

REGISTERED A/DHZL/SKM/ENV/2024/EC Comp/ **11153**

30.11.2024

To,
The Deputy Director(s) / Scientist -C,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur,
A-209 & 218, Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, Jaipur (Raj.) – 304002.

Sub.: Half yearly EC compliance report of Sindesar Khurd Mine for the period of April 2024 to September 2024

Ref.: Environmental Clearance vide no. J-11015/7/2017-1A.II (M) dated 31.05.2018

Sir,

With reference to aforesaid subject and cited references, it is to inform that we are herewith submitting six monthly compliance report for the conditions stipulated in the Environment Clearances of Sindesar Khurd Mine for the period from April 2024 to September 2024.

The copy of above compliance report is also being sent in soft format through email to (roc.zlko-mef@gov.in; m_env@rediffmail.com) for your kind perusal. Also copy of Sindesar Khurd Mine Environmental Compliance has been uploaded on company website <https://www.hzindia.com/sustainability/environment-compliance/>

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor to further improve our Environmental Management Practices.

Hope the above is in line with statutory requirements.

Thanking you,
Yours faithfully,


Shri Sufal Mehrotra
Engg. Head & Authorized Signatory
Sindesar Khurd Mines, HZL

Sufal Mehrotra
Head Engineering
Sindesar Khurd Mine
Hindustan Zinc Limited
PO: Dariba, Distt. Rajsamand
Rajasthan, Pin 313211

Copy to:

1. In-charge, (Zonal Office),
Central Pollution Control Board,
Parivesh Bhawan, Paryavaran Parisar,
E-5, Arera Colony, Bhopal (MP)-462016.
2. The Member Secretary,
Rajasthan State Pollution Control Board,
4th Institutional Area, Jhalana Doongari, Jaipur (Raj.) – 302004
3. Regional Officer,
Rajasthan State Pollution Control Board,
Old Building of District Excise Office,
Kalalwati, Rajnagar,
Rajsamand (Raj.)-313324.
4. Office Copy

Compliance Report of Environmental Clearance

Name of the Project: Sindesar Khurd Mine
(Hindustan Zinc Ltd.)
Village: Sindesar Khurd,
PO Dariba, Tehsil : Railmagra,
Dist.: Rajsamand. Rajasthan – 313211.

Clearance Letter No.: J-11015/7/2017-IA.II(M) dated 31.05.2018.

Period of Compliance: April 2024 to September 2024

Sr No	Condition	Compliance Status
A.	Specific Condition	
1	Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Rajasthan and any other Court of Law, if any, as may be applicable to this project.	Noted.
2	This Environmental Clearance is subject to obtaining requisite NBWL Clearance from the Standing Committee of National Board for Wildlife, if any, applicable for this Mining project.	Not Applicable for this Mining Project. Core & Buffer zone area of this project has no National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/Elephant Reserves. The copy of letter issued by Office of DFO, Rajsamand is enclosed as Annexure – I.
3	No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.	Not applicable for this project, as all Mining Activities comes under Non-Forest Area.
4	The project proponent shall obtain Consent to Operate from the State Pollution Control Board, Rajasthan and effectively implement all the conditions stipulated therein.	Consent to Operate has been obtained from SPCB and compliance of the conditions given in same are being ensured.
5	The Proponent should install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at three locations as per wind direction. Online provisions of pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project Proponent should display the result digitally in front of the main Gate of the mine site.	3 nos. online monitoring stations installed at site results of the same are being displayed at the main gate. Apart from this Monthly AAQ monitoring from 5 locations from core and buffer zone is being done. Provision to measure pH and turbidity at water ponds and display of the same at main gate has been made. Latest AAQ monitoring reports are attached here in Annexure -II.

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6	<p>The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/levelling with the help of dozer/compactors. The report on slope and stability monitoring should be sent to MoEF&CC and its Regional office every six-months.</p>	<p>Regular monitoring of slope stability of waste dump mass is being done. The waste dump consolidation is being done by compactor and dozer on regular basis. The Survey of waste dump is carried out regularly and records maintained.</p> <p>Report of slope and stability monitoring is being submitted along with half year compliance report. Latest report is enclosed as Annexure - III.</p>
7	<p>The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation has been followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adopted to that micro climate. This may be recommended to be studied by hiring Expert Ecology Group.</p>	<p>At present waste dump is in active stage. On maturity of waste dump, it will be reclaimed in scientific manner. Waste rock generated from mining is being used for filling of mine voids. Waste remained during closure will be filled back in mine voids at the time of mine closure and scientific reclamation by plantation of suitable native species will be ensured at waste dump.</p>
8	<p>There is need for regular monitoring of invertebrates and aquatic life of water bodies including the reservoir located close to the mining lease to establish that fish and other animals including the water is not contaminated with heavy metal. There could be a research on "bio accumulation of heavy metals in invertebrates" to completely establish that there is no impact of mining.</p>	<p>Study for assessing impact of heavy metals on crop, vegetable, surface water, silt aquatic life etc. been conducted and Heavy metals are found within the limit. Regular monitoring/ study is being done. Copy enclosed as Annexure – IV.</p>
9	<p>A specialized Institution may be hired to carry out ecological survey on the plant species to evaluate their growth in terms of stunted, deformed and seed viability. The sensitive species and indicator species to heavy metal pollution may be screened out and plantation accordingly designed. Similarly, uptake of Zinc, Cadmium and lead etc. by crops and vegetables grown in the crop lands around the mining lease may be studied. Bottom sediment analysis of ponds, wells and Rivers to ascertain the level of accumulation of heavy metal may be done.</p>	<p>Ecological survey in the surrounding area has been carries out. No impact due to mining operation was observed. Regular monitoring/ study is being done. Copy enclosed as Annexure – IV.</p>
10	<p>The Proponent shall conduct an Occupational health study with respect to the pressure impact on ear drums as person goes underground and implement the recommendations.</p>	<p>Occupational Health Study of employees conducted & no impact has been observed irrespective of depth of working. Apart from this, all workers are also regularly</p>

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		undergone through initial and periodical medical examinations.
11	Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings to evaluate the zone of influence and impact of blasting on the neighbourhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained. The covenant of lease deed under Rule 31 of MCR 1960 provides that no mining operations shall be carried out within 50 meters of public works such as public roads and buildings or inhabited sites except with the prior permission from the Competent Authority.	Blast design is being done as per recommendations of CIMFR keeping public infrastructure in view. Due care is taken in designing the blast, optimizing the explosives, selection of detonators and delay to ensure safe vibration limit on surface. Vibration study for each blast is being carried out regularly by CSIR-CIMFR, Dhanbad.
12	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.	Being complied, Permanent water sprinkler is provided for main haulage road. Transfer points, loading and unloading points of Ores and roads is being ensured. Dust Extraction systems have been installed in Crushers. All the conveyors are covered to minimise the dust emission. Trial with addition of reagent with water to improve dust suppression has been carried out and sprinkling of the same is being ensured regularly. Heavy duty road sweepers are deployed permanently, and regular road sweeping is being ensured. Avenue plantation along with roads and other areas of mines ensured to mitigate impact of dust. Network of conveyors has been established and shaft has been commissioned, installation of additional crusher in underground is ensured to reduce vehicle movement for Ore movement and dust emission due to vehicle movement.
13	The monitoring of PM 2.5 in the vehicle emission shall be conducted to improve the mine environment and report submitted to the Regional Office of the MoEF & CC.	We are exploring possibility of monitoring the same. We have also submitted request for

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		exemption of this condition to MoEF&CC by our letter No. SKM/ENV/2020/02/396 dated 19.02.2020. Copy enclosed as Annexure – V.
14	Project proponent shall compensate all 581 identified families for land and construction cost, i.e. 3 times of DLC rate for land and 3 times of PWD rate for construction will be provided. Rehabilitation site with construction of roads, community centre, school, hospital and other infrastructures will be provided. The PP has confirmed that equal land will be given as a part of displacement.	The Sindesar Khurd village R&R is currently being undertaken by the district administration and is currently underway. The administration has completed conduct of Public Hearing to discuss draft SIA report. The process of forming a multidisciplinary expert committee to examine the final SIA report has been initiated by District Collector
15	Implementation of conservation of all Schedule-I species as per revised plan submitted to DFO-Rajsamand for approval vide letter no. SKM/ENV/DFO/2018/01 dated 09.01.2018 with budgetary provision of Rs. 2 Crore. The Proponent shall implement the Wildlife Conservation Plan along with the funds so allocated with consultation of Chief Wild Life Warden of the State Govt. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Lucknow and the Chief Wildlife Warden of the State Govt.	As per the direction received from DCF Rajsamand dated 30.03.2022 and as per the revised SOP for WLCP, we have revised the WLCP cost, and Total 210.2 Lakhs administrative fee submitted for the approval of WLCP into RPACS account. and same is under process of approval for further implementation. Copy of forwarding letter is enclosed as Annexure- VI.
16	Implementation of action plan on remedial and preventive actions for lead contamination on human health for the community in consultation with experts with budgetary provisions of Rs 50 Lakhs for conducting various programs in connection to Lead.	Action plan has been made. Awareness programs conducted. In addition to this, High capacity (1500 Liter/Hr) community ROs have been installed at Kothdi, Mehanduriya, Kabra, Gawardi, Rajpura and Railmagra villages. These community RO are further having a distribution network of 16 Water ATMs in surrounding villages, which are provided for meeting the safe drinking water requirement of surrounding villages/ community.
17	PP shall run an awareness campaign on sanitation for women and utilization of Sanitary Napkin and also to distribute the Sanitary Napkin/pads to the women and provide the training for proper disposal.	Being Complied, We have collaborated with "Manjari Foundation" under Sakhi project along with medical professional of Govt. Health

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		Dept., who have conducted awareness camps in surrounding villages covering women and school female students. The same is under progress in other villages and sanitary napkins provided. Copy of latest awareness campaign is enclosed as Annexure- XV.
18	Implementation of Action Plan on the issues raised during the Public Hearing shall be ensured. The Project Proponent shall complete all the tasks as per the Action Plan submitted with budgetary provisions during the Public Hearing.	Actions are being taken as per action plan.
19	Implementation of the outcome of study with regard to "optimization of blast design parameter for the safety and stability of surface structures and subsequent monitoring of vibration on the surface structures for their long-term stability" which was carried out by Central Institute of Mining and Fuel Research should be ensured.	Blast design Study by CSIR-CIMFR and implementation of outcomes are being ensured.
20	Continuous monitoring of radioactive elements, if any, shall be undertaken till entire mine is dewatered and report has to be submitted to MoEFCC Regional Office. Periodic monitoring of any adverse impact of Radon and its daughter products on any worker should be included in the Occupational Health Monitoring Programme.	Being complied, Monitoring of radioactive elements is being ensured and Periodic monitoring of persons is also being done. The report of the same is being submitted along with half yearly compliance report. Copy of latest report is attached here as Annexure - VIII.

B.	Standard conditions.	
1	A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.	Noted and shall be complied as of now, Mine is in operation. Shall be ensured before closure.
2	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.	Being Complied, Work is being done as per Mine plan approved by IBM.
3	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	No change is being done without prior approval.
4	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.	No ground water withdrawal is being done. HZL has established STP to treat the sewage of Udaipur City and treated water from the same is main source of water for mining process

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		<p>and HZL has agreement with State government for Matrikundia Dam water.</p> <p>NOC for dewatering has been accorded by CGWA for 231.15 KLD. Application for enhanced capacity of 395 KLD has been applied for 24.09.2024.</p> <p>(Copy enclosed as Annexure - IX).</p>
5	Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM) as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).	Mining operations are being ensured as per mine plan approved by IBM and DGMS guidelines.
6	The lands which are not owned by Proponent, mining will be carried out only after obtaining the consents from all the concerned land owners as per the provisions of the Mineral Concession Rules, 1960 and MMDR Act, 1957.	The same will be ensured. At present mining is being ensured within specified and approved area.
7	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office.	The latest digital mapping by remote sensing technique for monitoring of land use pattern of entire mine lease area has been conducted during June 2021. Detailed study report was submitted along with EC compliance report for Apr'21-Sept'21 dtd 26.11.2021. Copy of cover page of the study report is enclosed as Annexure- X.
8	The critical parameters as per the Notification 2009 such as PM10, PM2.5, NOx and SOx etc. in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J- 20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	<p>Being Complied,</p> <p>Our Mine is underground mine. However, all said parameters with peak particle velocity are being monitored. Zero discharge is maintained by Recycling in operations. All the Data as per the circular No. J- 20012/1/2006-IA. II (M) dated 27.05.2009 is being displayed on company website and Ambient Air Monitoring data of online monitoring stations is being displayed at main gate.</p>
9	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient	<p>Being Complied,</p> <p>3 nos. online monitoring stations installed at site results of the same are being displayed at the main gate. Apart from this Monthly AAQ monitoring from 5 locations from core</p>

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	<p>Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended from time to time by the Central Pollution Control Board.</p>	<p>and buffer zone is being done as per AAQ notification 2009.</p> <p>Water sprinkling on loading and unloading points, transfer points is being done. Permanent water sprinklers are provided at Crushers with venturi spray. Haul roads are being wetted through mobile water sprinkler. Conveyors are covered. Transfer points have dust control system. In addition to above, sprinkling of water through tanker with special reagent to suppress the dust on haul road areas by increasing moisture for settling of dust is being ensured. Photo enclosed as Annexure – XI.</p>
10	<p>Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. The monitoring shall be carried out four times in a year pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board.</p>	<p>Being Complied,</p> <p>No natural water course is flowing through mining lease hence no such obstruction is done due to mining operations. Network has been established to monitor ground water in and around the mines. Regular monitoring is being carried out and reports are submitted to respective regulatory departments with periodical compliance reports. Copy of monitoring reports are enclosed as Annexure – XII.</p>
11	<p>Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.</p>	<p>Being Complied,</p> <p>No natural water bodies or streams flowing in and around village is disturbed. Network has been established to monitor ground water table in and around the mines and regular monitoring is being carried out. Water supply to some villages is being done. The same will be expanded during scarcity.</p>
12	<p>Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.</p>	<p>Complied,</p> <p>Regular monitoring is carried out & reports are being submitted. Copy enclosed as Annexure – XII.</p>

