

Registered AD

Ref: HZL/ Maton /MoEF/2025-26/ 38

Date: 27.05.2026

To,

The Deputy Director (S)/ Scientist- C,
Ministry of Environment, Forests & Climate Change
Government of India,
Integrated Regional Office,
A- 209 & 218, Aranya Bhawan, Jhalana Institutional Area,
Jaipur (Rajasthan) – 302004.

Sub: Six Monthly Compliance Report of EC for Oct'25 to March'26.

Ref: Environment Clearance vide No. J-11015/169/2009-IA.II (M) dated 17.03.2010.

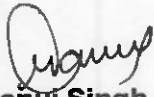
Sir,

Please find enclosed Compliance Status Report of the conditions of Environmental Clearance for the period of **Oct'25 to March'26.**

Thanking you.

Yours Sincerely,

For Maton Rock Phosphate Mine



Manuj Singh
(Mine Manager)

- CC to :
1. Scientist 'D' & In-Charge (Zonal Office), Central Pollution Control Board, Zonal Office (Central), 3rd Floor, Sahkar Bhawan, North T.T. Nagar, BHOPAL-(MP)-462 003
 2. Member Secretary, Rajasthan Pollution Control Board, 4 - Institutional Area, Jhalana Dungri, JAIPUR (RAJ.) - 305001.
 3. The Regional Office, Rajasthan State Pollution Control Board, F-470, Near UCCI Building, Mewar Industrial Area, Udaipur (Raj.) -313001.
 4. Office Copy (Env. Cell)

Six Monthly Compliance Report of Environmental Clearance

Name of the Project : Maton Rock Phosphate Mining Project of M/s Hindustan Zinc Ltd.

Project Code :

Clearance Letter No.: J-11015/169/2009-IA.II(M) Dt. 17/03/2010

Period of Compliance Report: Oct 25 to March 26

Specific Conditions:

S.No.	Conditions	Compliance Status
i	Environmental clearance is granted subject to final outcome of Hon'ble supreme court of India in competent petition (c) No 412/2004 in IA No 833 in writ petition (c) no 202 in 1995, as may be applicable to this project.	The mine lease is not a part of the 261 mine leases covered in contempt petition No. 412/2004 in IA No. 833 in WP No. 202 in 1995 (Annexure 1).
ii	The environmental clearance is subject to approval of the State Land use Department, Government of Rajasthan for diversion of agricultural land for non-agricultural use.	The land was acquired under the LA Act, 1894 for mining purpose. As per the circular from GoR Dt. 1997, any land acquired under the said act for the stated purpose is deemed approved for the said purpose and need not again have to seek approval for diversion of land so acquired (Annexure 2A & 2B).
iii	The project proponent shall obtain Consent to Establish and Consent to Operate from Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	The consent to establish was granted by the RSPCB vide Letter No. F(Mines)/Udaipur (Girwa)/13(1)/2009-2010/8003-8007 Dt. 17.03.2011 The latest Consent to Operate, granted by RSPCB vide No. F(Mines)/Udaipur(Girwa)/1828(1)/2015-2016/973-977, Dt. 05/06/2020 is valid till 31/03/2023. Applied for renewal of CTO.
iv	The project proponent shall ensure that no natural watercourse and/or water resources are obstructed due to any mining operations. Adequate measures shall be taken for protection of the 1 st order and 2 nd order streams, if any emanating, passing through the mine lease during the course of mining operation.	No natural watercourse or water resources are obstructed due to mining operation as on date. During the future course of operation, if any natural water course is likely to be affected, suitable measures will be taken to ensure minimum obstruction to flow. Further, there are few 1 st order streams emanating from the mine lease area that have been protected.
v	The mine working will be restricted to above water table. For working below water table, a detailed hydro – geological study shall be carried out taking into account the mine water discharge, management of discharged water and prior approval of CGWA shall be obtained. The hydro- geological study report along with approval of CGWA will be submitted to the Ministry of Environment and Forests for reviewing	The mining operation is presently limited to above ground water level and as per IBM approved latest Scheme of Mining 2020-21 to 2024-25 it will not intersect the Ground Water Table. Detailed hydro-geological study has been conducted to assess the hydro-geology of the area. Present depth of mining is 573 mRL the ultimate depth of mine pit is envisaged upto 520mRL where as depth of ground water table is 523 mRL & 527 mRL during pre and post

