

Reg, A/D

Vide Letter No: HZLP/M&C/CCA/25-26/Q-4

Date: 30.05.2026

To,  
The Member Secretary,  
Uttarakhand Pollution Control Board  
46 B, IT Park, Sahastradhara Road, Dehradun- 248001

Sub: Submission of Consolidated Consent to Operate and Authorization Compliance report of Pantnagar Zinc-Lead Melting & Casting Plant of M/s Hindustan Zinc Limited, Plot No 2 & 3, Sector 14, IIE, SIDCUL, Pantnagar, Dist. U.S. Nagar for the period **Jan-2026 to Mar-2026**.

Ref: Letter No.- UKPCB/HO/Con-H-77/2026/1181 dated: 29.01.2026 from UKPCB

Dear Sir,

With reference to the aforesaid subject, we have obtained Consolidated Consent to Operate and Authorization Renewal for Zinc (4,65,000 TPA) and Lead (1,50,000 TPA) melting & casting plant from UKPCB Dehradun on 06.03.2021. Please find enclosed herewith the Compliance report for Consolidated Consent to Operate and Authorization Renewal for Pantnagar Zinc-Lead Melting & Casting Plant of M/s Hindustan Zinc Limited, Plot No 2 & 3, Sector 14, IIE, SIDCUL, Pantnagar, Dist. U.S. Nagar.

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

Thanking you,

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

**(Neeraj Kumar)**

SBU Director  
Pantnagar Zinc-Lead Melting & Casting Plant  
Hindustan Zinc Limited

CC:

1. The Regional Office, UKPCB Kashipur, Chamunda Complex, Ramnagar Road, Kashipur, Uttarakhand (INDIA)- 244713
2. Office Copy, HZL-PMP



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

**Name of the Project:** M/s Hindustan Zinc Limited  
Pantnagar Zinc-Lead melting & casting Plant

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

**Clearance Letter No:** J-11011/327/2010/IA-II (I) Dt.26<sup>th</sup> April 2011 from MoEF&CC

**Period of Compliance Report:** October-2025 to March-2026

S.No	Condition	Compliance Status
<b>A</b>	<b>Specific conditions.</b>	
1	On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. bag filters shall be provided to keep the emission levels below 50 mg/Nm <sup>3</sup> by installing energy efficient technology.	Being Complied. Efficient bag filters and continuous stack monitoring PM analyzers have been provided in all process stacks. Continuous on-line Ambient air quality monitoring station (CAAQMS) is also installed in the plant premises to monitor the ambient air continuously. Emission levels are being maintained well within the stipulated limit. Copy of Ambient air & Stack emission quality monitoring reports attached herewith as <b>Annexure-1 (a) &amp; 1 (b)</b> respectively. Photographs of CEMS & CAAQMS are attached herewith as <b>Annexure-2</b> .
2	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 should be followed.	Noted and being Complied. Ambient air quality monitoring results are well within the NAAQMs limits.
3	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 <sup>th</sup> May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB should be followed.	Being Complied. All Gaseous emissions are being controlled through efficient bag filters connected to adequate stacks height provided for proper dispersion. In addition, monthly work zone monitoring is also being carried out. Reports of stack emission and work zone are attached herewith as <b>Annexure-1 (b) &amp; 1 (c)</b> respectively.
4	The total water requirement shall not exceed 500 KLD. Permission to draw water from the Competent Authority shall be obtained. No effluent shall be discharged and 'zero' discharge should be adopted.	Being Complied. Water requirement of Zinc and Lead M&C process and silver process is limited to 260 m <sup>3</sup> /day (20% reduction from previously issued NOC- 325m <sup>3</sup> /day). For which CGWA is already given consent (Letter no.: CGWA/NOC/IND/ORIG/2018/4160 on dated 17 Oct 2018 & 01 Mar 2019 and corrigendum letter against condition no 3 on date 02 July 2019 & its