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13	<p>Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the Impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads.</p>	<p>Ore produced from the mines is being treated in Ore beneficiation plant available in the same premises. Necessary precautions are being taken care to minimise impact due to transportation of minerals. Avenue plantation in both sides of roads is developed and PUC certificates for all vehicles are being ensured. All transportation vehicles are covered by tarpaulin. Special safety trainings are being imparted to all drivers with reference to our HZLs internal safety standard "Vehicle and Driving Safety". Water sprinkling is being done on the haul roads for dust suppression. Noise is being controlled by equipment designing stage. Widening of road outside mine area has been done.</p>
14	<p>The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.</p>	<p>Majority of the mining operations are being done in day time. Illumination is being maintained as such way that there will not be any impact on surrounding villages. Mask lights are established accordingly. Monitoring of noise (Day/Night) is being done. Copy enclosed as Annexure - XIII. Necessary precaution is taken during taken during equipment design stage to minimise the impact of noise. DG sets and other equipment's are ensured with Acoustic enclosure and others are located in closed shed to minimise the impact of noise in surrounding.</p>
15	<p>Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt-conveyors facilities the system should be fully covered to avoid air borne dust; Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.</p>	<p>Being Complied, Permanent water sprinklers are provided at main haul road ,Crushers and conveyors. Conveyors are covered. Transfer points have dust control system. In addition to above, Also Successful trials have been taken to use "Dustron" the reagent suppress the dust on haul road areas by increasing moisture for settling of dust and found effective and started</p>

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		using the same. Plantation is done to minimise the impact of dust.
16	Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of pH shall be included in the monitoring plan and report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.	Our Mine is underground mine. Network of Drains and ponds are provided to collect surface run-off from dump and other areas in mine premises. It also avoids flow of sediments directly natural water bodies. Water is being recycled after necessary precaution of settling of silt material connected through retaining wall / garland drain and desiltation pit.
17	There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.	Deepening of village 17 village ponds and construction of 4 anicuts has been done in different phases to improve water conservation by creating additional volume of 3.88 lakh M3. Copy of photo attached as Annex - XIV .
18	The Project Proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/levelling with the help of dozer/compactors.	Regular monitoring of slope stability of waste dump mass is being done. The waste dump consolidation is being done by compactor and dozer on regular basis. The Survey of waste dump is carried out regularly and records maintained. Drain with ponds are provided to collect water. Report of slope and stability monitoring is being submitted along with half year compliance report. Latest report is enclosed as Annex-III .
19	The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are SO chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adopted to that micro climate.	Noted and shall be complied, At present waste dump is in active stage. On maturity, inactive waste dump will be reclaimed in scientific manner. Waste rock generated from mining is being used for filling of mine voids and being used in construction work of height raising in tailing dam. Waste remained during closure will be filled back in mine voids at the time of mine closure and scientific reclamation by plantation of suitable species will be ensured at waste dump.

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20	<p>The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 60m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.</p>	<p>Being underground mine and is in operation. No top soil removal is envisaged. However necessary precautions will take care for the same.</p> <p>At present waste dump is in active stage. Prescribed height, width and angle is being maintained. Inactive waste dump will be reclaimed in scientific manner. Waste rock generated from mining is being used for filling of mine voids. Waste remained during closure will be filled back in mine voids at the time of mine closure voids at the time of mine closure and scientific reclamation by plantation of suitable species will be ensured at waste dump.</p>
21	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50 safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>No natural watercourse is obstructed during mining operations. Catch drains for mine working and mineral dump provided to prevent water run-off and flow of sediments directly natural water bodies. Water is being recycled after necessary precaution of settling of silt material through retaining wall /garland drain and desiltation pit. Zero liquid discharge is being ensured.</p>
22	<p>Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB Guidelines. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.</p>	<p>The plantation has been carried out of species as per guidance from DFO for available areas to make green belt. Till date 1,12,870 Nos of plants have been planted within mine lease to cover more than 33% area under plantation. Total 520 Nos of new plants have been planted during FY 2024-25. Further, system of gap filling plantation against plant mortality is in place. Majorly planted species are Cassia Siamea, neem</p>

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		(Azadiracta indica), Saptparni (Alstonia Schlaris), karanj (Ficus Pinnata), Silver oak, Shisham, Ber (Ziziphus mauritiana), Kachnar, dhaak (Butea monosperma), Amaltas (cassia fistula), Bauhnia (Bauhnia purpurea), etc.
23	Project Proponent shall follow the mitigation measures. provided in Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29 th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area", if any, applicable to the project.	All the requirement of said office memorandum is already covered in various condition of this Environment Clearance letter. Accordingly, compliance status is also given for each condition.
24	<p>The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing, if any.</p> <p>In this context, Project Proponent should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling and plantation of such trees should be promoted.</p>	No livestock grazing or acquisition of grazing land is envisaged. Hence Not Applicable.
25	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office.	Precautionary measures are being taken care for conservation & protection of Biodiversity by various initiatives. WLCP is under approval, As per the direction received from DCF Rajsamand dated 30.03.2022 and as per the revised SOP for WLCP, we have revised the WLCP cost, and Total 210.2 Lakhs administrative fee submitted for the approval of WLCP into RPACS account. and same is under process of approval for further implementation. Copy of forwarding letter is enclosed as Annexure- VI .

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26	As per the Company Act, the CSR cost should be 2 % of average net profit of last three years. Hence CSR expenses should be as per the Company Act/Rule for the Socio Economic Development of the neighbourhood Habitats which could be planned and executed by the Project Proponent more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers. The report shall be submitted to the Ministry of Environment, Forest and Climate Change and Its Regional Office on six monthly basis.	Being Complied, Dedicated team is available at location to implement the CSR projects identified based on survey conducted by reputed organizations. Progress and quality of Implementation of the same is being is being verified in defined frequency by agency appointed by corporate office. Latest highlights of CSR activity is attached as Annexure – XV .
27	The Ministry has issued a circular vide no. 22-65/2017-IA.III, dated 1st May2018 on Corporate Environment Responsibility (CER). Accordingly, PP shall comply the circular w.r.t. details of budget and its activities.	Noted and being complied with.
28	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.	Being Complied, As per our safety policy, we do not provide accommodation for housing at the site. The same is being provided away from the site by our projects contractors with all necessary infra structures. Also infrastructures like Bio-Toilets, safe drinking water and medical health care is being ensured at site.
29	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	Being Complied, Necessary measures have been taken to control the noise levels below 85 dBA. All DGs are having acoustic enclosure. Other noise generating equipment's are placed in closed building in isolated. PPEs including ear plugs/muffs are provided to workers engaged in operations of HEMM, etc.
30	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluent.	Mine water is reused in operations. Oil and grease trap systems provided in workshop and water is being reused for further operations. Treatment and Quality of the same is being ensured as per prescribed standard.
31	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health	Being Complied, Job and area specific Training with necessary information to all employees is being imparted in

Compliance Report of Environmental Clearance

	aspects.	regular intervals and PPEs are also provided.
32	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied, Separate Environmental Management Cell is in place.
33	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office.	Sufficient Fund is being allocated for Environment protection for every financial year and not been diverted for other purpose. Following is the detail of environmental Expenditure for years: 2019-20 was Rs. 1,27,39,126/- 2020-21 was Rs. 1,15,77,379/- 2021-22 was Rs. 3,23,51,588/- 2022-23 was Rs. 2,17,79,658/- 2023-24 was Rs. 2,32,47,896/- H1 2024-25 is Rs. 1,47,43,120/-
34	The project authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Being complied, expansion project, all approvals are in place.
35	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.	Being Complied, Half yearly reports are being submitted regularly within prescribed time. Copy of cover letter of previous compliance HZL/SKM/ENV/2024/EC Comp/68 dated 25.05.2024 is enclosed as Annexure – XVI.
36	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted for Compliance.
37	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied, Letter has been sent to local panchayat on 04 June 2018.
38	State Pollution Control Board should display a copy of the clearance letter at the regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.	Noted.

Compliance Report of Environmental Clearance

39	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.	Complied, Published on 06.06.2018 in Rajasthan Patrika & Danik Bhaskar Rajsamand Edition. Copy of the same has been already submitted to MoEF&CC along half yearly EC compliance report. Copy enclosed as Annexure – XVII .
16	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 and shall be complied
17	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted.
18	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Rajasthan and any other Court of Law relating to the subject matter.	Noted and shall be complied
19	Any appeal against this environmental clearance 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.

कार्यालय उप वन संरक्षक, राजसमन्द

Sadhna Sikhar Road, Rajsamand Phone & Fax No. 02952-220096 Email- dcf.rjsmnd.forest@rajasthan.gov.in
क्रमांक: पत्रा () सर्वे/उवसं/2017-18/ 3721 दिनांक: 22-9-17


निमित्त :-

यूनिट हेड
सिन्देसर खुर्द माईन
हिन्दुस्तान जिंक लि०
जिला राजसमन्द।

विषय :- Certificate for Non-involvement of National Park, Sanctuary, Biosphere Reserve, Wild life corridor, Tiger/Elephant Reserves in Core and Buffer Zone. (10 km radius of Sindesar Khurd Mine, M.L. No. 07/95)

संदर्भ :- आपका पत्रांक HZL/SKM/Env/2017/08/42 Date : 29.08.2017 के क्रम में।

उपरोक्त विषयान्तर्गत संदर्भित पत्र में वर्णित एम.एल. नम्बर 07/95 सिन्देसर खुर्द माईन के चारो तरफ 10 किमी० की परिधि में National Park, Sanctuary, Biosphere Reserve, Wild life corridor, Tiger/Elephant Reserves in Core and Buffer Zone क्षेत्र नहीं पड़ता है।


(कुमार स्वामी गुप्ता)
उप वन संरक्षक
राजसमन्द



Sample ID No.: SCS/AAQ/20240413/11	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/11	Date of Report: 25.04.2024


AMBIENT AIR QUALITY MONITORING REPORT

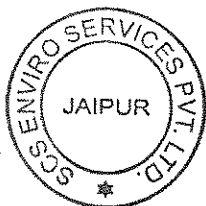
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'07.09"N
the Location : 74°08'42.81"E
Ambient Temperature : 37.8°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	110.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	66.5 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	40.8 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	15.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.25 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240413/12	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/12	Date of Report: 25.04.2024


AMBIENT AIR QUALITY MONITORING REPORT

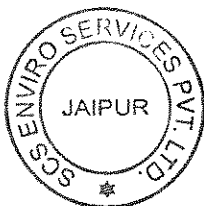
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'23.44"N
the Location : 74°08'50.69"E
Ambient Temperature : 38.0°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	125.6 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	71.5 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	43.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	15.9 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1,031 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.30 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240413/13	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/13	Date of Report: 25.04.2024


AMBIENT AIR QUALITY MONITORING REPORT

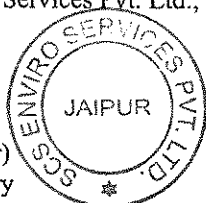
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Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'14.72"N
the Location : 74°08'36.57"E
Ambient Temperature : 38.2°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	117.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	68.1 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	41.3 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	13.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.28 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240413/14	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/14	Date of Report: 25.04.2024

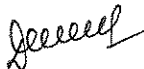
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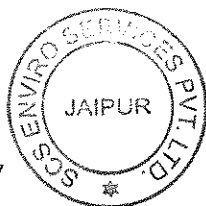
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°02'09.92"N
the Location : 74°09'21.51"E
Ambient Temperature : 38.5°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	94.5 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	59.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	35.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.7 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	11.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.12 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240413/15	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/15	Date of Report: 25.04.2024


AMBIENT AIR QUALITY MONITORING REPORT

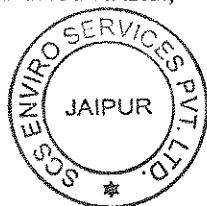
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.01"N
the Location : 74°08'49.09"E
Ambient Temperature : 36.3°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	90.4 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	55.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	33.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.4 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.6 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.12 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240413/16	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AAQ/20240413/16	Date of Report: 25.04.2024

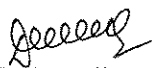
AMBIENT AIR QUALITY MONITORING REPORT

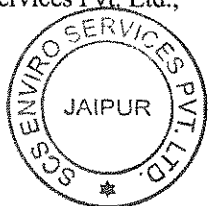
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.04.2024
Date of start of testing : 17.04.2024
Date of end of testing : 25.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.07"N
the Location : 74°07'58.84"E
Ambient Temperature : 36.5°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	117.4 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	70.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	41.6 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.7 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	15.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1,031 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.30 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/03	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/03(1/2)	Date of Report: 20.05.2024


AMBIENT AIR QUALITY MONITORING REPORT

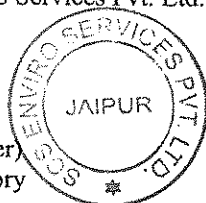
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'06.91"N
the Location : 74°08'42. 73"E
Ambient Temperature : 41.3°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	83.0 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	63.5 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	38.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	12.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	21.2 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	53.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	40.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.30 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	1.93 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/03	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/03(2/2)	Date of Report: 20.05.2024

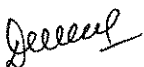
AMBIENT AIR QUALITY MONITORING REPORT

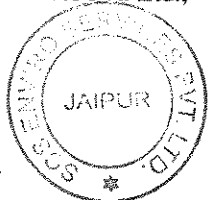
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'06.91"N
Location : 74°08'42. 73"E
Ambient Temperature : 41.3°C
Name of Location : Near Encline Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/04	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/04(1/2)	Date of Report: 20.05.2024

