Remark (if any) : NA

RESULTS

S. No.	Parameters	Test Method	Results	Units	Limits as per CPCB (EPR-1986 Schedule-VI Part-A)
1	pH	IS : 3025 (P-11)	6.89	-	5.5-9.0
2	Total Suspended Solids	IS : 3025 (P-17)	42.0	mg/L	100.0
3	COD (as O ₂)	IS : 3025 (P-58)	90.2	mg/L	250.0
4	BOD (@27°C for 3 days)	IS : 3025 (P-44)	24.0	mg/L	30.0
5	Total Nitrogen (as N)	APHA 4500 N	5.26	mg/L	100.0
6	Phosphate (as P)	IS : 3025 (P-31)	0.98	mg/L	5.0
7	Ammonical Nitrogen (as N)	APHA 4500 NH ₃	6.28	mg/L	50.0
8	Faecal Coliform	APHA 9221 E	210	MPN/100ml	1000.0

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of reporting of result, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

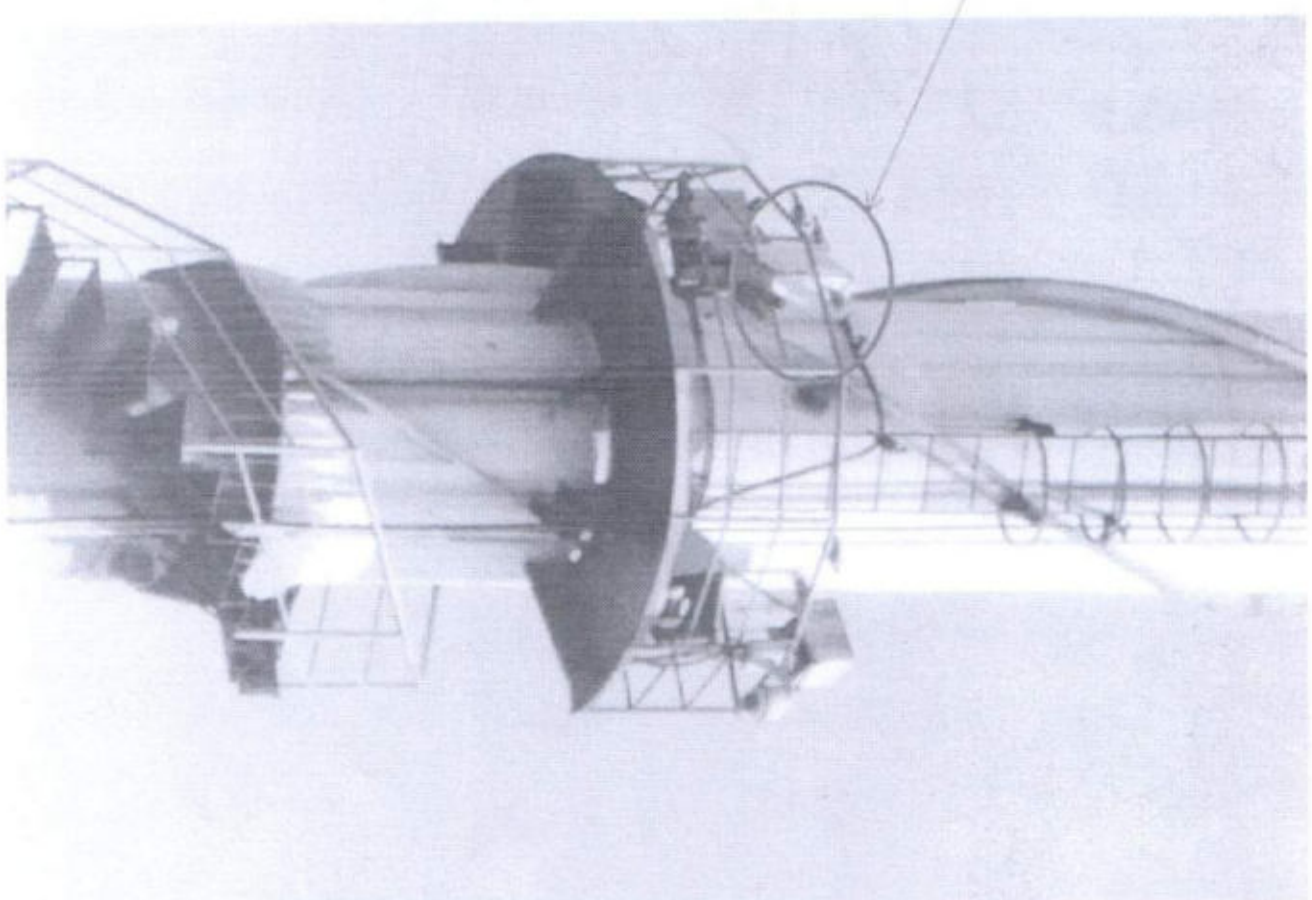
For EKO PRO ENGINEERS PVT. LTD.
SHYANGI SINGH RAIZADA
SECTION INCHARGE MICROBIOLOGY
(Authorised Signatory)