		<p>renewal). The present CGWA NOC 2<sup>nd</sup> renewal is valid till 26.09.2026 with 260 m<sup>3</sup>/day withdrawal capacity having Letter No.-CGWA/NOC/IND/REN/2/2023/8194 dated 06.09.2023. No effluent is being generated from the process. However, Effluent treatment plant of 87 KLD is already provided for treating the combined trade effluents of Zinc &amp; Lead melting casting and Silver refining plant so ETP is not in operation.</p> <p>Combined STP of 30 KLD already installed to treat the wastewater of Zinc and Lead Melting &amp; Casting unit as well as silver plant. Treated water of the same is being used for horticulture/plantation. Zero discharge is being maintained.</p>
5	<p>Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB.</p>	<p>Being Complied. No effluent is being generated from the process. Ground water being used for plant operation and regular bore well monitoring being ensured. Zero Discharge is being maintained and no effluent discharged to surface water body. Provision for online monitoring of STP outlet for BOD, COD, pH, TSS &amp; Flow has been made. Copy of ground water monitoring is attached herewith as <b>Annexure 1 (d)</b>.</p>
6	<p>Efforts shall be made to make use of rainwater harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources.</p>	<p>Complied. Presently We have four rainwater harvesting 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, H2, we have reused around <b>2902 cu.m</b> rainwater in the process for conserving the freshwater. Photograph of the same is attached herewith as <b>Annexure-3</b>.</p>
7	<p>Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Lucknow, SPCB and CPCB within 3 months of issue of environment clearance letter.</p>	<p>Complied. Risk and Disaster Management Plan has been submitted to Ministry's Regional Office at Lucknow, SPCB and CPCB on 20.07.2011. Also, we have prepared and submitted On Site Emergency plan to the competent authority. Latest/amended receiving copy for submission obtained on 24.11.2025 to Dy. Chief Inspector (Factories &amp; Boilers). Refer <b>Annexure-4</b>.</p>
8	<p>As proposed, green belt shall be developed in 33 % of the plant area. Selection of plant species should be as per the CPCB guidelines in consultation with the DFO.</p>	<p>Complied. More than 33% Green Belt of total plant area has already been provided with three rows along with boundary wall in plant premises in consultation with DFO (Divisional Forest Officer) and CPCB guidelines. Gap filling plantation being carried out for maintaining the survival rate of Plantation.</p>

9	At least 5 % of the total cost of the project shall be earmarked towards the enterprise social commitment (ESC) and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Lucknow. Implementation of such program should be ensured accordingly in a time bound manner.	Being Complied. CSR plan prepared and submitted to MOEF-Regional Office Lucknow, CPCB regional office Lucknow and UEPPCB Dehradun along with E.C compliance report as dated 20.07.2012, This had been implemented in phased manner with the help of local administration. Many CSR development activities are being carried out for upliftment of nearby communities. CSR projects details is attached herewith as <b>Annexure 5</b> .
10	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied. Safe drinking water, sanitation facilities. Medical health care etc. provided at the plant premises. No housing facility provided in the plant premises.
<b>B</b>	<b>General Conditions</b>	
1	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government.	Noted and being Complied.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted and being Complied.
3	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB including one ambient air quality monitoring station in the downwind direction. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB / CPCB once in six months.	Being Complied. In consultation with RO, UEPPCB, 4 Ambient air quality monitoring location finalized including downwind direction as well as maximum ground level concentration anticipated areas. CAAQMS also installed at plant premises. Monthly monitoring is being carried out in plant area. Data on ambient air quality and stack emission is being submitted regularly as stipulated. Continuous on-line Ambient air quality monitoring station (CAAQMS) is also installed in the plant premises to monitor the ambient air continuously. Emission levels are being maintained well within the stipulated limit. Copy of Ambient air & Stack emission quality monitoring reports attached herewith as <b>Annexure-1 (a) &amp; 1 (b)</b> respectively. Photographs of CEMS & CAAQMS are attached herewith as <b>Annexure-2</b> .
4	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation	Being Complied. The domestic effluent is being treated in the STP to ensure stipulated quality and used for plantation. Photograph of STP is attached herewith as <b>Annexure-6</b> .

