

Vide Letter No.: HZLP/SRP/25-26/H-II

Date: 29.05.2026

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

Subject: Submission of Environment Clearance compliance report for Pantnagar Silver Refinery Plant (Refined Silver production 1120TPA) of M/s Hindustan Zinc Limited, Plot No 2 & 3, Sector 14, IIE, SIDCUL, Pantnagar, Dist. U.S. Nagar for the period **October-2025 to March-2026**.

Ref; Letter No: E.C. No.- 239-03(05)/2024 dated 30-08-2024 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 1120TPA) on dated 30.08.2024.

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-2025 to March-2026.

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

Thanking you.


(Neeraj Kumar) Hindustan Zinc Limited
Pantnagar Metal Plant
Plot No.2&3, Sector 14, IIE, SIDCUL
Rudrapur – 263153, Uttarakhand
SBU Director
Pantnagar Silver Refinery Plant
Hindustan Zinc Limited

CC:

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



Compliance Report of Environment Clearance (October-2025 to March-2026)

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.- 239-03(05)/2024 dated 30-08-2024)

S. N.	<u>Specifications</u>	<u>Status</u>
	<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 by SEIAA Uttarakhand and a copy of the same be sent to the Regional Office of Ministry of Environment, Forest and Climate Change, Govt of India located at 25 Subhash Road, Dehradun.	Complied. Silver 1120 TPA Environment Clearance letter had been received on 30.08.2024. It was advertised in two local newspapers i.e. Amar Ujala & Jan Satta on date 04.09.2024. Copy of the advertisement was submitted to SEIAA, Dehradun and RO-MoEF, Dehradun having vide letter no HZL/PSP/EC/2024-25/04 dated 06.09.2024. Refer Annexure- 1
2	A copy of the Environmental Clearance letter shall be sent by the proponent to the concerned Panchayat/Town area.	Complied. Copy of Environment Clearance letter submitted to the Zila Panchayat office Udham Singh Nagar (Rudrapur) on date 04.09.2024. Copy of the receiving was submitted to SEIAA, Dehradun and RO-MoEF, Dehradun having vide letter no HZL/PSP/EC/2024-25/04 dated 06.09.2024. Refer Annexure- 1
3	Consent to Establish/Consent to Operate shall be obtained from Uttarakhand Pollution Control Board under relevant provisions of Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention and Control of Pollution) Act, 1974 before starting any construction activity at the site.	Complied. Consent to Establish for expansion obtained from Uttarakhand Environment Protection and Pollution Control Board under relevant provisions of Central Air Act, Water Act and Hazardous waste having consent number- UKPCB/HO/Con/H-71/2025/1038 valid till 31.03.2026. Application for renewal (6524804 dated 22-01-2026) has been submitted and is under process with RO Kashipur, UEPPCB. Refer Annexure- 2.
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 equipment/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 equipment/machineries being installed within the vacant space available in the plant premises.
	<u>During Operation Phase-</u>	
1	Project proponent shall dispose AHU filter dust and filters to TSDF.	Complied. AHU filters in the form of Bag house filter bags are being disposed through register TSDF facility.
2	The Project proponent shall develop additional green belt in surrounding area in consultation with	We are in discussion with Chief Development officer, Rudrapur and District Forest officer to identify the areas