S.No.	Conditions	Compliance Status
	the conditions of environment clearance and stipulation of additional conditions, if any, as may be required.	monsoon respectively. It is expected that on intersection of ground water table, the inflow to mine pit is estimated at 1.31 cum/day. Applications in advance have been filed before the CGWA for grant of NOC for groundwater intersection on 26.03.2010 (revised application submitted on 16.07.2014) and approval awaited (Annexure 3). On grant of NoC by CGWA, copy of the same will be submitted.
vi	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.	As typical of a Rock Phosphate reserves and the hilly terrain of the deposit, no top soil found in the project area. However, any top soil encountered during land disturbance for OB storage shall be conserved and used for reclamation and plantation.
vii	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 and their phase-wise stabilization shall be carried out. There shall be three external dump(s). The OB dump(s) 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. Dump stability study shall be carried out in next six months before attaining the ultimate dump height of 50 m. The study should be carried out one of the reputed organizations like CMFRI and report submitted to the Ministry of Environment and forest. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis	Overburden is being stacked at earmarked dump sites as shown in IBM approved Mining plan/ Scheme of Mining. Out of total activities approved in Scheme of Mining, some of mining activities have been temporarily suspended since 01.11.2015. For progressive reclamation plantation has been started on mature part of waste dump since FY 2015-16. Waste dump stabilization study has been conducted by CIMFR and the recommendations have been implemented.
viii	Catch drains and siltation ponds of appropriate size shall be constructed to arrest silt and sediment flows from mine working, soil, OB and mineral dumps to prevent run off of water and flow of sediments directly into the Ahar River, The Udaisagar pond, the Bagdara Talav and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after	W.r.t to collection & utilization of rain water falling on the project area, the active mine area is situated on the top of a hill and is progressing by bench formation through top slicing. The area of mine pit, which is below general ground level, is situated at toe of the hill towards south-west. Rainwater falling on active mining area is directly collected in the mine pit. Garland drain is constructed at strategic location to channelize runoff generated around pit area into mine pit/sump which is having adequate capacity to allow settling of silt. The surface runoff

S.No.	Conditions	Compliance Status
	monsoon and maintained properly.	generated from the undisturbed slopes (hangwall) is also diverted to mine pit through peripheral garland drains which prevents water to move out of ML area. The de-siltation of mine pit takes place along with mining schedule of deepening of mine.
	Garland drain, 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 runoff water and flow of sediments directly into the Ahar River, the Udaisagar pond, the Bagdara Talav 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 should be constructed at the corners of the garland drains and desilted at regular intervals.	The rainwater runoff is also generated on overburden dump (OB) site. The OB dump is situated in a natural valley and so far it's lower edges/ levels is situated below the top of valley level. Hence, it has not reached to it's maximum extent towards edges. Thus the runoff is diverted through natural slopes within valley into a siltation pond cum recharging pit measuring 150m x 60m x 1.5m, situated at the lowest point of dump. The accumulated silt of this pit is removed and stacked on OB dumps before commencement of every monsoon. In addition to above, a new approved dumping and its garland drain is under progress. In order to comply with the condition, HZL applied for obtaining NoC for construction of Anicuts on dt. 10.01.2011, but during discussion, officials referring WRD order dt. 26.07.2010, suggested HZL to opt for other means of recharge (copy of letter for NoC is enclosed as Annexure -4).
ix	Dimension of the retaining wall at the toe of over burden dump and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.	Since, the OB dump is situated in a natural valley and so far it's lower edges/ levels is situated below the top of valley level. Hence, it has not reached to it's maximum extent towards edges. Retainer wall is constructed at strategic location along with suitable garland drain to ensure all rain water collection into recharge pit. In addition to above, a new approved dumping and its retaining wall is under progress.
x	Plantation shall be raised in an area of 122.3 ha including a 7.5 m wide green belt in safety zone around the mining lease by planting the native species around over burden dumps, along the roads etc. in consultation with the local DFO / Agriculture Department. The density of the trees should be around 1500 plants per ha. Green belt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Out of mine lease area of 143.13 ha, only 114.44 ha. has been acquired along & an additional land of 80.25 ha acquired outside the mine lease. Plantation has been taken up in progressive manner to cover 33% area of the total land into green belt, including at least 7.5m wide greenbelt in the safety zone.. Till date about 76.000 saplings have been planted with survival rates of above 90%. Further, the progressive green belt development plan has been prepared considering further plantation over OB dumps on maturity and shall be implemented over the life of mine.
xi	Effective safe guard measures, such as regular water sprinkling should be carried	Wet drilling is practiced to control dust at source. Regular sprinkling of water on all