	purpose.	
5	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB (daytime) and 70 dB (nighttime)	Being Complied. Acoustic enclosures/silencers are provided for DG, compressors, blowers and exhaust fans to ensure the noise levels within the factory premises is within the stipulated levels for industrial area. Green Belt along with boundary provided to limit the noise from the plant to surrounding areas. Noise monitoring reports are attached herewith as <b>Annexure 1(e)</b> .
6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being complied. Pre-employment & periodic medical examinations are being carried out for the relevant occupational hazards at a regular frequency, as per statutory requirements.
7	The company shall develop rainwater harvesting structures to harvest the rainwater for utilization in the lean season besides recharging the ground water table.	Complied. Presently We have four rainwater harvesting 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 <b>2902 cu.m</b> rainwater in the process for conserving the fresh water. Photograph of the same is attached herewith as <b>Annexure-3</b> .
8	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being Complied. Environment protection measures and safeguards recommended in the EIA/EMP report being implemented, Socio-Economic development activities are being implemented as per action plan. Many CSR development activities are being carried out for upliftment of nearby communities. CSR projects photographs is attached herewith as <b>Annexure 5</b> .
9	The requisite funds shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Being Complied. Sufficient funds available for operation and maintenance of the facility during operation phase. The said funds not been diverted for any other purpose.
10	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. The copy of the clearance letter submitted to the Panchayat/ Zila Panchayat, Municipal Corporation and Urban Local Body (SIDCUL). EC letter is also available on company website. Link of website <a href="https://www.hzindia.com/wp-content/uploads/Environment-Clearance-Letter-for-Pantnagar-Metal-Plant-Melting-and-">https://www.hzindia.com/wp-content/uploads/Environment-Clearance-Letter-for-Pantnagar-Metal-Plant-Melting-and-</a>

		<a href="#">Castingmpm.pdf</a>
11	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO <sub>2</sub> , NO <sub>x</sub> and Lead (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being Complied. Submission of Six-monthly compliance report of environmental condition with monitoring results (in hard copies as well as by e-mail) to RO, MOEF&CC, Dehradun, Zonal Office CPPCB, Lucknow, MS UEPPCB, Dehradun and RO UEPPCB, Kashipur being ensured. Six monthly compliance reports are being uploaded on the company website. Link of website uploading EC compliance of April'25 to September'25 is <a href="#">PMP Zn Lead EC Compliance MC H1 2025 26 f405f3bea1.pdf</a> Display board on all criteria pollutants provided at main gate which is being updated regularly. Photograph of board is attached herewith as <b>Annexure 7</b> .
12	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF at Lucknow, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.	Being Complied. Submission of Six-monthly compliance report of environmental condition with monitoring results (in hard copies as well as by e-mail) to RO, MOEF&CC, Dehradun, Zonal Office CPPCB, Lucknow, MS UEPPCB, Dehradun and RO UEPPCB, Kashipur being ensured. Link of website uploading EC compliance of April'25 to September'25 is <a href="#">PMP Zn Lead EC Compliance MC H1 2025 26 f405f3bea1.pdf</a>
13	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Environmental statement of every year is being submitted to Regional Office MoEF, CPCB and UEPPCB. Last Environment statement was submitted to RO, MoEF&CC vide letter no. HZL/PMP/ENV/M&C/2024-25/01 dated 12.09.2025. Environment statement of every year has been uploaded on company website. Link of last Environment Statement is <a href="#">New Doc 09-12-2025 10.13</a>
14	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular	Complied. Published in newspapers of Dainik Jagaran and Amar Ujala. Copies have been submitted to Regional office at Lucknow along with reply of letter No. IV/ENV/Utr/Ind-34/110/2011/156 dated 08.06.2011 & on 20.07.2011 to CPCB Regional office Lucknow and UEPPCB Dehradun.

	language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Lucknow.	
15	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted & complied. Plant was commissioned in March 2012.

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