	local forest office.	for Plantation as proposed in EMP. The same status has been submitted to SEIAA within three months having letter no- HZL/PMP/EC/2024-25/06 dated 25.11.2024 and the activities will be carried out in a phased manner in consultation with local authority.
3	The Project proponent shall construct rainwater harvesting pits in such a manner to prevent the ingress of contaminated water from ETP & STP into rainwater harvesting pit.	Complied. Presently We have four rainwater harvesting pond for rainwater collection with prevention the ingress of contaminated water from ETP & STP into rainwater harvesting pit, having capacity approx. 2542, 1500, 841 & 750 cu.m and collected rainwater is being utilized into the process. In FY 2025-26, H2, we have reused around 2902 Cu.m rainwater in the process for conserving the fresh water. Photograph of the same is attached herewith as Annexure- 3 .
4	The Project proponent shall install Solar lights in the adjoining villages in consultation with local Authorities/Forest officials. Details shall be submitted within three months.	We are in discussion with Chief Development officer, Rudrapur and Local administration to identify nearby adjoining villages to install Solar lights proposed in EMP. The same status has been submitted to SEIAA within three months having letter no- HZL/PMP/EC/2024-25/06 dated 25.11.2024 and the activities will be carried out in a phased manner in consultation with local authority.
5	Project proponent shall install Solar lights on the periphery of its premises.	Being complied. Solar Lights installation had been completed on the periphery of the plant premises (Refer Annexure-4).
6	Regular health checkup of workers by recognized medical practitioners shall be ensured by the Project proponent and shall submit report to SEIAA along with six monthly compliance report.	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.
7	The Project proponent will submit reports pertaining to ambient air quality, report pertaining to ground water quality and noise. These reports should be monitored and generated by a NABL approved laboratory having scope of it.	Reports pertaining to ambient air quality, report pertaining to ground water quality and noise has been enclosed herewith as Annexure- 5 (a), 5 (b) & 5 (c) . These reports have been monitored and generated by a NABL approved laboratory having scope of it.
8	The Project proponent will install advanced dust suppression system at the project site.	Noted.
9	The Project proponent shall plant two rows fast growing species on the both sides of road connecting from the project premises to main road.	Complied. As per the land availability plantation have been completed from road to plant premises.
10	The Project proponent shall submit the NOC from CGWB for utilization of ground water.	NOC from CGWB for utilization of ground water has been obtained having validity till 30.09.2026. Refer Annexure- 6 .
11	The Project proponent shall undertake rain water harvesting activities in the two surrounding villages preferably in the schools, primary health centres in consultation with local authorities.	We are in discussion with Chief Development officer, Rudrapur and Municipal Commissioner, Rudrapur to identify the areas for rainwater harvesting activities in the surrounding villages preferably in the schools, primary health centres. The same status has been submitted to SEIAA within three months having letter no- HZL/PMP/EC/2024-25/06 dated 25.11.2024 and the activities will be carried out in a phased manner in

		consultation with local authority.
12	The building plan and structural design of the unit shall comply with requirements of Seismic Zone- IV as outlined in National Building Code.	Complied. The building plan and structural design of the unit comply with requirements of Seismic Zone- IV as outlined in National Building Code during construction phase initially and in this phase there is no construction planned.
13	No further expansion or modifications in the plan shall be carried out without the prior approval of competent authority.	Noted and is being complied.
14	During any type of construction in the existing land area, the topsoil excavated shall be used for backfilling/ landscape development/ green belt development. The same shall not be disposed of outside the boundaries of project site without approval of competent authority.	Noted and is being complied.
15	The ground water 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 ground water quality by leaching of heavy metals and toxic contaminants	The groundwater and soil samples are being tested regularly by NABL accredited lab (M/s Newcon Laboratories, Ghaziabad) and all test results are being complied with CPCB standard. Zero effluent is 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- 5 (c) & 5 (d) .
16	All stacking and loading areas should be provided with proper garland drains equipped with baffles to prevent runoff from the site to enter any adjoining water body. Construction spoils including bituminous materials must not be allowed to contaminate watercourse and dumpsites as these may leach into ground water.	Noted and being complied.
17	The manufacturing process shall be carried out in closed atmosphere without having any air emissions. However, air emission from DG set should comply with CPCB norms by designing stack of adequate height.	Complied. Stack with adequate height installed in the premises and third-party monitoring is being carried out regularly to monitor the parameters as per CPCB/SPCB norms.
18	No wastewater 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.
19	All the hazardous residue and waste arising from units shall be either sent to TSDF for land filling or for incineration. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys, etc.	Noted and being complied.
20	The gaseous emissions (SO ₂ , NO _x , CO, VOC and HC) and particulate matter along with Respirable Suspended Particulate Matter (RSPM) levels 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	Gaseous emissions of SO _x , NO _x , CO and Particulate matter being monitored periodically by NABL authorized third party (external agency). Emission levels are being ensured as per the stipulations. During failure of pollution control system, will ensure the compliance. In addition, online PM analysers in all process stacks, SO _x , NO _x & PM analysers in DG stacks installed for effective monitoring & control the emissions. Photos of the analysers are attached as Annexure- 7 .