S.No.	Conditions	Compliance Status
	out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading, unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	haulage roads with mobile tankers is ensured to suppress fugitive dust. The crusher has inbuilt water mist sprinkler to suppress dust during operation. The material storage and handling area is periodically water sprinkled to suppress dust.
xii	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	A proposal for augmentation of Ground water resource has been submitted to CGWB/CGWA for compliance to CGWA guidelines and proposal is under approval. Additionally, so far site has neither intersected Ground Water Table nor abstracting ground water, hence no direct impact is envisaged on ground water.
xiii	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 installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Lucknow, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.	The mining operation is presently limited to above ground level and as per IBM approved latest Scheme of Mining (2020-21 to 2024-25) it will not intersect the Ground Water Table up to 31 March 2025.. Hence, there is no impact envisaged to ground water prior to that. A network of ground water locations are sampled around the mine lease area in the buffer zone and monitored every season and the report submitted to MoEF. A network of Piezometer well locations to monitor the impact on the ground water regime has been suggested by a reputed Hydrogeologist and the report submitted to CGWB/CGWA. As recommended, piezometers have been installed to monitor the impact on ground water level due to groundwater intersection and intersection will not take place up to 31 March, 2025.
xiv	Appropriate mitigation measures shall be taken to prevent pollution of the Ahar river in consultation with the State Pollution Control Board.	The surface drainage of the lease area does not connect to the Ahar River and hence no effluents or rainwater runoff from the operations shall impact the Ahar river. Copy of updated details submitted to RSPCB on action taken for prevention of pollution in Ahar river vide letter no. HZL/Maton/RSPCB/2015-16/65 dt. 18.09.2015 is also attached for reference as Annexure – 5.
xv	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water required for the	Presently water required for mining operation is sourced from the Mine pit/sump and domestic water is sourced through tankers from water suppliers. An application for withdrawal of

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	Company in public domain. The circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance	
xxvii	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval	The same shall be complied prior to closure.

General Conditions

S.No.	Conditions	Status
i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Complied. There is no change in mining technology.
ii	No change in the calendar plan including excavation, quantum of mineral Rockphospahte and waste should be made.	Calendar plan, as per approved mine plan, is being adhered to.
iii	At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀) & NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Five monitoring locations based on Meteorological data have been established in and around the mining lease area in the core and buffer zone. The AAQ is monitored every fortnightly for PM ₁₀ , PM _{2.5} , SO _x , NO _x and the results submitted to RSPCB and MoEF.
iv	Data on ambient air quality RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀) & NO _x should be regularly submitted to the Ministry including its Regional office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.	The AAQ monitoring results are submitted to MoEF every six monthly.
v	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Water sprinkling using mobile tankers is undertaken regularly to arrest fugitive emission.
vi	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.	All machines undergo periodic maintenance. All mine workers are provided with ear plugs with at least 25dB(A) noise reduction to ensure that the exposure to noise is always below 85dB(A). Work zone noise monitoring is carried out as defined.
vii	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 19 th May, 1993 and 31 st	There is no workshop in the lease area and hence no industrial effluent generated from the project site.