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)

ANNEXURE - 2




PM analyzer Installed at Stack

PM analyzer



Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No 283, Sector 14, Dist. Singholi,
Uttarakhand

ANNEXURE 3

S. No.	Name of the waste	Photographs
1.	Zinc Dross Storage Yard	
2.	Lead Dross Storage Yard	
3.	Used Oil Storage Yard	

STP PLANT

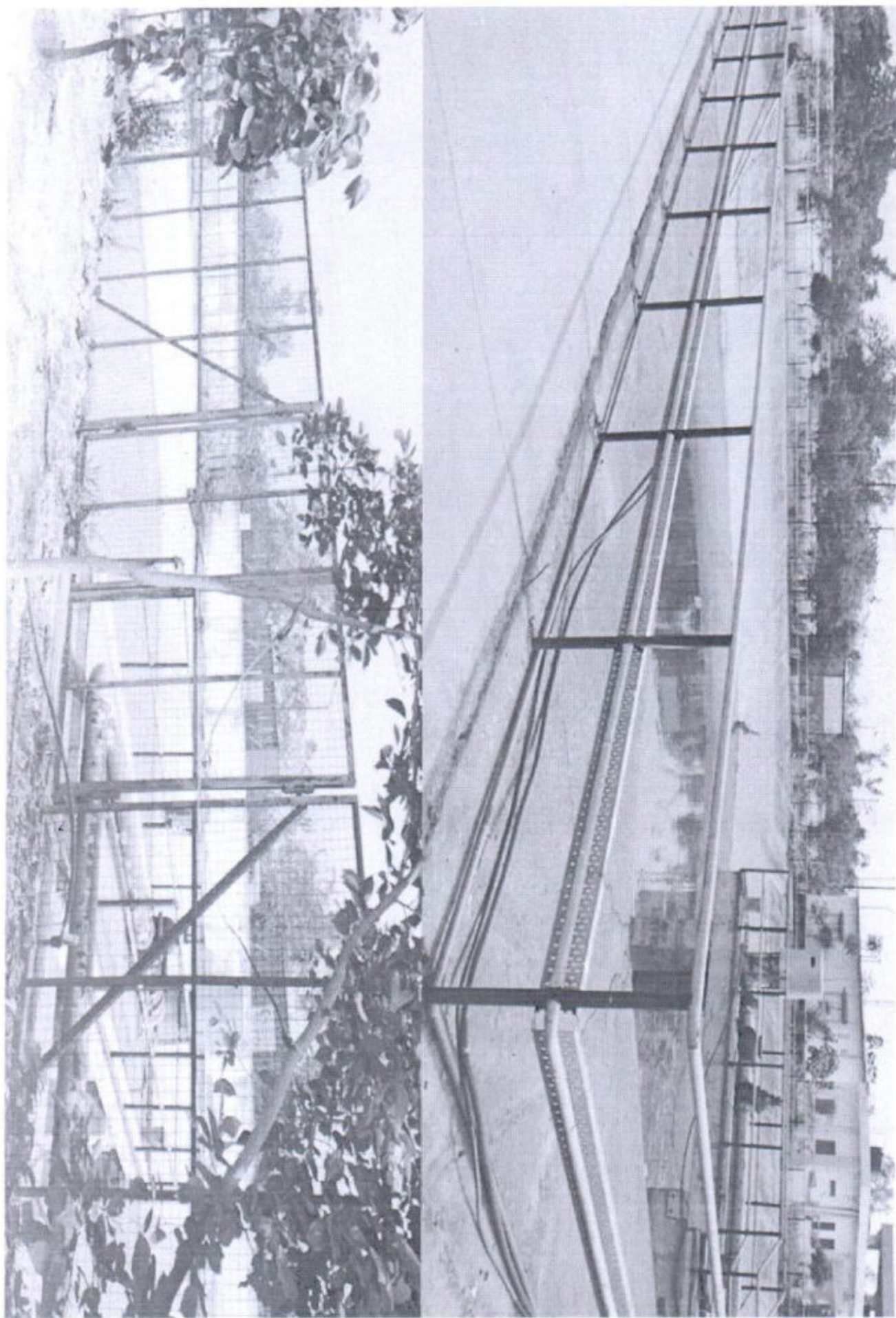


ETP PLANT



Hindustan Zinc Limited
Pantnagar Metal Plant