	be restarted until the control measures are rectified to achieve the desired efficiency.	
21	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 UKPCB/Central Pollution Control Board. Dust/ Powder from the formulation process shall be collected by dust extractor.	Ventilation system has been installed to arrest fugitive emissions. Work zone monitoring is being done regularly, In the Raw material handling, process and finished good area and emission is maintained below the limit. Fugitive emission levels are being ensured as per the stipulations. Test reports are attached herewith as Annexure- 5 (e) .
22	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 of Hazardous waste under Hazardous Waste Rules 2008 has been granted by UKPCB along with CCA having consent number- UKPCB/HO/Con/-H-71/2025/1038 Valid till 31.03.2026. Application for renewal (6524804 dated 22-01-2026) has been submitted and is under process with RO Kashipur, UEPPCB. Photos of the HW storage site are attached as Annexure- 8 .
23	The DG sets shall use low sulphur diesel type fuel and should have stack height complying with CPCB norms. DG set should be operated only during power failure in emergency situation.	The DG sets are being operated on HSD fuel only having appropriate stack height and complying with CPCB norms. DG sets is operated only in case of UPCL grid power failure.
24	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 all machineries and 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- 5 (a) & 5 (c) .
25	All liquid raw materials shall be stored in storage tanks and drums. Closed handling systems for chemicals and solvents shall be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reductions of fugitive emissions.	Noted and being complied.
26	The vehicles used at the factory site should comply with emission norms and noise level standards of CPCB and State Transport Department. They should be operated only during non-peak hours.	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.
27	All necessary efforts shall be made to ensure safety and hygiene of workforce. First Aid facility shall be established and trained manpower be engaged to deal with emergency. 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.
28	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 premises.
29	Separate toilets shall be provided for Ladies staff.	Complied. Separate toilets facilities are being provided in plant premises for Ladies staff.

30	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.	Separate Environment Management cell is already in place for all Environment Management functions. Environmental monitoring is being ensured through Authorized third party (external agency) regularly.
31	Energy consumption measures like installation of LED/TFL for the external lighting area shall be ensured. The used LED/TFL shall be properly collected and disposed off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	Noted and being complied.
32	The project proponent shall do plantation of samplings in the earmarked 33% green belt area as part of the tree plantation campaign "Ek Ped Ma Ke Naam" and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in).	Complied. More than 33% Green Belt of total plant area has already been developed with three rows along with boundary wall in plant premises in consultation with DFO (Divisional Forest Officer) and CPCB guidelines. Gap filling plantation and Surrounding plantation are being carried out for maintaining the survival rate of Plantation. Refer Annexure- 9.
33	Action plan for establishment of solar energy shall be submitted to this office within three months.	Solar Lights installation had been completed on the periphery of the plant premises (Refer Annexure- 4). For nearby community we are in discussion with local authority and same status has been submitted to SEIAA within three months having letter no-HZL/PMP/EC/2024-25/06 dated 25.11.2024 and the activities will be carried out in a phased manner in consultation with local authority.
34	The project proponent shall undertake eco-developmental measures including welfare measures in the project area for the overall improvement of the environment.	Being Complied. Eco-development measures including welfare measures are being implemented as per action plan. Many development activities are being carried out for the overall improvement of the environment.
35	The project proponent shall ensure compliance to provisions of all Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.	Noted and being complied.
36	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.
37	The project authority shall also comply with the entire environment protection measures and safeguards proposed in the EMP. 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 EMP report has been implemented. EMP recommendation closure also in progress to comply as per the plan.
38	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.
39	Rainwater harvesting for surface run off shall be	Complied. Presently We have four rainwater harvesting