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	for the workshop and the wastewater generated during mining operation	city of Udaipur. No colony is constructed in mine area, as the employees commute from the nearby city of Udaipur and other villages around the mine lease. The only effluent generated due to office is treated through septic tanks and soak pits for disposal complying to discharge standards.
xxiii	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly	All permanent and contractor employees undergo pre-placement medical test and periodic medical test as per the DGMS rules.
xxiv	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	No construction labour is residing in the project area, as the project is located in the outskirts of Udaipur city and it has adequate infrastructure for housing and other amenities.
xxv	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora and fauna 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 Wild life Department. Necessary allocation of funds shall be included in the project cost. All the safeguard measures to the project site shall be effectively implemented copy of action plan shall be submitted to the Ministry of Environment and Forest and its Regional Office, Lucknow.	Based on the list of flora & fauna, authenticated by Deputy Conservator of Forest, Udaipur (North), GoR vide letter no. P()/Survey/UaVS/North/6094 dt.19.12.2009, there is no schedule –I fauna & endangered flora in the project area (copy enclosed as Annexure - 8). As stated above, mine is continuously carrying out plantation and has planted 76.000 saplings within project area. However, for fresh assessment of present status of flora & fauna in-line with suitable conservation plan, a study work was accorded to Green Future Foundation, New Delhi. GFF has completed the study.
xxvi	The critical parameters such as RSPM (Particulate matter with size less than 10µm i.e., PM10), NOX 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	The parameters of RSPM, NOx and SOx are periodically monitored In the core and buffer area and report submitted to RSPCB and MoEF periodically (copy of AAQ & Noise monitoring are enclosed as Annexure 9 & 10). Blasting was not carried out during reporting period. Surface and ground water samples are monitored every season (copy enclosed as Annexure - 11). The AAQ monitoring results are displayed on the board at the gate of the mines.

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	December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	
viii	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 aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	All workers are provided with dust mask to ensure protection against dust related occupational hazards. Periodic medical health check-up is carried out to monitor any dust related impacts.
ix	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.	A qualified environmental professional, reporting to the Mines manager & Unit Head, thus team ensures compliance to the environmental stipulations.
x	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 located at Lucknow	Complied. The environmental expenditure are: 2010-11 - Rs. 13,76,791/- 2011-12 - Rs. 11, 80,034/- 2012-13 - Rs. 56,80,534/- 2013-14 - Rs. 36,42,879/- 2014-15 - Rs. 30,16,703/- 2015-16 - Rs. 48,07,747/- 2016-17 - Rs. 31,41,428/- 2017-18 - Rs. 31,35,354/- 2018-19 - Rs. 39,07,310/- 2019-20 - Rs. 35,72,028/- 2020-21 - Rs. 39,10,056/- 2021-22- Rs. 30,80,259/- 2022-23 Rs. 39,84,830/- 2023-24 Rs. 18,21,192/- 2024-25 Rs. 30,56,514 2025-26 Rs. 26,58,519/-
xi	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Financial closure for the project was achieved in May 2010. The land development work started immediately and production of ore achieved since June 2010.
xii	The Regional Office of this Ministry located at Lucknow 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.	All necessary support shall be extended to the authorities.
Xiii	The project proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Lucknow, the respective Zonal Office of CPCB and the SPCB. The proponent shall upload	The report in hardcopy and emails are submitted to RO, MoEF., Hardcopy is sent to MoEFCC, CPCB and RSPCB. Six monthly reports arppe regularly submitted in hard copies, soft copy and by e-mail. Latest compliance report was sent on 08.05.2025.

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	project.	ground water through tube well is filed before CGWA 01.01.2010 (revised application submitted on 16.07.2014) and approval awaited (Annexure - 6). Copy of the same will be submitted on receiving of the same.
xvi	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board	A proposal for augmentation of Ground water resource has been submitted to CGWB/CGWA. In the mean time of processing our application, CGWA has revised it's guidelines. On advice of CGWB, Jaipur, HZL has submitted fresh application on 16.07.2014 to CGWA/CGWB in accordance with revised guidelines & designs for augmentation of ground water resources. Recharge measures will be implemented immediately on getting nod from CGWB/CGWA.
xvii	Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	All vehicles entering the mine premises are checked for PUC certificate. All vehicles used for mining operations undergo periodic maintenance and ensure controlled emissions. All mineral transportation is carried out by covered trucks only and not overloaded.
xviii	Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented	Controlled blasting is practiced and ground vibration is measured as per guidelines of DGMS & the Director Explosive. The recommendations of CIMFR for blasting is implemented and the vibrations measured are within the stipulated limits.
xix	The project proponent shall take all mitigative measures during mining operations to ensure that the buildings / structures in the nearby areas shall not be affected due to blasting	Controlled blasting is practiced and ground vibration is measured as per guidelines of DGMS & the Director Explosive. The recommendations of CIMFR for blasting is implemented and the vibrations measured are within the stipulated limits. Hence there have been no impacts on the buildings/structures in the nearby areas due to blasting. Blasting was not carried out during reporting period.
xx	Drill shall either be operated with dust extractors or equipped with water injection system.	Wet drilling is followed during mining (Annexure - 7).
xxi	Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	Loading, unloading points are sprinkled with water using mobile tanker to ensure effective dust control. At transfer points of the crusher, water sprinklers are installed.
xxii	Sewage treatment plant shall be installed for the colony. ETP shall also be provided	No workshop is constructed in the mine site as all mining vehicles are serviced in the nearby