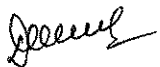
AMBIENT AIR QUALITY MONITORING REPORT

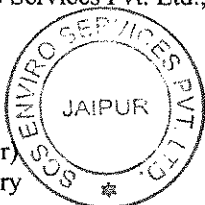
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'23.66"N
the Location : 74°08'50.87"E
Ambient Temperature : 41.6°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	109.7 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	60.8 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	35.4 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.3 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	11.6 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	46.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	38.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.20 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.81 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/04	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/04(2/2)	Date of Report: 20.05.2024

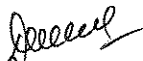
AMBIENT AIR QUALITY MONITORING REPORT

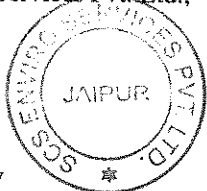
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'23.66"N
Location : 74°08'50.87"E
Ambient Temperature : 41.6°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/05	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/05(1/2)	Date of Report: 20.05.2024

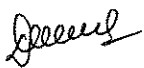
AMBIENT AIR QUALITY MONITORING REPORT

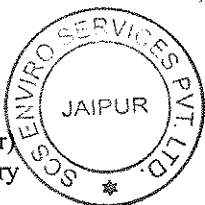
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'14.66"N
the Location : 74°08'36.21"E
Ambient Temperature : 41.9°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	116.2 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	65.4 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	39.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.7 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	42.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	40.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.13 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.65 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/05	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/05(2/2)	Date of Report: 20.05.2024


AMBIENT AIR QUALITY MONITORING REPORT

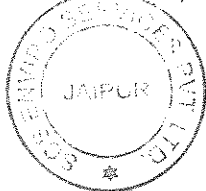
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'14.66"N
Location : 74°08'36.21"E
Ambient Temperature : 41.9°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/06	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/06(1/2)	Date of Report: 20.05.2024

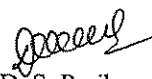
AMBIENT AIR QUALITY MONITORING REPORT

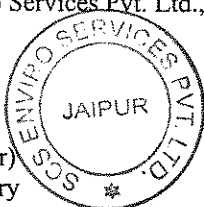
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°02'09.90"N
the Location : 74°09'21.49"E
Ambient Temperature : 42.0°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	106.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	53.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	32.4 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.0 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	48.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	38.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.12 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.43 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/06	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/06(2/2)	Date of Report: 20.05.2024

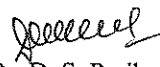
AMBIENT AIR QUALITY MONITORING REPORT

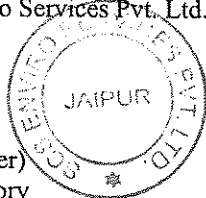
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°02'09.90"N
Location : 74°09'21.49"E
Ambient Temperature : 42.0°C
Name of Location : Near Bamania Kalan Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/07	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/07(1/2)	Date of Report: 20.05.2024

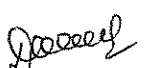
AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.03"N
the Location : 74°08'49.11"E
Ambient Temperature : 41.5°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	93.6 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	62.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	37.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	14.7 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	53.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	42.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.23 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.95 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/07	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/07(2/2)	Date of Report: 20.05.2024

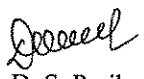
AMBIENT AIR QUALITY MONITORING REPORT

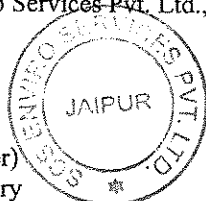
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°57'30.03"N
Location : 74°08'49.11"E
Ambient Temperature : 41.5°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
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Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/08	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/08(1/2)	Date of Report: 20.05.2024

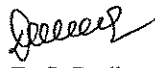
AMBIENT AIR QUALITY MONITORING REPORT

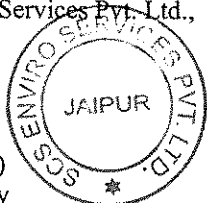
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.06 "N
the Location : 74°07'58.84"E
Ambient Temperature : 42.0°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	126.4 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	74.1 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	44.6 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	9.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	17.8 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	60.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	1,145 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	49.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.35 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	2.73 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240510/08	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AAQ/20240510/08(2/2)	Date of Report: 20.05.2024

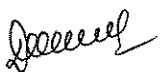
AMBIENT AIR QUALITY MONITORING REPORT

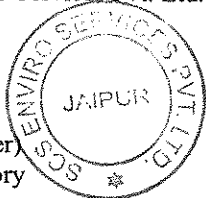
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°58'17.06 "N
Location : 74°07'58.84"E
Ambient Temperature : 42.0°C
Name of Location : Near Rajpura Village
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240619/20	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/20	Date of Report: 29.06.2024


AMBIENT AIR QUALITY MONITORING REPORT

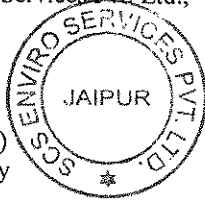
Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'06.93"N
the Location : 74°08'42.74"E
Ambient Temperature : 35.5°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	122.7 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	70.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	42.4 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.8 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	16.3 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1031 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.30 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240619/21	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/21	Date of Report: 29.06.2024

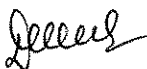
AMBIENT AIR QUALITY MONITORING REPORT

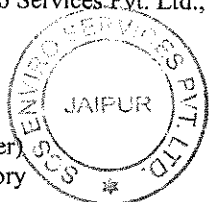
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'23.68"N
the Location : 74°08'50.85"E
Ambient Temperature : 35.8°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	132.0 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	75.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	46.2 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.1 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	17.6 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1,145 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.36 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
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Sample ID No.: SCS/AAQ/20240619/22	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/22	Date of Report: 29.06.2024


AMBIENT AIR QUALITY MONITORING REPORT

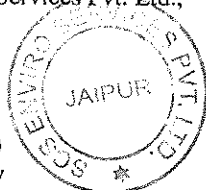
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'14.68"N
the Location : 74°08'36.17"E
Ambient Temperature : 36.0°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	138.9 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	79.4 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	47.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	9.5 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	17.9 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1,260 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.42 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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Sample ID No.: SCS/AAQ/20240619/23	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/23	Date of Report: 29.06.2024

AMBIENT AIR QUALITY MONITORING REPORT

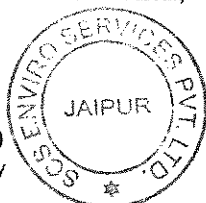
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°02'09.90"N
the Location : 74°09'21.49"E
Ambient Temperature : 36.0°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	86.2 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	54.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	32.8 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.3 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.14 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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Sample ID No.: SCS/AAQ/20240619/24	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/24	Date of Report: 29.06.2024


AMBIENT AIR QUALITY MONITORING REPORT

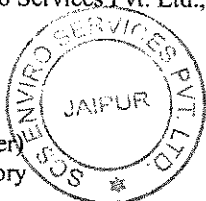
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 20.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.03"N
the Location : 74°08'49.11"E
Ambient Temperature : 34.6°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	112.0 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	51.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	31.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	8.7 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	573 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	< 0.10 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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Sample ID No.: SCS/AAQ/20240619/25	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AAQ/20240619/25	Date of Report: 29.06.2024


AMBIENT AIR QUALITY MONITORING REPORT

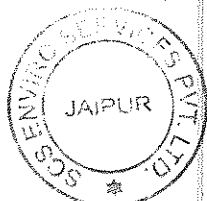
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 20.06.2024
Date of start of testing : 24.06.2024
Date of end of testing : 29.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.06"N
the Location : 74°07'58.84"E
Ambient Temperature : 34.9°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	130.9 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	68.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	42.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	9.8 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	14.1 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	1,031 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.30 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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Authorised Signatory



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Sample ID No.: SCS/AAQ/20240715/35	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/35(1/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

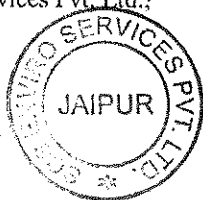
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°00'06.93"N
74°08'42.77"E
Ambient Temperature : 31.5°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	70.5 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	52.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	29.6 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.4 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.6 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	42.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	36.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.13 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.65 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.;


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/35	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/35(2/2)	Date of Report: 25.07.2024

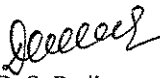
AMBIENT AIR QUALITY MONITORING REPORT

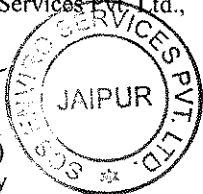
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'06.93"N
Location : 74°08'42.77"E
Ambient Temperature : 31.5°C
Name of Location : Near Encline Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- The sample will be destroyed after 15 days from the date of issue of the test report.
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- All disputes are subjected to Jaipur jurisdiction.



Sample ID No.: SCS/AAQ/20240715/36	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/36(1/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

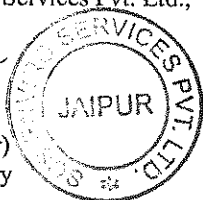
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°00'23.68"N
74°08'50.85"E
Ambient Temperature : 31.8°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(a)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	78.4 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	54.2 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	32.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.8 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.9 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	42.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	36.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.15 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.73 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/36	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/36(2/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

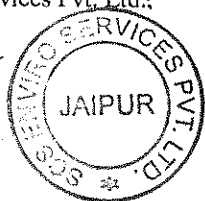
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'23.68"N
Location : 74°08'50.85"E
Ambient Temperature : 31.8°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.:


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240715/37	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/37(1/2)	Date of Report: 25.07.2024

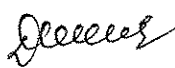
AMBIENT AIR QUALITY MONITORING REPORT

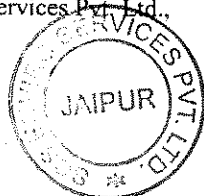
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'14.68"N
the Location : 74°08'36.17"E
Ambient Temperature : 32.0°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	80.5 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	55.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	33.3 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.5 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.2 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	40.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	37.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.12 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.50 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/37	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/37(2/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

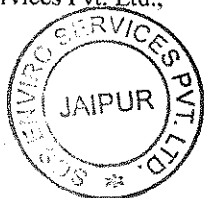
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'14.68"N
Location : 74°08'36.17"E
Ambient Temperature : 32.0°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240715/38	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/38(1/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

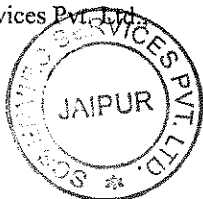
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°02'09.90"N
the Location : 74°09'21.49"E
Ambient Temperature : 32.1°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	68.0 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	49.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	28.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.1 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	42.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	36.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.10 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.38 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/38	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/38(2/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

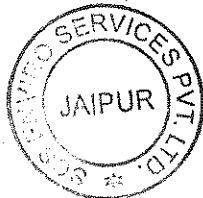
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°02'09.90"N
Location : 74°09'21.49"E
Ambient Temperature : 32.1°C
Name of Location : Near Bamania Kalan Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd., .


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240715/39	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/39(1/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

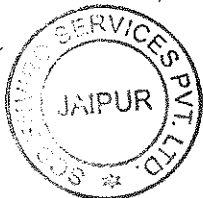
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.03"N
the Location : 74°08'49.11"E
Ambient Temperature : 30.5°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	85.0 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	57.6 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	34.2 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.1 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	11.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	46.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	573 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	38.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.15 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.53 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/39	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/39(2/2)	Date of Report: 25.07.2024


AMBIENT AIR QUALITY MONITORING REPORT

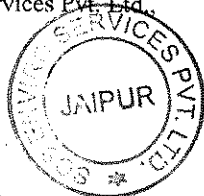
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°57'30.03"N
Location : 74°08'49.11"E
Ambient Temperature : 30.5°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.


Dr. D. S. Parihar
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Authorised Signatory



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Sample ID No.: SCS/AAQ/20240715/40	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/40(1/2)	Date of Report: 25.07.2024

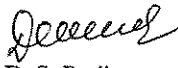
AMBIENT AIR QUALITY MONITORING REPORT

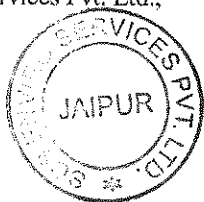
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.06 "N
the Location : 74°07'58.84"E
Ambient Temperature : 30.7°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	107.9 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	63.5 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	38.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	12.3 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	49.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	39.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.18 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.69 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP) Particulate phase only	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240715/40	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AAQ/20240715/40(2/2)	Date of Report: 25.07.2024

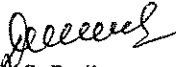
AMBIENT AIR QUALITY MONITORING REPORT

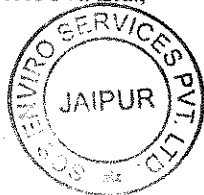
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 18.07.2024
Date of end of testing : 25.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°58'17.06 "N
Location : 74°07'58.84"E
Ambient Temperature : 30.7°C
Name of Location : Near Rajpura Village
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.;


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.