	ensured. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and other particles.	pond for rainwater collection having capacity approx. 2542, 1500, 841 and 750 cu.m and collected rainwater is being utilized into the process. In FY 2025-26, H1, we have reused around 2902 Cu.m rainwater in the process for conserving the fresh water. Photograph of the same is attached herewith as Annexure- 3 .
40	Emergency preparedness plan based on risk assessment shall be made and shall be submitted to this office within three months.	Emergency preparedness plan based on risk assessment has prepared and submitted to Dy, Chief Inspector (Factories & Boilers) with updated information as on 27.09.2024. A copy of Emergency preparedness plan along with submission letter has been submitted to SEIAA & RO-MoEF on 25.11.2024 as per letter No-HZL/PSP/EC/2024-25/06.
41	The project authority shall submit within the next 3 months the details on quantification of yearwise CER activities along with cost and other details	The action plan for the details on quantification of yearwise CER & CSR activities along with cost and other details (for next 3 years) has been submitted to SEIAA & RO-MoEF authority having letter No- HZL/PSP/EC/2024-25/06 dated 25.11.2024 and the activities will be carried out in a phased manner in consultation with local authority.
42	STP shall be connected with separate electric meter and photocopy of electric consumption bill shall be submitted with compliance report to this office	STP has been connected with Separate Electric meter and consumption is being tracked on daily basis. Consumption bill is provided by UPCL for whole plant. Photocopy of electric consumption meter enclosed herewith as Annexure- 10 .
43	The project authority shall provide Personal Protection Equipment (PPE) as per the norms of factory act	Noted and is being complied.
44	Agreement with TSDF vendors shall be submitted.	Complied. Agreement with TSDF vendor- M/s Bharat Oil & Waste management, Roorkee is enclosed herewith as Annexure- 11 .
45	The grant of this EC is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument as force the sole and complete responsibility to comply with the conditions laid down in all other laws for the time being inforce, rests with the project proponent.	Noted and is being complied.
46	The provisions of the Solid Waste (Management) Rules, 2016 and the plastic waste (management) Rules, 2016 shall be followed.	Noted and is being complied.
47	The project proponent shall abide by all commitments and recommendation made in the form- I, Pre-feasibility report/Environment Management Plan (EMP) and also during their presentation to the expert appraisal committee.	Noted and is being complied.
48	Any change in planning of the approved plan/site plan will leads to environment clearance void-ab initio and project proponent will have to seek fresh	Noted.

	Environmental Clearance.	
49	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provision of Environment Protection Act 1986.	Noted.
50	The ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of Environment Protection.	Noted.
51	The ministry/SEIAA reserves the right to stipulate additional condition, if necessary, the project proponent/company in time bound manner shall implement these conditions.	Noted.
52	The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
53	The Regional office of the Ministry shall monitor compliance of the stipulated conditions. The project authorities should extent full cooperation to the officers (s) of the regional office by furnishing the requisite data/information/monitoring reports.	Noted.
54	The above conditions shall be enforced, inter-alia under the provisions of water Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment Protection Act, 1986, Hazardous and other wastes Rules, 2016, and the Public Insurance Act 1991, along with their amendments and rules and any other orders passed by the Hon'ble Supreme court of India/High court of law relating to the subject matter.	Noted.
55	The project proponent shall submit half yearly compliance report of stipulated conditions of Environment Clearance in soft copy through PARIVESH PORTAL given link: https://parivesh.nic.in . The compliance report shall also be e mailed to the Regional Office in Dehradun in moef.ddn@gov.in	Being Complied. Last six-monthly compliance report was submitted to SEIAA, Dehradun and RO, MOEF office Dehradun vide letter no HZLP/SRP/25-26/H-1 dated 26.11.2025. Six-monthly compliance reports are being uploaded on company website. Link of website uploading EC compliance of April'2025 to September'2025 is EC_Compliance_Report_Silver_Plant_H1_2025_26_112_0_TPA_f8c4a241cd.pdf
56	The project proponent shall ensure compliance to provisions of all the Acts, Rules, Regulations and Guidelines, for the time being in force, as applicable to the project.	Noted and is being complied.
57	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	Separate Environment Management cell is already in place for all Environment Management functions. Environmental monitoring is being ensured through Authorized third party (external agency) regularly. The

	reports to this Authority and regional office of Ministry of Environment, Forests and Climate Change, Govt of India at Dehradun. The contact details of the incharge of Environment Monitoring Cell will also be intimated in the compliance reports.	contact details of the in-charge of Environment monitoring cell/ function is enclosed herewith as Annexure- 12.
58	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 provisions of EIA Notification 2006. This EC is being granted subject to compliance of Hon'ble Court Orders issued from time to time.	Noted.
59	The SEIAA Uttarakhand reserves the right to withdraw the Environmental Clearance or add additional conditions.	Noted.
60	If ownership 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.
61	This Environmental Clearance (E.C.) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority as may be applicable to this project.	Noted.
62	The Project Proponent shall follow all relevant directions/orders issued by Hon'ble High Court/NGT/ Supreme Court.	Noted.
63	The project proponent shall ensure compliance to provisions of all the Acts, Rules, Regulations Guidelines and directions of Hon'ble Courts for the time being in force, as applicable to the project.	Noted.
64	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted.

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