S.No.	Conditions	Status
	the status of compliance of the EC conditions, their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow, the respective Zonal Officer of CPCB and the SPCB.	
xiv	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied
xv	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	Complied.
xvi	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, at Lucknow by e-mail.	Environment statement in Form V is submitted periodically as stipulated. Environmental statement for the year 2024-25 was submitted on 29.09.2025.
xvii	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 and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	Advertised in two News papers named Dainik Bhashkar and Rajasthan Patrika on 19.03.2010 (Annexure – 12).

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आयालय, भूमि प्रवाप्ति अधिकारी,
उदयपुर-सलुम्बर, राजसमन्द
क्रमांक :- 27/76

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सय-डिविजन
दिनांक 25-2-80 140

अवार्ड

(अन्तर्गत धारा 11, राजस्थान भूमि प्रवाप्ति अधिनियम, सन् 1953)
विषय:- हिन्दुस्तान जिक लि० के कार्य में आने वाली भूमि को अर्वाप्त करने हेतु ।

पदावली प्रवर्धन की गई । हिन्दुस्तान जिक लि०, नया फलहपुरा, उदयपुर की शाखा जावर/मट्ट/दरीवा मार्टिस के लिए भूमि प्रवाप्ति अर्वाप्त राज्य सरकार से राजस्थान भूमि प्रवाप्ति अधिनियम, सन् 1953 की धारा 4 की विज्ञप्ति सनिज विभाग द्वारा जरिये नम्बर अवार्ड अ.प.स. 13-6-73 दि. 13-6-73 को प्राप्त हो जाने से भूमि प्रवाप्ति अधिकारी गिर्वा/सलुम्बर/राजसमन्द की ओर से जरिये नं. दिनांक को सार्वजनिक स्थानों पर प्रकाशित हो चुकी है और इस दमियान में कायिजान भूमि से प्राप्त समझौता पर बातचीत की गई जो आपसी समझौते से अर्वाप्त होने वाली भूमि का एवजान लेने के लिए रजामन्द है ।

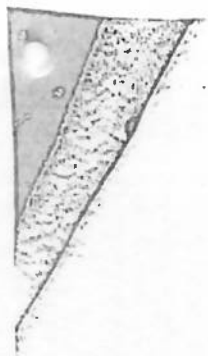
उपरोक्त प्रकार में निम्नलिखित आसामियान की भूमि अर्वाप्त हो रही है । इस भूमि की सर्वे की गई जिसका विवरण निम्नलिखित है :-

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1	2	3	4	5	6	7	8
मट्ट	गिर्वा	1477	8-	00	अर्वाप्त	1-00	

माली कागजात से इस भूमि के मालिक और कायिजान की जांच कराई गई तो पता गया कि अर्वाप्ति होने वाली भूमि जिसका विवरण ऊपर दिया गया है श्री गुजरा पचामन मट्ट पिता श्री जाति निवासी तहसील गिर्वा के नाम पर इन्द्राज है जिसकी तस्दीक तहसीलदार सा. गिर्वा/सलुम्बर/राजसमन्द ने की है और उन्होंने यह भी प्रमाणित किया है कि अर्वाप्ति श्री गुजरा पचामन मट्ट के नाम जारी किया जावे ।

चूंकि आसामियान आपसी समझौते पर एवजाना के लिए तैयार है । ऐसी स्थिति में भूमि प्रवाप्ति अधिनियम, 1953 की धारा 4 (3) व 4 (1) के अनुसार नोटिस जारी करने की कोई आवश्यकता नहीं है ।