Sample ID No.: SCS/AAQ/20240816/41	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/41	Date of Report: 30.08.2024

AMBIENT AIR QUALITY MONITORING REPORT

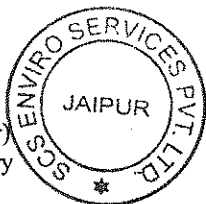
Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°00'07.06"N
74°08'42.70"E
Ambient Temperature : 26.5°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	75.1 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	58.8 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	34.9 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	9.5 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	16.7 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.23 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240816/42	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/42	Date of Report: 30.08.2024


AMBIENT AIR QUALITY MONITORING REPORT

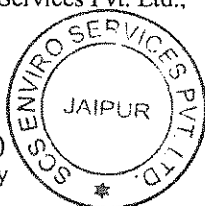
Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°00'23.83"N
74°08'50.59"E
Ambient Temperature : 26.8°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	90.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	58.1 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	36.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.4 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.19 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240816/43	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/43	Date of Report: 30.08.2024


AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'14.65"N
the Location : 74°08'36.21"E
Ambient Temperature : 26.5°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	87.1 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	62.9 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	37.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.15 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240816/44	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/44	Date of Report: 30.08.2024

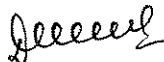
AMBIENT AIR QUALITY MONITORING REPORT

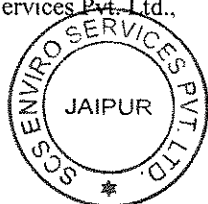
Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°02'09.92"N
the Location : 74°09'21.49"E
Ambient Temperature : 26.8°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	76.4 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	55.8 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	33.6 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.3 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.9 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.14 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240816/45	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/45	Date of Report: 30.08.2024

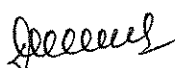
AMBIENT AIR QUALITY MONITORING REPORT

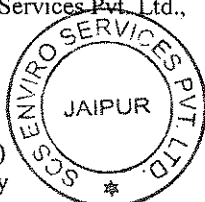
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.03"N
the Location : 74°08'49.12"E
Ambient Temperature : 27.9°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	84.2 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	56.5 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	34.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.7 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	687 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.14 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
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Sample ID No.: SCS/AAQ/20240816/46	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AAQ/20240816/46	Date of Report: 30.08.2024


AMBIENT AIR QUALITY MONITORING REPORT

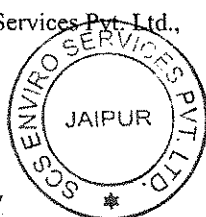
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.07"N
the Location : 74°07'58.83"E
Ambient Temperature : 26.9°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, CO, Pb

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	96.1 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	63.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	38.3 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.4 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	11.2 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Lead (Pb)	0.17 µg / m ³	1 µg / m ³	IS 5182 (Part 22)

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240921/10	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/10(1/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

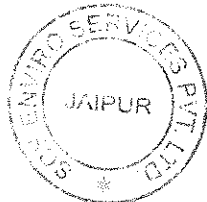
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'06.88"N
the Location : 74°08'42.70"E
Ambient Temperature : 32.2°C
Name of Location : Near Encline Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	95.6 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	63.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	37.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	8.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	13.7 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	47.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	42.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.22 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.91 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/10	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/10(2/2)	Date of Report: 03.10.2024

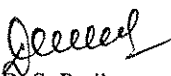
AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'06.88"N
Location : 74°08'42.70"E
Ambient Temperature : 32.2°C
Name of Location : Near Encline Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240921/11	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/11(1/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

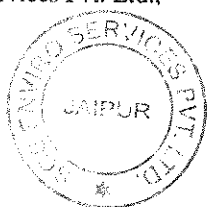
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 25°00'23.60"N
the Location : 74°08'50.51"E
Ambient Temperature : 32.3°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	96.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	62.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	37.0 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	12.0 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	45.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	41.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.19 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.86 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/11	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/11(2/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

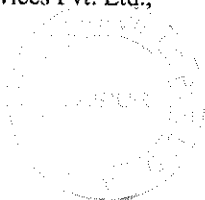
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'23.60"N
Location : 74°08'50.51"E
Ambient Temperature : 32.3°C
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.



Sample ID No.: SCS/AAQ/20240921/12	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/12(1/2)	Date of Report: 03.10.2024

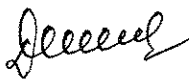
AMBIENT AIR QUALITY MONITORING REPORT

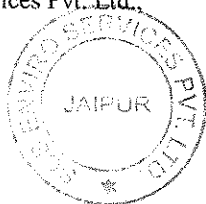
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariiba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°00'14.67"N
74°08'36.23"E
Ambient Temperature : 32.5°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	87.2 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	60.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	35.8 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.2 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	10.5 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	43.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	40.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.16 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.73 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/12	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/12(2/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

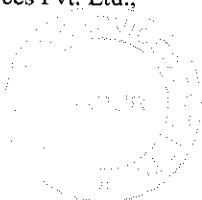
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°00'14.67"N
Location : 74°08'36.23"E
Ambient Temperature : 32.5°C
Name of Location : Near Sindesar Khurd Village Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240921/13	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/13(1/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of the Location : 25°02'09.86"N
74°09'21.48"E
Ambient Temperature : 32.7°C
Name of Location : Near Bamania Kalan Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(a)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	80.5 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	56.3 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	34.1 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	6.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	9.8 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	45.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	802 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	39.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.14 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	0.62 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(a)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/13	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/13(2/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 25°02'09.86"N
Location : 74°09'21.48"E
Ambient Temperature : 32.7°C
Name of Location : Near Bamania Kalan Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/AAQ/20240921/14	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/14(1/2)	Date of Report: 03.10.2024

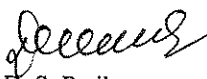
AMBIENT AIR QUALITY MONITORING REPORT

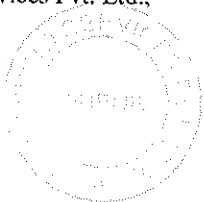
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 22.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°57'30.04"N
the Location : 74°08'49.15"E
Ambient Temperature : 32.0°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	93.6 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	62.0 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	37.5 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.6 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	12.2 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	48.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	43.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.24 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	1.03 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/14	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/14(2/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

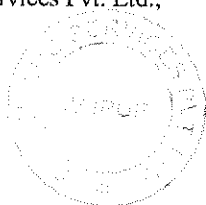
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 22.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°57'30.04"N
Location : 74°08'49.15"E
Ambient Temperature : 32.0°C
Name of Location : Near Tailing Dam Pump House Area
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


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Sample ID No.: SCS/AAQ/20240921/15	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/15(1/2)	Date of Report: 03.10.2024

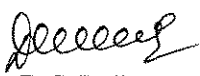
AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 22.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinates of : 24°58'17.06 "N
the Location : 74°07'58.80"E
Ambient Temperature : 32.4°C
Name of Location : Near Rajpura Village
Parameter required : SPM, PM₁₀, PM_{2.5}, SO₂, NO_x, O₃, CO, NH₃, Pb, Ni, Benzene, B(α)P

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Suspended Particulate Matter	116.3 µg / m ³	-	IS 5182 (Part 4)
Particulate Matter (PM ₁₀)	66.7 µg / m ³	100 µg / m ³	IS 5182 (Part 23)
Particulate Matter (PM _{2.5})	39.2 µg / m ³	60 µg / m ³	IS 5182 (Part 24)
Sulphur Dioxide (SO ₂)	7.9 µg / m ³	80 µg / m ³	IS 5182 (Part 2)
Oxide Of Nitrogen (NO _x)	12.8 µg / m ³	80 µg / m ³	IS 5182 (Part 6)
Ozone (O ₃)	52.0 µg / m ³	100 µg / m ³	IS 5182 (Part 9)
Carbon Monoxide (CO)	916 µg / m ³	2,000 µg / m ³	SCS/SOP/AAQ/013
Ammonia (NH ₃)	46.0 µg / m ³	400 µg / m ³	IS 5182 (Part 25)
Lead (Pb)	0.24 µg / m ³	1 µg / m ³	IS 5182 (Part 22)
Nickel (Ni)	1.16 ng / m ³	20 ng / m ³	IS 5182 (Part 26)
Benzene (C ₆ H ₆)	< 1.0 µg / m ³	5 µg / m ³	IS 5182 (Part 11)
Benzo(α)Pyrene (BaP)	< 1.0 ng / m ³	1 ng / m ³	IS 5182 (Part 12)
Particulate phase only			

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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CIN NO.: U74140RJ2013PTC042216

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ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AAQ/20240921/15	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AAQ/20240921/15(2/2)	Date of Report: 03.10.2024


AMBIENT AIR QUALITY MONITORING REPORT

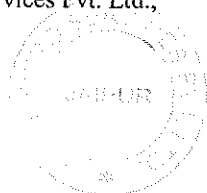
Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 22.09.2024
Date of start of testing : 24.09.2024
Date of end of testing : 03.10.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
GPS Coordinate of the : 24°58'17.06 "N
Location : 74°07'58.80"E
Ambient Temperature : 32.4°C
Name of Location : Near Rajpura Village
Parameter required : As

RESULTS

Parameter	Observed Value	Limit as per NAAQS	Protocol
Arsenic (As)	< 5.5 ng / m ³	6 ng / m ³	EPA/625/R-96/010a US EPA IO 3.4

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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CENTRAL INSTITUTE OF MINING & FUEL RESEARCH
(Council of Scientific & Industrial Research)
Barwa Road, Dhanbad – 826 001, Jharkhand
Nagpur Research Center, Mining Technology
17/C, Telenkhedi Area, Civil Line, Nagpur 440001, Maharashtra

2nd Visit Report – 04 Oct - 06 Oct, 2023, SK Mines, HZL

Part of (PO No.: 3255768469 / 5100031999 Amendment added: 24/11/2022 LI-20)



Part of SSP/N/704/2022-23

October 2023



सीएसआईआर-केंद्रीय खनन एवं ईंधन अनुसंधान संस्थान, धनबाद

CSIR- CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH, DHANBAD

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद/ Council of Scientific & Industrial Research)

परियोजना का शीर्षक: दूसरी विजिट रिपोर्ट - 04 अक्टूबर - 06 अक्टूबर, 2023, एसके माइंस, एचजेडएल

Title of the Project: 2nd Visit Report – 04 Oct - 06 Oct 2023, SK Mines, HZL

प्रायोजक/Sponsor: Hindustan Zinc Limited

संदर्भ/Ref. Work order No. Part of (PO No.: 3255768469 / 5100031999 Amendment

added: 24/11/2022 LI-20)

माह /MONTH: अक्टूबर /October 2023

*gsl
17/10/2023*

(Dr. John Loui Porathur, Chief Scientist & Project Leader)

DISCLAIMER

1. इस रिपोर्ट में निर्धारित की गई अनुशंसाओं का सख्ती से पालन किया जाए। *Recommendations stipulated in the report should be strictly followed.*
2. इन अनुशंसाओं को एक सक्षम एजेंसी के पर्यवेक्षण में लागू किया जाए। *Recommendations should be implemented under the supervision of a competent agency.*
3. यह रिपोर्ट केवल आपके कार्यालय के आंतरिक उपयोग के लिए है और इसे आपके कार्यालय अथवा आपके कर्मचारियों द्वारा पूर्ण या आंशिक रूप में प्रकाशित न किया जाए। इसे संबंधित सरकारी विभागों के अलावा बाह्य पार्टियों को परिचालित/प्रेषित न किया जाए। उद्योग के लाभ के लिए इस अनुसंधान के परिणामों को प्रकाशित करने का अधिकार सिम्फर के पास सुरक्षित है। *This Report is meant for the internal use of your organization only and it should not be published in full or part by your organization or staff. It should not be circulated/communicated to outside parties except concerned Government departments. CSIR-CIMFR reserves the right to publish the results of research for the benefit of industry.*

किया गया अध्ययन खान प्रबंधन द्वारा उपलब्ध कराए गए आंकड़ों पर आधारित है। रिपोर्ट में उल्लिखित निष्कर्ष और सिफारिशें रिपोर्ट में निर्दिष्ट भू-खनन स्थितियों पर आधारित हैं। इसके अलावा, रिपोर्ट में निर्धारित सिफारिशों के कार्यान्वयन में सीएसआईआर-सीआईएमएफआर का कोई नियंत्रण नहीं है। भू-खनन स्थितियों में परिवर्तन के साथ-साथ उपायों का अनुपालन न करने के कारण होने वाली किसी भी अप्रिय घटना के लिए अनुसंधान दल को जिम्मेदार नहीं ठहराया जाएगा। *The study conducted is based on the data supplied by the mine management. Conclusions & recommendations mentioned in the report are based on the geo-mining conditions specified in the report. Moreover, CSIR-CIMFR has no control in the implementation of the recommendations stipulated in the report. The research team will not be held responsible for any untoward incidences caused by change in geo-mining conditions as well as due to non-compliance of measures.*



5.0 STABILITY OF WASTE DUMP

Waste dump is an integral part of ground control management plan. The waste dump on the surface was inspected. A three-dimensional view of the current profile of the waste dump is shown in Figure. 19 & 20. The maximum height of the dump slope is 47 metre as shown in figure. 21. Photograph of the dump is shown in figure 22 & 23.

The following are the observations and further recommendations--

1. Surface is properly levelled, and no tension cracks found.
2. With the current bench configuration and geometry of the dump it has good stability and not have any danger of collapse.
3. Wherever the dump boundary comes closer to a haulage road, a protective wall/parapet wall needs to be constructed against the same to avoid roll down of any waste rock into the haulage road.
4. If the height of the dump from the original surface profile is increased more than 20 m, a bench of minimum 10 m width needs to be left prior to starting a second bench.
5. The dump profile movements are continued to be monitored using Total Station Survey on a regular basis.
6. Dumping operation is to be carried out as per the SOP.