P.O. No. 11E, SIDGUL,
Nawalpind.

Rain water Storage Ponds

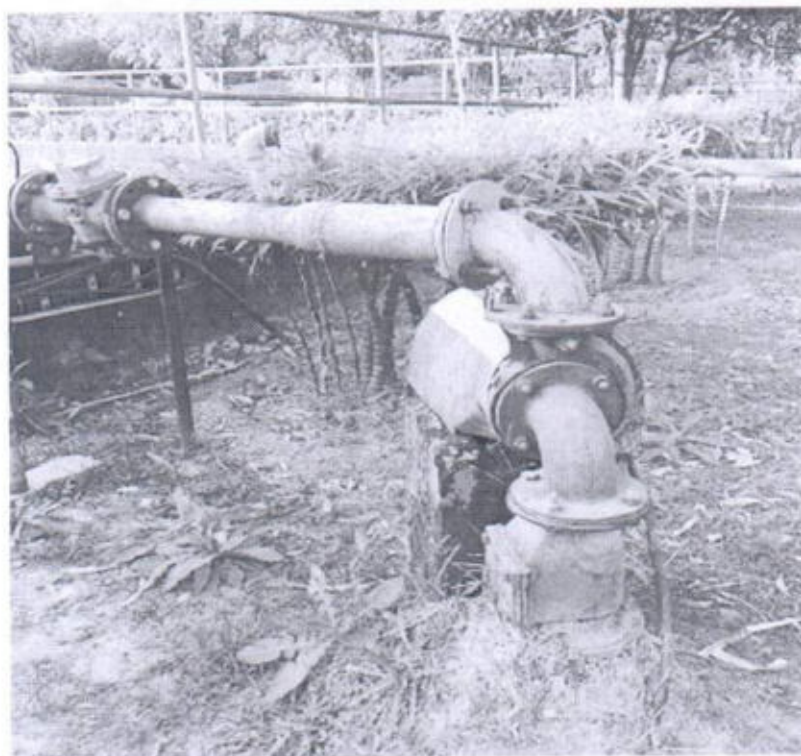


Annexure-14

Ground Water Withdrawal FY 2019-20			
Month	Ground Water Withdrawal	UOM	Rain water utilization
Apr-19	7311	Cu.m	0
May-19	7913	Cu.m	0
Jun-19	7694	Cu.m	0
Jul-19	6719	Cu.m	1547
Aug-19	1901	Cu.m	4675
Sep-19	3602	Cu.m	1814
Oct-19	5150	Cu.m	580
Nov-19	6089	Cu.m	337
Dec-19	4699	Cu.m	745
Jan-20	1955	Cu.m	3581
Feb-20	4087	Cu.m	359
Mar-20	4601	Cu.m	0
Total	61721	Cu.m	13638