तहसीलदार सा. गिर्वा/सलुम्बर/राजसमन्द ने मार्केट वेल्थ आपसी समझौते के आधार पर एवजाना देने के लिये स्वीकृति चाही जो फाईल संलग्न है ।



राजस्थान सरकार
राजस्थान, राजपुराण

विषय: - मजदूरों की
आवृत्ति

क्रमांक: - 10/3/1977-6/88/1 संयुक्त संविधान: - 15-2-77

3681
27.2.77
राजपुराण
26/2/77

विषय: - भूमि अधिग्रहण अधिनियम, 1954 के अन्तर्गत अधिग्रहण की
के लिए आवेदन पत्रों का निरीक्षण

महोदय,

केन्द्रीय भूमि अधिग्रहण अधिनियम, 1954 के अन्तर्गत अधिग्रहण
पर विभिन्न सरकारी कार्यों के लिये अधिग्रहण भूमि अधिग्रहण का
है। अधिग्रहण अधिनियम द्वारा अधिग्रहण के अधिनियम के अन्तर्गत भूमि का
अधीनकारी कर विवेक व्यवस्थाओं को भूमि का अधिग्रहण अधिग्रहण के
परिचालन भूमि का अधिग्रहण अधिनियम द्वारा विवेक अधिग्रहण है।

अब प्रश्न यह उत्तर है कि अधिग्रहण अधिनियम, 1954 के अन्तर्गत अधिग्रहण
अधिनियम, 1954 के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण
अधिनियम के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण

उक्त अधिनियम के अन्तर्गत अधिग्रहण अधिनियम, 1954 के अन्तर्गत अधिग्रहण
भूमि अधिग्रहण अधिनियम, 1954 के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत
अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण
अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण
अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण

Rev.
10/3/77 to All R.O.s
3/3

125
28.2.77

संविधान: - निम्न विधान के अन्तर्गत अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण
अधिग्रहण अधिनियम, राजपुराण, राजपुराण

ATTN: 3



HINDUSTAN ZINC LIMITED
Maton Rock Phosphate Mine
Tehsil - Girwa, Distt. Udaipur (Raj.) - 313003
Phone : - 0294-2342093

Ref: HZL/Maton/CGWA/MiningNew/2014-15/ 42

Dt 14.07.2014

To,

The Member Secretary,
Central Ground Water Authority,
West Block-II, Wing-3 (Ground),
Sector-1, R.K. Puram, New Delhi-110066

Sub: Application for grant of NOC to abstract 1.31m³/day quantity of groundwater by dewatering due to intersection of water table at Maton Rock Phosphate Mine of M/s Hindustan Zinc Limited near village Maton Tehsil Girwa Distt Udaipur situated in Girwa block

Ref: 1. Our applications dt, 26.03.2010 & subsequent correspondence dt 17.08.2010 & 19.01.2013
2. Environmental Clearance, dt. 17.03.2010, granted by MoEF for 180000 TPA production capacity

Sir,

Maton Rockphosphate Mine of Hindustan Zinc Ltd is being operated for last more than 40 years. After Issuance of EIA Notification, 2006, ore production capacity of the mine continued to remain at 60000 TPA, hence grant of Environmental Clearance was not required till 16.03.2010. However for further renewal of mining lease, the MoEF granted us Environmental Clearance for enhanced capacity of 1,80,000 TPA.

Due to proposed intersection of ground water table, the estimated quantity of dewatering is 1.31m³/day. HZL submitted the application for grant of permission to abstract groundwater by dewatering vide letter dt 26.03.2010 and thereafter incorporated revisions on dt 17.08.10 & 19.01.13. As per CGWA Guidelines, rainwater harvesting/recharge schemes to the tune of 2.62m³/day (200% of the abstracted quantity) was required to be implemented. In the meantime CGWA revised its guidelines on 15.11.2012 and prescribed the new proforma of application. After the incorporation of replies to CGWA queries, fresh application for grant of permission for 1.31m³/day or 480m³/year groundwater abstraction by dewatering is submitted herewith.