Following are bench details:

Waste dump bottom level 521.79mRL

Waste dump top level 568.90mRL

- Bench height 08.21m (Top RL 530, bottom RL 521.79).
- Bench height 12m (Top RL 530 bottom RL 542)
- Bench height 08m (Top RL 550.0 bottom RL 542.00)
- Bench height 09 m (Top RL 559 Bottom RL 550.00)
- Bench height 9.9 m (Top RL 568.9 Bottom RL 559.0)



Figure 19: 3D profile of waste dump



Figure 20: Profile showing waste dump





Figure 23: Waste dump and haul road

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

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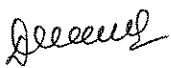
Sample ID No.: SCS/W/20240510/54	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/54	Date of Report: 20.05.2024

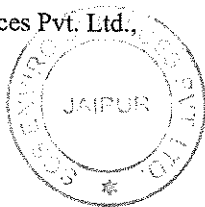
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Bamniya Kalan (Banas River)
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	32.0 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	41.5 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
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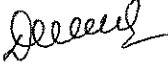
Sample ID No.: SCS/W/20240510/55	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/55	Date of Report: 20.05.2024

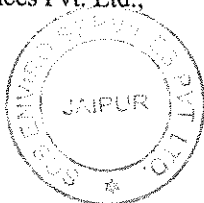
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Raghunathpura Pond
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	15.9 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	19.3 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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CIN NO: U74140RJ2013PTC042216

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Sample ID No.: SCS/W/20240510/56	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/56	Date of Report: 20.05.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Bharai Dam
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	8.1 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	15.0 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

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ISO-45001:2018 CERTIFIED LABORATORY

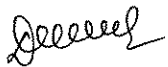
Sample ID No.: SCS/W/20240510/57	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/57	Date of Report: 20.05.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Maize Leaf) collected from Sindesar Khurd
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	14.1 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	86.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	110.5 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	5.3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

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Sample ID No.: SCS/W/20240510/58	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/58	Date of Report: 20.05.2024

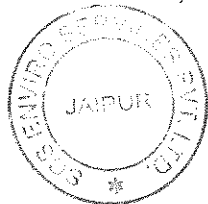
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Jwar Leaf) collected from Rajpura
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	8.3 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	32.5 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	63.0 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

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Sample ID No.: SCS/W/20240510/59	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/59	Date of Report: 20.05.2024

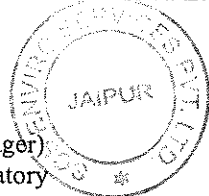
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Tomato Leaf) collected from Bamniya Kalan
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	5.7 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	20.9 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	22.6 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

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Sample ID No.: SCS/W/20240510/60	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/60	Date of Report: 20.05.2024

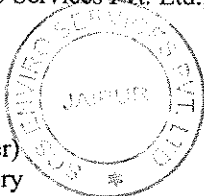
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Green Chilley Leaf) collected from Kantiya Khera
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	10.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	16.7 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
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CIN NO: U74140RJ2013PTC042216

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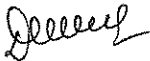
Sample ID No.: SCS/W/20240510/61	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/61	Date of Report: 20.05.2024

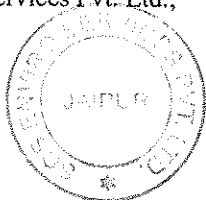
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Lady Finger) collected from Raghunathpura
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	23.0 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	39.4 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
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ISO-45001:2018 CERTIFIED LABORATORY

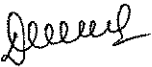
Sample ID No.: SCS/W/20240510/62	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/62	Date of Report: 20.05.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 12.05.2024
Date of start of testing : 14.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Vegetable / Crops (Brinjal) collected from SKM
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	20.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	46.1 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/92	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/92	Date of Report: 30.08.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Bamniya Kalan (Banas River)
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	25.5 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	29.7 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/93	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/93	Date of Report: 30.08.2024

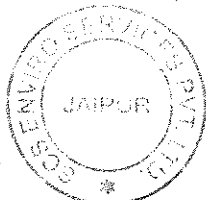
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Raghunathpura Pond
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	10.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	15.8 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/94	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/94	Date of Report: 30.08.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Aquatic Life and Invertebrates Animals (Fish) collected from Bharai Dam
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	16.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	20.0 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

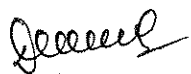
Sample ID No.: SCS/W/20240816/95	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/95	Date of Report: 30.08.2024

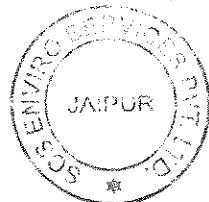
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Maize Leaf) collected from Sindesar Khurd
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	10.5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	72.1 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	93.3 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	5.3 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/96	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/96	Date of Report: 30.08.2024

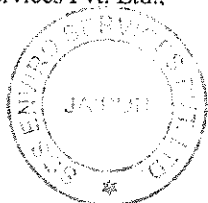
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Jwar Leaf) collected from Rajpura
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	7.6 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	20.9 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	36.2 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

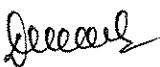
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Report No. SCS/HZL-SKM/W/20240816/97	Date of Report: 30.08.2024

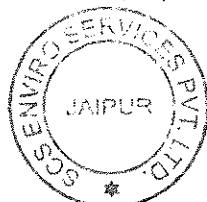
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Tomato Leaf) collected from Bamniya Kalan
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	6.4 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	32.0 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	45.1 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/98	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/98	Date of Report: 30.08.2024

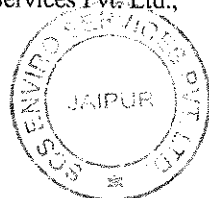
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines.
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Green Chilley Leaf) collected from Kantiya Khera
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	7.7 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	11.2 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

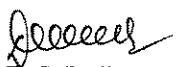
Sample ID No.: SCS/W/20240816/99	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/99	Date of Report: 30.08.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Lady Finger) collected from Raghunathpura
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	28.3 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	52.2 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240816/100	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/100	Date of Report: 30.08.2024

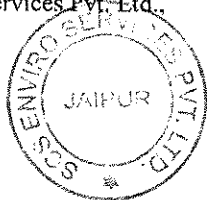
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Vegetable / Crops (Bottle Gourd) collected from SKM
Sample submitted by : SCS Representative

Parameter	Results	Protocol
Lead as Pb	< 5 PPM	APHA (24 th Edition) 3111B
Zinc as Zn	35.0 PPM	APHA (24 th Edition) 3111B
Copper as Cu	< 5 PPM	APHA (24 th Edition) 3111B
Iron as Fe	60.7 PPM	APHA (24 th Edition) 3111B
Cadmium as Cd	< 5 PPM	APHA (24 th Edition) 3111B
Nickel as Ni	< 5 PPM	APHA (24 th Edition) 3111B
Chromium as Cr	< 5 PPM	APHA (24 th Edition) 3111B
Mercury as Hg	< 2 PPM	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
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Date: 19.02.2019

To,
Director,
IA – Division (Non-Coal Mining)
A-106, Agni Block, Ist Floor,
Indira Paryavaran Bhavan
Ministry of Environment & Forests & Climate Change,
Jorbagh Road, New Delhi – 110003.

Sub.: Exemption of EC condition **"The monitoring of PM2.5 in the vehicle emission shall be conducted to improve the mine environment and report submitted to the Regional office of the MoEFCC.**

Ref : 1. Environment Clearance (letter No. J-11015/7/2017-IA.II (M) dated 31st May 2018) of Sindesar Khurd Mine From Ministry of Environment ,Forest & Climate Change.
2.MOEF&CC Letter No.F.No. 22-34/2018-IA.III, dated 08.01.2019 - Standardization of Environment Clearance conditions for Non-Coal mining sector — reg.

Sir,

With reference to aforesaid subject, we would like to bring to your kind notice that Ministry of Environment, Forest & Climate Change(MoEF&CC) has accorded the Environment Clearance for our project proposal of "Expansion of Sindesar Khurd Lead –Zinc underground mine from 4.5 million TPA to 6.0 million TPA ore production (ROM) basis and beneficiation from 5.0 million TPA to 6.5 TPA, located at Sindesar Khurd village Tehsil: Relmagra, District, Rajsamand, Rajasthan (ML No.07/95), vide letter No. J-11015/7/2017-IA.II (M) dated 31st May 2018 with **specific condition no.13 The monitoring of PM2.5 in the vehicle emission shall be conducted to improve the mine environment and report submitted to the Regional office of the MoEFCC.**

We would like to submit that we are monitoring vehicular emission on regular basis for the parameters mentioned in the BS IV norms and Pollution Under Control (PUC) certificates for all the vehicles from authorized centres is obtained. However, we are not able to monitor PM2.5 in vehicular emission due to unavailability of established technology/instrument.

We would like to draw your attention on following standard Environment Clearance condition for Non-Coal mining sector circulated by your good office vide above mentioned letter:

"i. No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose

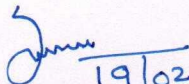
of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. **Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centres."**

All the measures stated in above conditions are being met and complied by us. We are regularly monitoring the vehicular emissions as per BS IV norms. Copy of the PUC enclosed for your ready reference.

Since, we are complying with the standard conditions stated above and due to technical infeasibility of conducting PM2.5 in vehicular emission, we are requesting you to exempt us from the compliance of this condition.

Thanking you.

Yours faithfully,


19/02/2020
Sanjay Kumar Sharma

Unit Head – Sindesar Khurd Mine

CC to:

Director,
Ministry of Environment & Forests & Climate Change,
Regional Office (Central Region),
Kendriya Bhawan, 5th Floor,
Sector "H", Aliganj,
Lucknow - 2266024

BRIEF NOTE ON (SPECIFIC CONDITION-14)

ग्राम सिंदेसर खुर्द को अन्यत्र बसाने के लिए ग्राम सिंदेसर खुर्द से 2 किलोमीटर दूर इसी ग्राम की सीमा में सूरजबारी माताजी के पास 60 बीघा भूमि आवासीय प्रयोजनार्थ संपरिवर्तित करवायी है।

1. संपरिवर्तित जवत भूमि में स्वीकृत प्लान अनुसार पक्की सड़कें बनाकर प्लॉट्स के पिलर लगा कर प्लॉट्स की मार्किंग व नम्बरींग कर दी गयी है।
विधुत आपूर्ति तथा पेयजल हेतु कार्यवाही की जा चुकी है। सामान्य सुविधा के लिए सामुदायिक भवन का निर्माण प्रारम्भ किया जा चुका है।
2. आवासीय भूमि की D.C. दर 300 रुपये प्रति वर्ग फीट है जिसके मुकाबले 1700 रुपये प्रति वर्ग फीट निर्धारित की गयी है तथा आवासीय भूमि के क्षेत्र के बराबर या उससे अधिक 900 वर्ग फीट न्यूनतम तथा इसके गुणांक में रूपांतरित भूमि में निःशुल्क प्लॉट देना तय किया है।
3. विस्थापित किये जाने वाले ग्राम सिंदेसर खुर्द में दिनांक 31.05.2019 के बाद किसी प्रकार का निर्माण कार्य नहीं करने हेतु श्रीमान तहसीलदार रेलमगरा द्वारा राजस्थान पत्रिका राजसमंद के दिनांक 11.06.2019 के अंक में सूचना भी प्रकाशित की गयी है।
4. विस्थापन के इच्छुक परिवारों की सहमति अनुसार 17 पत्रावलीया भूमि (पट्टे) व निर्माण लागत के निर्धारण हेतु तैयार की गई। जिनमें आवासीय भूमि के पट्टों में कमीया पायी गई। उदारणतः मौके पर पट्टे की तुलना में लम्बाई चौड़ाई कम या ज्यादा पायी गई। एक ही भूखण्ड का दोहरा पट्टा जारी किया जाना कृषि भूमि में पट्टा जारी किया जाना इत्यादि। इच्छुक परिवारों की पत्रावली में बाद सभी कमी पूर्ति के अंतिम रूप से 7 पत्रावलीया तैयार की गई लेकिन कोविड -19 की वजह से चेक जारी नहीं किये जा सके।

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राज्य पत्रिका राजस्थान

11.06.2019

सूचना

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जिला कलक्टर महोदय, राजसमन्द के आदेश क्रमांक 1418-26 दिनांक 04.06.2019 के अनुसार ग्राम सिन्देसर खुर्द को अन्यत्र बसाने के संबंध में लिए गये निर्णय अनुसार विस्थापन हेतु तहसीलदार रेलमगरा की उपस्थिति में कमेटी का गठन किया गया है। उक्त कमेटी ग्राम सिन्देसर खुर्द के अन्यत्र बसाने के मामले में ग्रामवासियों के प्रभावित मकानों, भूखण्डों व कृषि भूमियों के संबंध में स्थानीय व्यक्तियों से सम्पर्क/ सलाह/ समझौता कर सर्वे कार्य किया जायेगा और इसके साथ ही प्रभावित ग्रामवासियों को अन्यत्र बसाने का कार्य भी मजबूत आम किया जायेगा, एवं उनकी व्यक्तिगत एवं सामूहिक समस्याओं पर विचार किया जायेगा और सभी ग्रामवासियों को यह सूचित किया जायेगा कि दिनांक 31.05.2019 के बाद किसी प्रकार का निर्माण कार्य नहीं करें।

तहसीलदार-रेलमगरा

पृष्ठ-05, dtd. 11.06.2019

राज्य पत्रिका राजस्थान

सूचना

जिला कलक्टर महोदय, राजसमन्द के आदेश क्रमांक 1418-26 दिनांक 04.06.2019 के अनुसार ग्राम सिन्देसर खुर्द को अन्यत्र बसाने के संबंध में लिए गये निर्णय अनुसार विस्थापन हेतु तहसीलदार रेलमगरा की उपस्थिति में कमेटी का गठन किया गया है। उक्त कमेटी ग्राम सिन्देसर खुर्द के अन्यत्र बसाने के मामले में ग्रामवासियों के प्रभावित मकानों, भूखण्डों व कृषि भूमियों के संबंध में स्थानीय व्यक्तियों से सम्पर्क/ सलाह/ समझौता कर सर्वे कार्य किया जायेगा और इसके साथ ही प्रभावित ग्रामवासियों को अन्यत्र बसाने का कार्य भी मजबूत आम किया जायेगा, एवं उनकी व्यक्तिगत एवं सामूहिक समस्याओं पर विचार किया जायेगा और सभी ग्रामवासियों को यह सूचित किया जायेगा कि दिनांक 31.05.2019 के बाद किसी प्रकार का निर्माण कार्य नहीं करें।

तहसीलदार-रेलमगरा



CCS NATIONAL INSTITUTE OF AGRICULTURAL MARKETING

कार्यालय उप वन संरक्षक वन्यजीव राजसमन्द

क्रमांक एफ(उवसवजी)/सर्वे/2024
निमित्त

3833

दिनांक 24-04-24

मुख्य वन संरक्षक
वन्यजीव उदयपुर।

विषय- Approval of wildlife conservation plan, Schedule -I Species for Sindesar Khurd Mines of M/s Hindusthan Zinc Limited located at village Sindesar Khurd, Tehsil Railmagra Dist. Rajsamand (ML.No. 07/95)

संदर्भ- प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक राज. जयपुर के पत्रांक 212 दिनांक 28.01.2022 के क्रम में