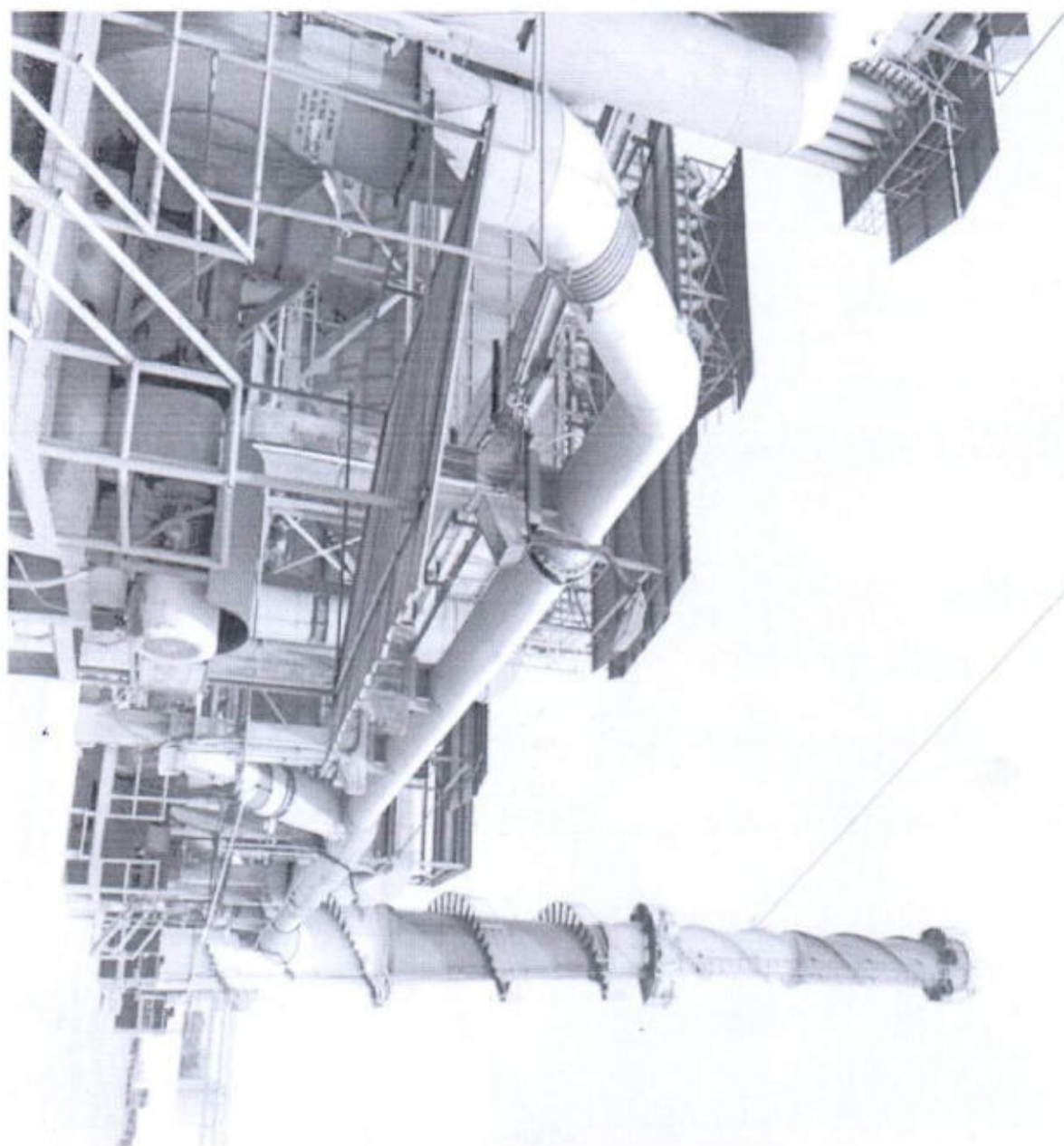
- All reading recorded in cubic meter.