To optimise the groundwater recharge quantum, we engaged M/s Water Solutions, New Delhi to conduct study for undertaking the recharge measures for the runoff generated

Regd. Office: Yashad Bhawan, Udaipur (Rajasthan) - 313004
Corporate Identity No. (CIN): L27204RJ1966PLC001208. Website: www.hzindia.com

inside the project area. As per the report, the recharge measures for 41876m³/year quantity could be implemented. The total groundwater recharge obligation is 15560m³/year which comprises the quantities of (i) abstraction of groundwater 14600 i.e. (7300*2) m³/year and (ii) abstraction of groundwater due to dewatering 960 i.e. (480*2) m³/year. The above recharge measures of 41876m³/year are 5-6 times of 7780 m³/year of the abstracted quantity.

Amf
We humbly request you to kindly consider our application and grant us the NOC for 1.31m³/day ground water abstraction by dewatering.

With regards

A.S. Gohil
Manager (Mines)
Hindustan Zinc Ltd.
Mines Manager **Maton Rock Phosphate Mines**
Udaipur (Raj.)

Encl: above application form

CC to ; 1. Regional Director,
Central Ground Water Board,
Western Regional,
6A, Jhalana Doongri, Jaipur-302004

2. Office Copy (Env. Cell)

Name of Person/Firm	Hindustan Zinc Limited, Maton Rock Phosphate Mines Cirewa Dist. Udaipur
Letter Reference No. and Date	HZL/Maton/CGWB/Mining New/2014-7542 14/9/2014
Subject	APPL Form Grant of NOC to abstract 1.31 m ³ /day Village: Maton Tehsil, Cirewa Dist. Udaipur
Dated signatures of diaris/dispatcher (CGWB, WR, 6-A, Jhalana Doongri, Jaipur 302 004)	<i>Roc</i>
Remarks if any	<i>15/9/14</i>

ANNEXURE 4

ANNEXURE 2

HINDUSTAN ZINC LIMITED
Maton Rock Phosphate Mine
Tehsil- Girwa, Distt. Udaipur- 313004 (Raj)
Phone : 0294-2742093

January 10, 2011

To.

Executive Engineer
Irrigation Department
Udaipur (Raj)

Subject: NOC for construction of five Anicuts in respect of comply of EC condition
MoEF [Ref. F. No. J-11015/169/2009-IA.II (M) Dated 17.03.2010]

Su.

In order to comply with the Specific condition no. xii of the above reference (copy encl.), we have conducted study of "Rain-water harvesting program for augmentation of ground water storage of buffer zone of Maton Mines" from Hydro-Geosurvey Consultant, Jodhpur. Wherein they have proposed to construct 5 Anicuts in the buffer zone (location maps are encl) i.e.

Anicut No.1 near village Kalarwas
Anicut No.2 near village Parola
Anicut No.3 near village Bichhri
Anicut No.4 near village Kompur
Anicut No.5 near village Durauda

It is requested to kindly accord the NOC for the same so that we can start construction work at site.

Thanking you

Yours truly,

(Hemant Sharma)

Mine Manager



ATTACH-5



Ret. HZA Maton RSPCU/2015-16/65

Date: 18.09.2015

To,

The S-E Mines,
Rajasthan State Pollution Control Board,
4, Institutional Area,
Jhalana Doongri, Jaipur (Raj.) - 302004.

Subj: Grant of Consent to Operate under Section 21(4) of Air (Prevention & Control of Pollution) Act, 1981 and under section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for our Major Schedule Mineral Mine at near Village - Maton, Tehsil - Girwa, District - Udaipur (M.L. No.- 06/89-R-14/09).

Ref: CTO vide no. F(Mines)/Udaipur(Girwa)/1828(1)/2015-2016/2263-2267, dtd. 08.09.2015.

Sir,

With reference to point no. 10 of above referred CTO dtd. 08.09.2015, we hereby submit that based on the hydrogeological study conducted by Hydro-Geosurvey Consultants Private Ltd., Jodhpur and the same mentioned in EIA, it was clearly mentioned that the surface drainage of the lease area does not connect to the Ahar River and hence no effluents or rainwater runoff from the operations shall impact the Ahar river. Also the hillock situated towards north, outside mine lease, ensures that no surface drainage can reach to Ahar river.