महोदय

उपरोक्त विषयान्तर्गत निवेदन है संदर्भित पत्र से मैसर्स हिन्दुस्तान जिंक लि. दरीबा राजसमन्द का wildlife conservation plan (200 lakh) for Hindustan Zinc Ltd. Sindesar khurd, Mines ML.No. 07/95 का 10.51 करोड़ रुपये की वन्यजीव संरक्षण योजना (WCP) बनाने हेतु निर्देशित किया गया था।

मैसर्स हिन्दुस्तान जिंक लि. दरीबा राजसमन्द के पत्रांक दिनांक 23.03.2024 द्वारा 10.51 करोड़ रुपये की वन्यजीव संरक्षण योजना (WCP) तैयार कर इस कार्यालय को अनुमोदनार्थ प्रस्तुत किया गया है। उल्लेखनीय है कि प्रयोक्ता अभिकरण को RPACS खाते में वन्यजीव संरक्षण योजना (WCP) 10.51 करोड़ की कुल 20 प्रतिशत $(10.51 \times 20 / 100 = 2.102 \text{ करोड़})$ राशि जमा करवानी थी, जिसमें से 40 लाख दिनांक 13.04.2021 एवं 170.20 लाख दिनांक 21.06.2023 को कुल राशि 2.102 करोड़ रुपये जमा करवा दिया गया है।

इस कार्यालय द्वारा वन्यजीव संरक्षण योजना (WCP) में वांछित पूर्ति उपरान्त अनुमोदन कराने हेतु संलग्न प्रेषित है।

संलग्न- प्रस्ताव 2 प्रतियों

भवदीय

(सुदर्शन शर्मा)

उप वन संरक्षक

वन्यजीव राजसमन्द

दिनांक

क्रमांक एफ(उवसवजी)/सर्वे/2024

प्रतिलिपी- निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

1. प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक राज. जयपुर
2. मैसर्स हिन्दुस्तान जिंक लिमी. दरीबा राजसमन्द

उप वन संरक्षक

वन्यजीव राजसमन्द



RajKaj Ref
6771236



Signature valid

Digitally signed by Sudarshan Sharma
Designation Deputy Conservator Of
Forest
Date: 2024.04.24 18:34:42 IST
Reason: Approved

Safety Status Report (SSR)

(Nucleonic Gauge Facility)

This status report should be submitted by the authorized user of the nucleonic devices through eLORA system in the **first week of January & July** every year, as per the terms and conditions of the authorization issued under the Atomic Energy (Radiation Protection) Rules, 2004.

Name of Institution:

Sindesar Khurd Mines (RJ-35620)

e-LORA Institution Number

RJ-35620

SSR Reporting period

Jan-2024

Inventory of the Nucleonic Gauges/Sources

1. Total number of Nucleonic Gauge (NG) devices/sources in possession of your institution:

32

2. Total number of NG devices/sources not in use:

0

3. Total number of NG devices/sources which are disused and to be disposed off :

0

4. Steps being taken to dispose of disused sources, if any:

NA

Radiation protection, surveillance and physical security (tick the appropriate)

5. Whether periodic radiation protection survey performed for all NG devices/sources and records are maintained?

Yes / No

6. Whether Personal monitoring services availed for radiation workers (as applicable)

Yes / No / NA

7. Whether adequate physical security measures provided for NG devices/sources?

Yes / No

8. Whether Radiation symbol and warning, in English, Hindi and regional language displayed on source housing and at the fencing/at the access point of NG Devices?

Yes / No

9. Emergency procedures with contact details of responsible person displayed at appropriate location in the institution?

Yes / No

10. Whether the representatives of AERB inspected the Nucleonic Device installations?

Yes / No

11. If yes, dates of inspection

NA

12. Any other information:


OF NUCLEONIC GAUGES

	Make & Model of nucleonic devices	Number of nucleonic devices	Serial number of nucleonic device	Source & Activity	Location/Plant name	* Stray Radiation Level from External housing of device ($\mu\text{Sv/hr}$ or mR/hr)		Reference No. of NOC issued by AERB/BARC	Present status of the device (In use/ To be installed/ To be disposed off)
						5 cm	100 cm		
1	Berthold LB491	1	463-02-10	Cs137 & 15mCi	U/F HYDROFILL	1.95	0.13	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
2	Berthold LB491	1	464-02-10	Cs137 & 15mCi	U/F HYDROFILL	1.89	0.19	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
3	Berthold LB491	1	465-02-10	Cs137 & 15mCi	REGRIND CYCLONE FEED	1.72	0.29	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
4	Berthold LB491	1	466-02-10	Cs137 & 10mCi	PR-SEC CYCLONE STR-1	1.61	0.18	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
5	Berthold LB491	1	467-02-10	Cs137 & 10mCi	PR-SEC CYCLONE STR-2	1.25	0.21	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
6	Berthold LB491	1	468-02-10	Cs137 & 10mCi	TDPH	1.19	0.15	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
7	Berthold LB491	1	469-02-10	Cs137 & 10mCi	TDPH	1.1	1.18	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
8	Berthold LB491	1	470-02-10	Cs137 & 10mCi	TDPH	1.47	1.25	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
9	Berthold LB491	1	471-02-10	Cs137 & 10mCi	TAILING THICKENER	1.31	0.21	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
10	Berthold LB491	1	472-02-10	Cs137 & 6mCi	Zn THICKENER	1.61	0.35	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
11	Berthold LB491	1	473-02-10	Cs137 & 20mCi	Pb THICKENER	2.21	0.41	AERB/RSD/NG/NR435/2010/26 41 Dt 22/03/2010	in Use
12	Berthold LB491	1	1017-06-10	Cs137 & 10mCi	TAILING THICKENER	1.85	0.38	AERB/RSD/NG/NR435/2011/20 67 Dt.15/02/2011	in Use
13	E&H FQG31	1	TB616	Cs137 & 200mCi	Shaft Orebin High	2.15	0.43	AERB/RSD/NG/NR435/2010/99 83 Dt.14/10/2010	in Use
14	E&H FQG31	1	TB617	Cs137 & 200mCi	PCH HIGH LEVEL	1.91	0.75	AERB/RSD/NG/NR435/2010/99 83 Dt.14/10/2010	in Use
15	Berthold LB491	1	1372-08-12	Cs137 & 20mCi	CYCLONE FEED HYDROFILL	1.65	0.41	AERB/RSD/NG/NR435/2012/10 504 Dt.23/08/2012	in Use
16	Berthold LB491	1	1373-08-12	Cs137 & 20mCi	CYCLONE FEED HYDROFILL	1.83	0.26	AERB/RSD/NG/NR435/2012/10 504 Dt.23/08/2012	in Use
17	Berthold LB491	1	1374-08-12	Cs137 & 10mCi	HYDROFILL Mixing Tank U/f 1	1.73	0.71	AERB/RSD/NG/NR435/2012/10 504 Dt.23/08/2012	in Use
18	Berthold LB491	1	1375-08-12	Cs137 & 10mCi	HYDROFILL Mixing Tank U/f 2	1.67	0.44	AERB/RSD/NG/NR435/2012/10 504 Dt.23/08/2012	in Use
19	Berthold LB491	1	1514-08-13	Cs137 & 50mCi	PASTE FILL- TAILING THICKNER	2.95	0.35	AERB/RSD/NG/NR435/2013/11 772 Dt.02/09/2013	in Use
20	Berthold LB491	1	1515-08-13	Cs137 & 50mCi	PASTE FILL- TAILING THICKNER	2.65	0.34	AERB/RSD/NG/NR435/2013/11 772 Dt.02/09/2013	in Use
21	Berthold LB491	1	1516-08-13	Cs137 & 20mCi	PASTE FILL-1	1.36	0.17	AERB/RSD/NG/NR435/2013/11 772 Dt.02/09/2013	in Use
22	Berthold LB491	1	1599-09-13	Cs137 & 20mCi	PASTE FILL-1	1.37	0.13	AERB/RSD/NG/NR435/2013/12 841 Dt.24/09/2013	in Use
23	FQG60	1	LB000D01145	Cs137 & 5mCi	REGRIND CYCLONE FEED	0.13	0.04	16-NGPROC-128695	in Use
24	FQG60	1	LB000C01145	Cs137 & 1mCi	ZN THICKENER ST-2	4.72	0.63	16-NGPROC-128694	in Use
25	FQG60	1	LB000901145	Cs137 & 3mCi	TAILING THICKENER ST-2	2.63	0.85	16-NGPROC-128693	in Use
26	FQG61	1	LB004B0113F	Cs137 & 30mCi	LEAD THICKENER ST-2	2.18	0.51	16-NGPROC-128687	in Use
27	FQG61	1	LB004A0113F	Cs137 & 10mCi	TAILING BATTERY 1	1.41	0.15	16-NGPROC-128693	in Use
28	FQG60	1	LB000D01145	Cs137 & 2mCi	TAILING BATTERY 2	1.88	0.23	16-NGPROC-128692	in Use
29	FQG60	1	LB000D01145	Cs137 & 2mCi	TAILING BATTERY 3	3.25	0.13	16-NGPROC-128691	in Use
30	FQG60	1	LB000801145	Cs137 & 2mCi	PASTEFILL BATTERY -1	3.78	0.69	16-NGPROC-128690	in Use
31	FQG60	1	LB000A01145	Cs137 & 3mCi	PASTEFILL BATTERY -2	4.21	0.53	16-NGPROC-128688	in Use
32	FQG60	1	LB000B01145	Cs137 & 3mCi	GRINDING CYCLONE FEED	1.59	0.36	16-NGPROC-128689	in Use


Declaration:

I hereby certify that the above particulars are true to the best of my knowledge and belief and are in complete conformity with the applicable terms and conditions of authorization and that the sources in our possession have been physically verified by me and found satisfactory from radiation safety point of view.

Radiation Safety Officer

Signature: 
Name: A. RAJASEKAR
Date: 22/01/2024

Employer/Licensee

Signature: 
Name: ANSHUL KUMAR KHANDLWAL
Date: 22/01/2024

(Seal of the Institution)

Unit Head
Sindesar Khurd Mine
Hindustan Zinc Limited
P.O. Dariba-313211
Dist. Rajsamand (Raj.)



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Hindustan Zinc Limited		
Project Address:	M/s Hindustan Zinc Limited		
Village:	Sindesarkhurd	Block:	Railmagra
District:	Rajsamand	State:	Rajasthan
Pin Code:			
Communication Address:	Sindesar Khurd Mine, Hindustan Zinc Limited, Po Dariba, Tehsil Railmagra, Railmagra, Rajsamand, Rajasthan - 313211		
Address of CGWB Regional Office :	Central Ground Water Board Western Region, 6-a, Jhalana Doongri, Jaipur, Rajasthan - 302004		

1.	NOC No.:		CGWA/NOC/MIN/REN/2/2024/9055				2.	Date of Issuance		07/02/2024					
3.	Application No.:		21-4/308/RJ/MIN/2008				4.	Category: (GWRE 2023)		Over Exploited					
5.	Project Status:		Existing Ground Water				6.	NOC Type:		Renewal					
7.	Valid from:		24/09/2022				8.	Valid up to:		23/09/2024					
9.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering				Total				
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
0.00		0.00						231.15		84369.75					
10.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:3							Total Proposed No.:0								
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Dewatering Structure*			0	0	0	0	0	3	0	0	0	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
11.	Ground Water Abstraction/Restoration Charges paid (Rs.):								1063251.00						
12.	Environment Compensation (if applicable) paid (Rs.):								0.00						
13.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.						No. of Piezometers		Monitoring Mechanism						
								Manual	DWLR**	DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						1		0	1	0					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

CENTRAL GROUND WATER AUTHORITY

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

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Website: cgwa-noc.gov.in

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SAVE WATER - SAVE LIFE

Receipt

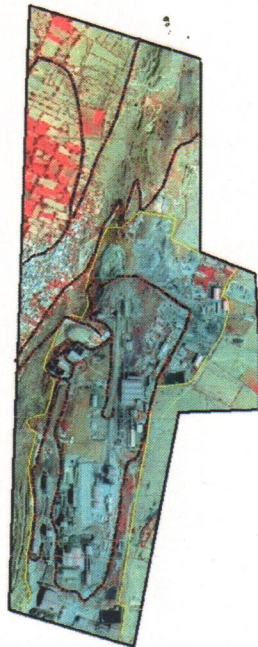
(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)
<https://cgwa-noc.gov.in>

Application No.:	21-4/308/RJ/MIN/2008	Date of Issuance:	07/02/2024
Name of Firm:	M/S HINDUSTAN ZINC LIMITED		
AppType Category:	Base Metal Ores		
Application Type:	Mining		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	5000.00
2.	Ground Water Abstraction /Restoration charges	1063251.00
3.	Environmental Compensation Charges (ECRGW) (Date From to) Days-	
4.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
Rs. Rupees Ten Lakh Sixty Eight Thousand Two Hundred Fifty One Only		1068251.00

This is an system generated invoice, hence, does not require ink signed.

Land use mapping by digital processing of Sindesar Khurd mining lease using remote sensing techniques



Sponsor: Hindustan Zinc Limited, Sindesar Khurd Mine

Studied by:



Estb: 1988

Studied for:



Hydro-Geosurvey Consultants Private Limited



CERTIFICATE NO.: NABET/GWCO/IA/GW003

C-103, Shastri Nagar, Jodhpur- 342003

Phone: - 0291-2431754

Web: www.hydrogeosurvey.com, E-mail: - hydro.geosurvey@yahoo.com

June, 2021

**Hindustan Zinc Limited
Sindesar Khurd Mine
Dariba, Dist. Rajsamand, Rajasthan**



Water sprinkling on haul road



Water sprinkling on haul road in underground



Auto dust suppression system at crusher



Mechanized vacuum road sweeper



Roadside plantation




Sample ID No.: SCS/W/20240510/35	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/35	Date of Report: 20.05.2024

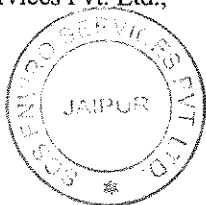
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -1 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.21	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	396.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	439.9 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	488.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,845.0 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	8.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,853.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	519.7 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.10 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.10 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	51.52 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.