Water Withdrawal Point – Borewell



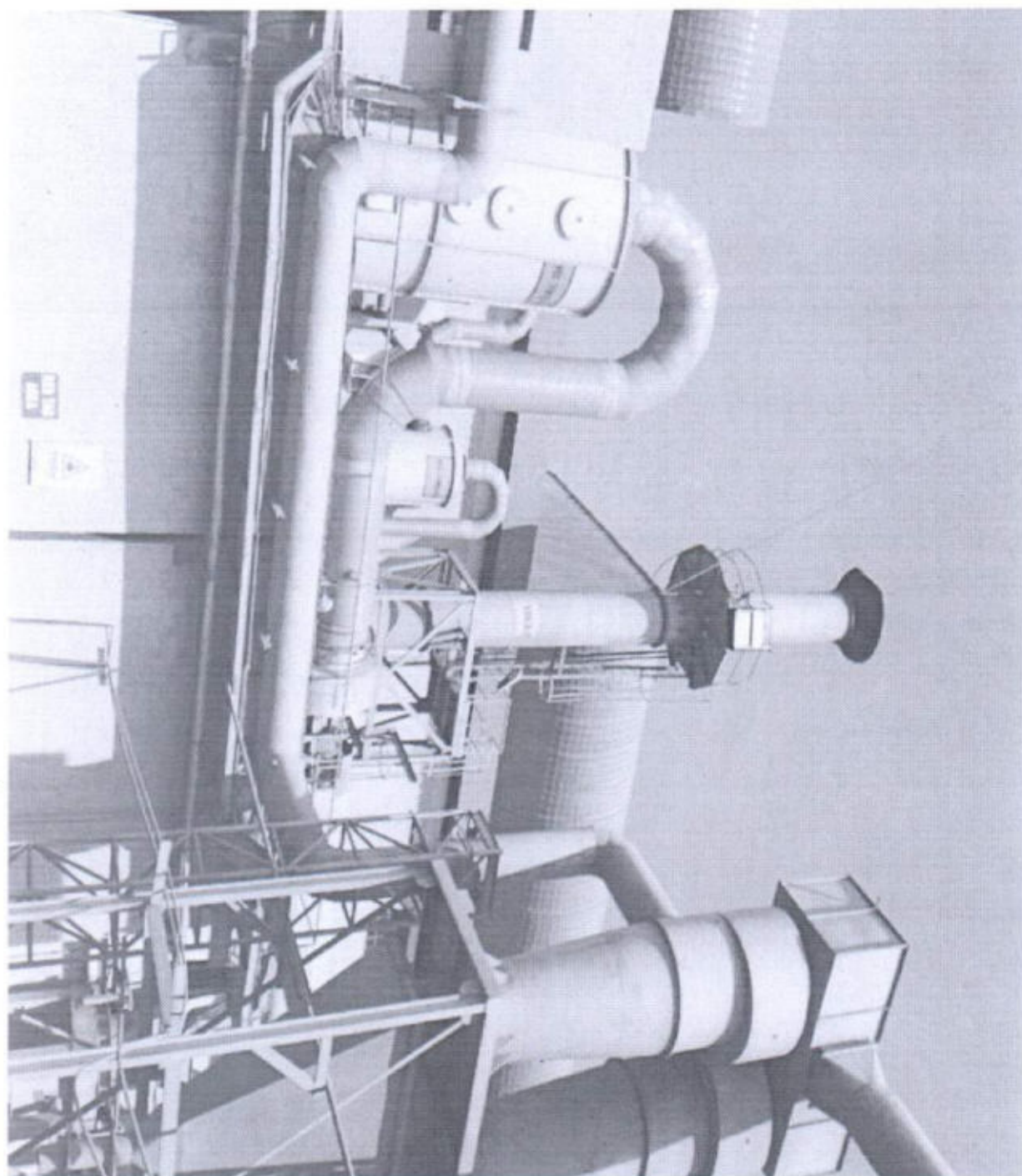
Hindustan Zinc Limited
 Panipat Metal Plant
 Plot No. 115, SINDUL...

Silver Process Stack



Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.283, Sector 14, IIE, SIDCUL,
Gurgaon, Haryana.

Silver NOx Stack



Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.2&3, Sector 14, IIE, SIDCUL,
Rudrapur - 263153, Uttarakhand.

CSR & CER Activities at PMP



1. Empowerment of women and strengthening of Self Help Group through Sakhi Project through Saheli Samiti & Manjari Foundation.



2. Sending students for Summer camp organized at Udaipur under Shiksha shambhal Project for across HZL units. Total 30 students were benefitted.



3. An Education Initiative – Learning through Technology for Class 1 to 8th class students in two schools of Rudrapur. Covering in two schools, 382 students were benefitted.



3. Extending primary and Preventive cure facilities through Health check up camps and distribution of medicines through Mobile Health Clinic Project with Jimmedhari Foundation.

Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.2&3, Sector 14, IIE, SIDCUL,
Rudrapur - 263153, Uttarakhand.

CSR & CER Activities at PMP



Unchi Udaan Project (coaching for IIT entrance exam) at Udaipur. Presently total 20 students are studying under this program.

Hindustan Zinc Limited
Pan Nagar Metal Plant
Plot No 2&3, Sector 14, IIE, SIDCUL,
Rudrapur - 263153, Uttarakhand.