Sample ID No.: SCS/W/20240510/36	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/36	Date of Report: 20.05.2024

TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -2 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.44	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	196.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	71.98 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	120.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	689.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	6.00 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	695.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	135.71 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.10 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.03 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	9.72 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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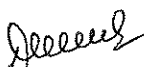
Sample ID No.: SCS/W/20240510/37	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/37	Date of Report: 20.05.2024

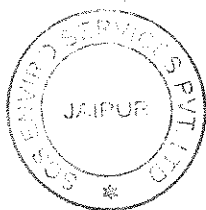
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -3 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.48	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	296.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	363.8 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	512.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,738.0 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	6.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,744.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	359.2 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.23 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.10 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	35.96 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240510/38	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/38	Date of Report: 20.05.2024

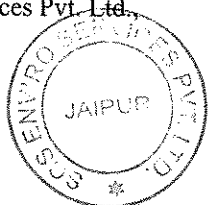
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -4 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.22	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	540.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	419.8 Mg / L	APHA (24 th Edition) 4500 Cl- B
Total Hardness as CaCO ₃	480.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,903.0 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	9.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,912.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	358.1 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.20 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.10 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	33.05 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY


Sample ID No.: SCS/W/20240510/39	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/39	Date of Report: 20.05.2024

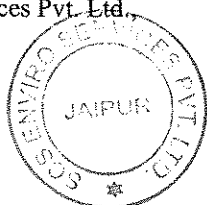
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -5 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.21	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	448.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	317.9 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	352.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,760.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	14.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,774.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	308.5 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.13 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.10 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	41.80 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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TC-13363

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

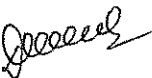
Sample ID No.: SCS/W/20240510/40	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/W/20240510/40	Date of Report: 20.05.2024

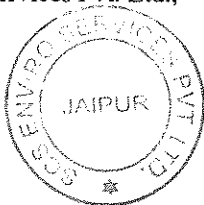
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 11.05.2024
Date of start of testing : 13.05.2024
Date of end of testing : 20.05.2024
Details of Sample : Piezometer -6 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.27	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	500.0 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	437.8 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	596.0 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,826.0 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	20.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,846.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	453.6 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.20 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.12 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	58.32 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.




Sample ID No.: SCS/W/20240816/73	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/73	Date of Report: 30.08.2024

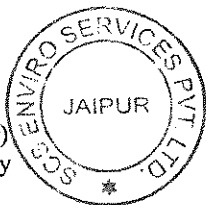
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 18.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -I Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.47	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	180.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	415.87 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	460.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,456.0 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	11.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,467.0 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	337.32 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.07 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.08 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	44.71 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/W/20240816/74	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/74	Date of Report: 30.08.2024

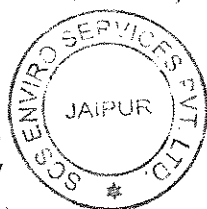
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -2 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.38	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	160.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	221.93 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	248.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	784.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	9.00 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	793.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	146.55 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.06 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.05 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	35.96 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/W/20240816/75	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/75	Date of Report: 30.08.2024

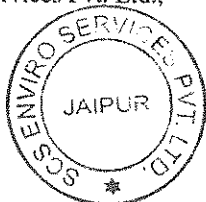
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -3 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.62	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	132.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	65.98 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	72.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	365.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	5.00 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	370.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	37.96 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.07 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.02 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	5.83 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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Sample ID No.: SCS/W/20240816/76	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/76	Date of Report: 30.08.2024

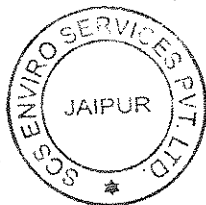
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -4 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.62	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	140.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	59.98 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	200.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	347.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	10.0 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	357.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	36.84 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.06 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.03 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	19.44 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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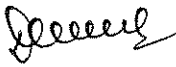
Sample ID No.: SCS/W/20240816/77	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/77	Date of Report: 30.08.2024

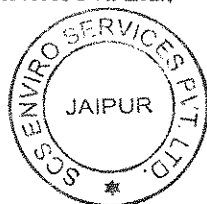
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -5 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.34	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	212.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	259.92 Mg / L	APHA (24 th Edition) 4500 Cl- B
Total Hardness as CaCO ₃	324.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	924.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	12.00 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	936.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	146.63 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.05 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.04 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	30.13 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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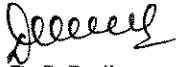
Sample ID No.: SCS/W/20240816/78	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/W/20240816/78	Date of Report: 30.08.2024

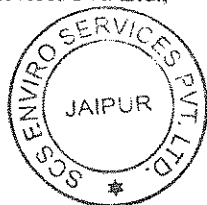
TEST REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Sampling : 17.08.2024
Date of start of testing : 20.08.2024
Date of end of testing : 30.08.2024
Details of Sample : Piezometer -6 Water
Sample submitted by : SCS Representative

Parameter	Results	Protocol
pH	7.39	APHA (24 th Edition) 4500 H
Total Alkalinity as CaCO ₃	280.00 Mg / L	APHA (24 th Edition) 2320
Chloride as Cl	289.91 Mg / L	APHA (24 th Edition) 4500 Cl ⁻ B
Total Hardness as CaCO ₃	432.00 Mg / L	APHA (24 th Edition) 2340 C
Total Dissolved Solids	1,255.00 Mg / L	APHA (24 th Edition) 2540 C
Total Suspended Solids	10.00 Mg / L	APHA (24 th Edition) 2540 D
Total Solids	1,265.00 Mg / L	APHA (24 th Edition) 2540 B
Sulphate as SO ₄	262.48 Mg / L	APHA (24 th Edition) 4500 E
Lead as Pb	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Zinc as Zn	0.12 Mg / L	APHA (24 th Edition) 3111B
Iron as Fe	0.06 Mg / L	APHA (24 th Edition) 3111B
Copper as Cu	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cadmium as Cd	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cyanide as CN	< 0.02 Mg / L	APHA (24 th Edition) 4500 CN-C&E
Nickel as Ni	< 0.01 Mg / L	APHA (24 th Edition) 3111B
Cobalt as Co	< 0.05 Mg / L	APHA (24 th Edition) 3500 Co
Magnesium as Mg	43.74 Mg / L	APHA (24 th Edition) 3500 B
Arsenic as As	< 0.002 Mg / L	APHA (24 th Edition) 3114 B
Mercury as Hg	< 0.001 Mg / L	APHA (24 th Edition) 3112 B

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/17	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/17	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 13.04.2024
Date of end of testing : 14.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise

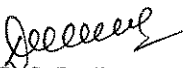
Results

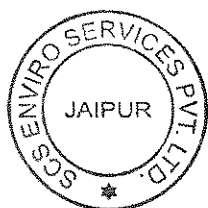
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	71.8	60.3

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,


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(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/18	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/18	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 13.04.2024
Date of end of testing : 14.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise

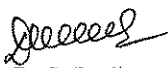
Results

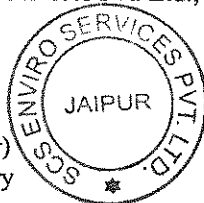
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	55.2	49.3

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/19	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/19	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 13.04.2024
Date of end of testing : 14.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Sindesar Khurd Village Area
Parameter required : Ambient Noise

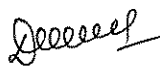
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	67.0	52.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/20	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/20	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 13.04.2024
Date of start of testing : 13.04.2024
Date of end of testing : 14.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise

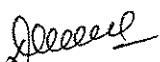
Results

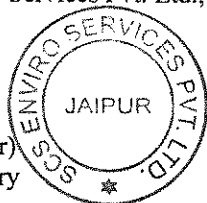
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.5	43.9

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/21	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/21	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.04.2024
Date of start of testing : 15.04.2024
Date of end of testing : 16.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise


Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	57.3	47.1

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240413/22	Date of Registration: 13.04.2024
Report No. SCS/HZL-SKM/AN/20240413/22	Date of Report: 25.04.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.04.2024
Date of start of testing : 15.04.2024
Date of end of testing : 16.04.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise

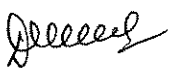
Results

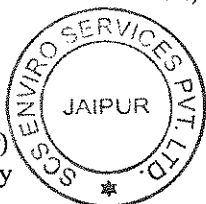
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.1	44.9

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/12	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/12	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 10.05.2024
Date of end of testing : 11.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise

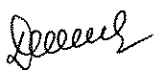
Results

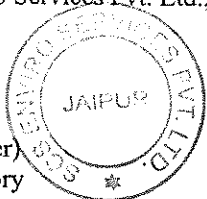
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	70.3	61.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/13	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/13	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 10.05.2024
Date of end of testing : 11.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise


Results

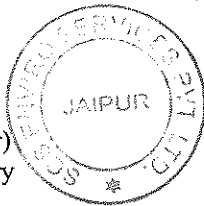
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	60.9	51.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/14	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/14	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 10.05.2024
Date of end of testing : 11.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Sindesar Khurd Village Area
Parameter required : Ambient Noise

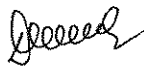
Results

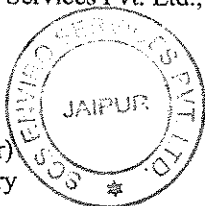
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	63.7	47.5

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/15	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/15	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 10.05.2024
Date of start of testing : 10.05.2024
Date of end of testing : 11.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise


Results

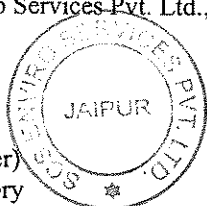
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.4	43.1

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/16	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/16	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 11.05.2024
Date of end of testing : 12.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise

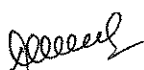
Results

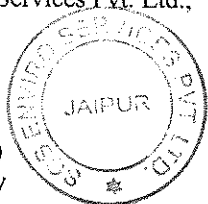
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	59.6	50.7

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240510/17	Date of Registration: 10.05.2024
Report No. SCS/HZL-SKM/AN/20240510/17	Date of Report: 20.05.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 11.05.2024
Date of start of testing : 11.05.2024
Date of end of testing : 12.05.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise

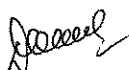
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.7	44.8

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/26	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/26	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 19.06.2024
Date of end of testing : 20.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise

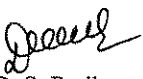
Results

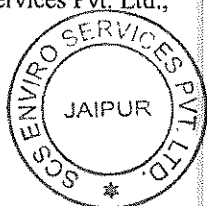
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.4	62.5

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/27	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/27	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 19.06.2024
Date of end of testing : 20.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise


Results

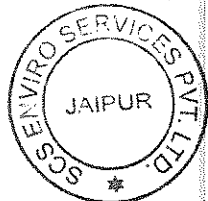
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.7	51.6

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/28	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/28	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 19.06.2024
Date of end of testing : 20.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Sindesar Khurd Village Area
Parameter required : Ambient Noise

Results

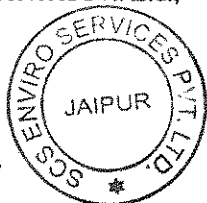
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	73.6	48.2

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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Dr. D. S. Parihar
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Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/29	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/29	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 19.06.2024
Date of start of testing : 19.06.2024
Date of end of testing : 20.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise

Results

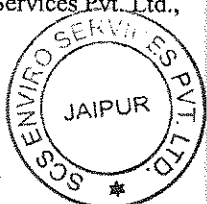
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.9	44.2

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/30	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/30	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 20.06.2024
Date of start of testing : 20.06.2024
Date of end of testing : 21.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise

Results

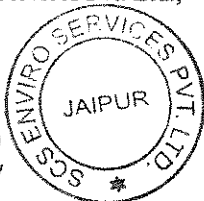
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	63.7	49.6

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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Dr. D. S. Parihar
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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240619/31	Date of Registration: 19.06.2024
Report No. SCS/HZL-SKM/AN/20240619/31	Date of Report: 29.06.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 20.06.2024
Date of start of testing : 20.06.2024
Date of end of testing : 21.06.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise


Results

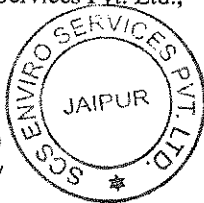
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	57.5	46.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/44	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/44	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 15.07.2024
Date of end of testing : 16.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise


Results

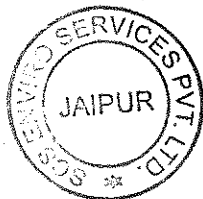
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.1	58.6

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/45	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/45	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 15.07.2024
Date of end of testing : 16.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise


Results

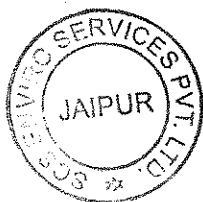
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	57.8	50.5

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/46	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/46	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 15.07.2024
Date of end of testing : 16.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Sindesar Khurd Village Area
Parameter required : Ambient Noise

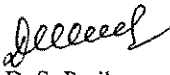
Results

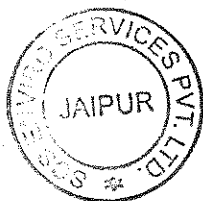
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	70.4	53.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/47	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/47	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 15.07.2024
Date of start of testing : 15.07.2024
Date of end of testing : 16.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise

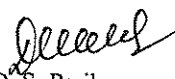
Results

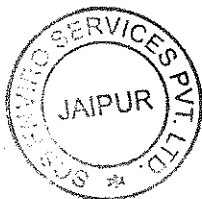
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.8	42.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/48	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/48	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 16.07.2024
Date of end of testing : 17.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise


Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	60.2	51.1

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

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(Technical Manager)
Authorised Signatory



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7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240715/49	Date of Registration: 15.07.2024
Report No. SCS/HZL-SKM/AN/20240715/49	Date of Report: 25.07.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.07.2024
Date of start of testing : 16.07.2024
Date of end of testing : 17.07.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise

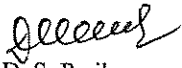
Results

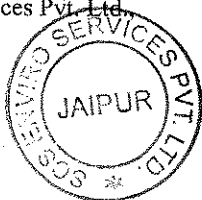
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	58.5	44.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/50	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/50	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 16.08.2024
Date of end of testing : 17.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise

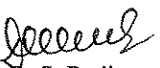
Results

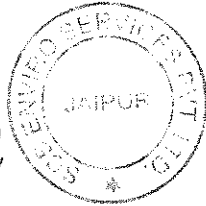
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	69.5	60.7

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/51	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/51	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 16.08.2024
Date of end of testing : 17.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise

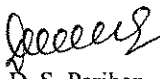
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	54.9	50.6

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/52	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/52	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 16.08.2024
Date of end of testing : 17.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Sindesar Khurd Village Area
Parameter required : Ambient Noise


Results

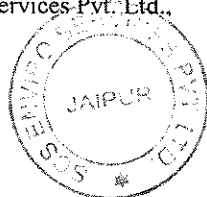
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	71.5	53.9

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/53	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/53	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited. SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 16.08.2024
Date of start of testing : 16.08.2024
Date of end of testing : 17.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise

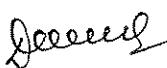
Results

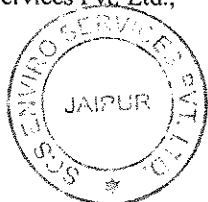
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	53.8	46.7

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/54	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/54	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 17.08.2024
Date of start of testing : 17.08.2024
Date of end of testing : 18.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise

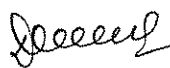
Results

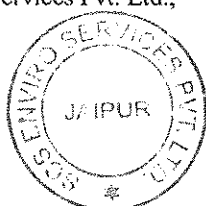
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	57.8	48.9

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240816/55	Date of Registration: 16.08.2024
Report No. SCS/HZL-SKM/AN/20240816/55	Date of Report: 30.08.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 17.08.2024
Date of start of testing : 17.08.2024
Date of end of testing : 18.08.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise

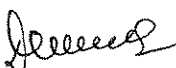
Results

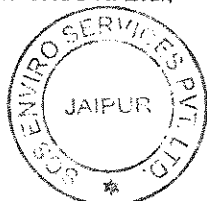
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	59.1	45.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240921/19	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AN/20240921/19	Date of Report: 03.10.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 21.09.2024
Date of end of testing : 22.09.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Encline Area
Parameter required : Ambient Noise

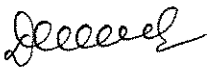
Results

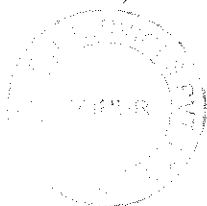
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	68.5	60.3

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240921/20	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AN/20240921/20	Date of Report: 03.10.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 21.09.2024
Date of end of testing : 22.09.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Mine Boundary in NW Direction Area
Parameter required : Ambient Noise

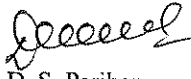
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	59.1	52.0

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240921/22	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AN/20240921/22	Date of Report: 03.10.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 21.09.2024
Date of end of testing : 22.09.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Bamania Kalan Area
Parameter required : Ambient Noise

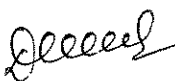
Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	53.2	43.5

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
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JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240921/23	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AN/20240921/23	Date of Report: 03.10.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 21.09.2024
Date of end of testing : 22.09.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Tailing Dam Pump House Area
Parameter required : Ambient Noise


Results

Parameter	Results dB (A)	
	Day Time	Night Time
Leq	57.5	49.4

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.: U74140RJ2013PTC042216

ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

Sample ID No.: SCS/AN/20240921/24	Date of Registration: 21.09.2024
Report No. SCS/HZL-SKM/AN/20240921/24	Date of Report: 03.10.2024

AMBIENT NOISE MONITORING REPORT

Name of Client : M/s. Hindustan Zinc Limited, SK Mines,
Address of Client : P. O.: Dariba - 313211, Distt. Rajsamand, Rajasthan
Date of Monitoring : 21.09.2024
Date of start of testing : 21.09.2024
Date of end of testing : 22.09.2024
Duration of sampling : 24 Hrs.
Type of Industry : Mining of Non-Ferrous Metals
Name of Location : Near Rajpura Village
Parameter required : Ambient Noise

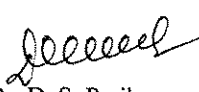
Results

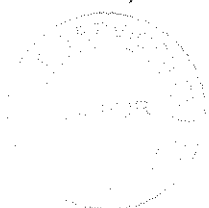
Parameter	Results dB (A)	
	Day Time	Night Time
Leq	55.8	44.3

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

1. Day time if from 6.00am to 10 pm
2. Night time if from 10.00 pm to 6 am
3. Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

WATER AUGMENTATION PROJECT AT RDC





Before
Rejuvenation

After
Rejuvenation



HZC's efforts to address the issue of Water paucity same and to take a step ahead towards making Water Positive villages in nearby operational areas of RDC, we propose to take up Water Augmentation project at RDC. The proposed work taken in a project manner for will help in making villages water self-sufficient

MAKHANPURIYA WATER AUGMENTATION PROJECT





Pre-monsoon picture

Post-monsoon picture

Pond deepening work at Makhanpuriya (Kabra Panchayat). Will support in recharging of open wells/tube wells in the area and cater to water requirements of 420+ population and 450+ livestock

ANJANA WATER AUGMENTATION PROJECT



Before pond deepening

Pre-monsoon picture

Post-monsoon picture

Pond deepening work at Anjana (Gawardi Panchayat). Will support in recharging of open wells/tube wells in the area and cater to water requirements of 1700+ population and 1100+ livestock

**Hindustan Zinc Limited
Sindesar Khurd Mine
Dariba, Dist. Rajsamand, Rajasthan**

Rainwater Harvesting through pond deepening of nearby Villages.



CSR Highlights-April 24 to September 24

1. All 4 Batches inaugurated at ZKK, with first ever sales and marketing batch being started.
2. Menstrual Hygiene training given by Uthori women on world menstrual hygiene day in presence of govt officials in sindesar kalan village. Uthori women also took session in Shiksha Sambal summer camps.
3. RDC participated in Khaanakhayakya movement with IBU CEO Mr. Balwant Singh Rathore and CSO Mr. Keshav Kumar visiting nandghar and interacting with children.
4. Support provided to district level health camp in Rajsamand where 400+ patients were checked.
5. Stall established displaying CSR projects of HZL for investor and analyst visit at RDC.
6. Sanitation drive with engagement of senior leadership, plantation at RO hubs and visit of summer camp students to Miyawaki plantation for understanding the importance of afforestation and poster making competition in summer camp done on Environment Day.
7. Summer camp completed in DAV school, RDC and Bamaniya Kala govt. school benefitting 197 students from 10 schools of nearby villages with volunteer count reaching 51 from employees, NGO partner and community.
8. 1st ever batch of Lantana biomass weighing more than 10 tons delivered at DSC by Rajpura Dariba FPO.
9. TACO at RDC – 11 volunteers came forward for Parindey painting event with Summer camp students, The parindeys were later distributed at partner offices placement in bird friendly places.
10. As part of Swatchta Pakwada – Sanitation drive in 85 govt institutions, Railmagra govt college by dustbin placement for waste management and 35 awareness discussions “Swatchta par Charcha” was organized covering more than 12000 beneficiaries.
11. 14 Community infra works including 3 school building renovation, 4 community center, 2 road works, 1 cremation shed, 1 community shed, 1 volleyball court and running track, 1 community bathroom and 1 pond deepening works have been completed.
12. Sports support provided to 9 tournaments covering 1300 beneficiaries.
13. Blood donation camp organized at Zinc Kaushal Kendra Railmagra in partnership with Saral Blood Bank Udaipur, 93 units of Blood collected.
14. 4 students from RDC selected for flagship CSR project Unchi Udaan – a 4 year residential program to prepare the students for Engineering entrance exams.
15. 11 girls from RDC selected for higher education at Vedanta PG college for girls.
16. RDC supported Har Ghar Tirange initiative on Independence Day covering more than 14000 beneficiaries by distributing national flags to the families.
17. Zinc Kaushal Kendra received recognition on Independence Day at block level for skilling and employment of youth.
18. 92 Trainees of Zinc Kaushal Kendra from GDA, USG, AE and RSE placed in esteemed organizations with average salary of more than 18500 INR.

REGISTERED AD

HZL/SKM/ENV/2024/EC Comp/68

25.05.2024

To,
The Deputy Director(s) / Scientist -C,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office, Jaipur,
A-209 & 218, Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, Jaipur (Raj.) – 304002.

Sub.: Half yearly EC compliance report of Sindesar Khurd Mine for the period of October 2023 to March 2024

Ref.: Environmental Clearance vide no. J-11015/7/2017-IA.II (M) dated 31.05.2018

Sir,

With reference to aforesaid subject and cited references, it is to inform that we are herewith submitting six monthly Compliance report for the conditions stipulated in the Environment Clearances of Sindesar Khurd Mine for the period from **October 2023 to March 2024**.


The copy of above compliance report is also being sent in soft format through email to (roc.z.lko-mef@gov.in; m_env@rediffmail.com) for your kind perusal. Also copy of Sindesar Khurd Mine EC Compliance has been uploaded on company website <https://www.hzindia.com/sustainability/environment-compliance/>

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor to further improve our Environmental Management Practices.

Hope the above is in line with statutory requirements.

Thanking you,

Yours faithfully,


Anshul Kumar Khandelwal
Unit Head & Authorized Signatory
Sindesar Khurd Mines, HZL


21/5/24

Copy to:

1. In-charge, (Zonal Office),
Central Pollution Control Board,
Parivesh Bhawan, Paryavaran Parisar,
E-5, Arera Colony, Bhopal (MP)-462016.
2. The Member Secretary,
Rajasthan State Pollution Control Board,
4th, Institutional Area, Jhalana Doongari,
Jaipur (Raj.) – 302004
3. Regional Officer,
Rajasthan State Pollution Control Board,
Old Building of District Excise Office,
Kalalwati, Rajnagar,
Rajsamand (Raj.)-313324.

✓ 4. Office Copy

राजसमंद. नाथद्वारा

कांकरोली • चोईदा • राजनगर

दैनिक भास्कर

उदयपुर, बुधवार 06 जून, 2018

रेलमगरा • छमनोर • देलवाड़ा

(भतीजी, भतीजा)

आरोपी।

कर सजा दिलवाई।

ना : चारभुजा थाना क्षेत्र की 14 वर्षीय नाबालिग झा निवासी नारायणसिंह न प्रियंका 29 जनवरी फुसला कर घूमने जाने ले गए। तीनों ही लांबोडी नाथ लेकर देपुर नाथद्वारा भगवान के मंदिर गए, जहां या। उसके बाद चारों ही ठ के दर्शन करने गए। जहां वीलाल नें दुष्कर्म करने के तौर उसकी बहन चली गई। ता वापस देवनारायण मंदिर वीलाल ने दुष्कर्म किया। इन देवीलाल पीड़िता को त्या और नारायणसिंह के र किया।



हिन्दुस्तान जिंक लिमिटेड

रजि. ऑफिस: गणेश भवन, उदयपुर-313 004
PBX No. 0294-6604000, CIN-L27204RJ1966PLC001208, www.hzindia.com

सिन्देसर खुर्द लेड-जिंक खनन परियोजना

ग्राम सिन्देसर खुर्द, तहसील रेलमगरा, जिला राजसमन्द (राज.)

पर्यावरण स्वीकृति प्राप्ति सूचना बाबत

सर्वसाधारण को सूचित किया जाता है कि भारत सरकार के वन एवं पर्यावरण मंत्रालय, नई दिल्ली के पत्र क्रमांक J-11015/7/2017-IA.II(M), दिनांक 31.05.2018 के द्वारा हिन्दुस्तान जिंक लिमिटेड की सिन्देसर खुर्द खदान (एम.एल.नं 07/95, खनन पट्टा क्षेत्र 199.84 हेक्टेयर) की वर्तमान उत्पादन क्षमता 45 लाख मेट्रिक टन प्रतिवर्ष लेड-जिंक खनिज अयस्क उत्पादन से बढ़ाकर 60 लाख मेट्रिक टन प्रतिवर्ष लेड-जिंक प्रतिवर्ष खनिज अयस्क उत्पादन एवम लेड-जिंक अयस्क सज्जीकरण 50 लाख मेट्रिक टन प्रतिवर्ष से बढ़ाकर 65 लाख मेट्रिक टन प्रतिवर्ष हेतु पर्यावरण स्वीकृति प्रदान कर दी गई है।

इसकी प्रति राजस्थान राज्य प्रदूषण नियंत्रण मंडल, जयपुर कार्यालय में उपलब्ध है। साथ ही वन एवम पर्यावरण मंत्रालय, नई दिल्ली की वेबसाइट <http://envfor.nic.in> पर भी उपलब्ध है।

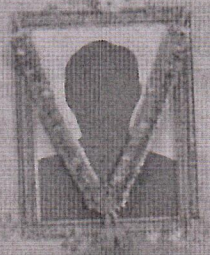
राजीव बोरा

युनिट हेड

सिन्देसर खुर्द, माईन्स

दैनिक भास्कर

अपनों को अर्पित कीजिए
शब्दों के श्रद्धा मुमन



राजसमन्द-9672912813

देवगढ़-9783627200

रेलमगरा-941492

सम्प

नाथद्वारा

कुम्भलगढ़

रेलमगरा-941492

HEAD, DEVA

1009444, 8504068122

राजस्थान पत्रिका, उदयपुर, बुधवार, 06.06.2018

rajasthanpatrika.com

राजस्थान पत्रिका . उदयपुर . बुधवार . 06.06.2018



हिन्दुस्तान जिंक लिमिटेड

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राजीव बोरा

युनिट हेड

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