Further, Maton Mines operates on Zero discharge. Site has pollution control measures like wet drilling and water sprinkling on haul road. Extensive plantation also controls dust from passing through it and reaching to Ahar river.

Also, to control pollution in Ahar river, HZL entered into a green bridge project of Jheel Sanrakshan Samiti (JSS) Udaipur & Udaipur Chamber of Commerce and Industry (UCCI) and contributed Rs. 10 Lakh to the local administration for pollution mitigation in Ahar River. Copy of acknowledgement receipt of the same is enclosed herewith as Annexure - 1.

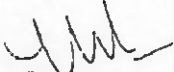
Further, HZL has entered into a tripartite agreement with Municipal Council Udaipur and Urban Improvement Trust Udaipur for laying of Sewage Trunk Line from Udaipur city to STP to divert sewage of city from entering into Ahar River and thereby avoiding pollution from entering into it. This 20 MLD STP is also set up by HZL at cost of Rs. 63 Crore at Manwa Kheda, Udaipur. Furthermore, 15% of treated water of above referred STP is released in Ahar River during dry season every year to maintain the water table in the area for the potential users or farmers and to conserve aquatic life of Ahar river.

Hindustan Zinc Limited

Maton Rock Phosphate Mines,
P.O - Maton, Th. - Girwa, Udaipur (Rajasthan) - 313003
Tel. : (+91-294) 2342093, Fax . : (+91-294)-2342092
Registered Office - Yashud Bhawan, Udaipur (Rajasthan) - 313004
www.hzlimitedia.com
CIN - L27206RJ1966PLC001208

Thanking you.

Yours sincerely,



(V.P. Jashi)

G.M. & Unit Head **Unit Head**
Hindustan Zinc Ltd.
Major Rock Phosphate Mines
Encl: As above. **Udaipur (Raj.)**

CC : 1. The Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area,
Jhalana Doongri, Jaipur (Raj.) - 302004.

2. The Regional Officer, Rajasthan State Pollution Control Board, F-470, Near UCCI
Building, Madri Industrial Area, Udaipur (Raj.) - 313003.

J. Office Copy (Env. Cell)



HINDUSTAN ZINC LIMITED
 Maton Rock Phosphate Mine
 Tehsil - Girwa, Distt. Udaipur (Raj.) - 313003
 Phone : - 0294-2342093

Dt 14.07.2014

Ref: HZL/Maton/CGWA/Industry/2014-15/43

To,

The Member Secretary,
 Central Ground Water Authority,
 West Block-II, Wing-3 (Ground),
 Sector-1, R.K. Puram, New Delhi-110066

Sub: Application for grant of NOC to abstract 20m³/day quantity of groundwater for Industrial use at Maton Rock Phosphate Mine of M/s Hindustan Zinc Limited near village Maton Tehsil Girwa Distt Udaipur situated in Girwa block

- Ref: 1. Our application dt 01.01.2010 & subsequent correspondences dt 11.02.2010, 17.08.2010 & 19.01.2013
 2. Environmental Clearance, dt 17.03.2010, granted by MoEF for 180000 TPA production capacity

Sir,

Maton Rockphosphate Mine of Hindustan Zinc Ltd is being operated for last more than 40 years. After issuance of EIA Notification, 2006, ore production capacity of the mine continued to remain at 60000 TPA, hence grant of Environmental Clearance was not required till 16.03.2010. However for further renewal of mining lease, the MoEF granted us Environmental Clearance for enhanced capacity of 1,80,000 TPA.

Operation of mine at enhanced capacity required 200m³/day groundwater for which HZL submitted application vide letter dt 01.01.2010 thereafter incorporated revisions on dt 11.02.10, 17.08.10 & 19.01.13. In the meantime CGWA revised its guidelines on 15.11 2012 and prescribed the new proforma of applications.

To reduce the uses of surface/groundwater for Industrial purposes, HZL has entered into a tripartite agreement with UMC, Udaipur and UIT, Udaipur on 09.05.2012 for setting up of 20 MLD Sewage Treatment Plant (STP) at Udaipur with an investment of Rs 159 Cr. Now HZL has commissioned the plant and made arrangement of pumping and transportation to use the treated water in its units. Looking to the availability, it has been decided to use 180m³/day of treated water for industrial activities and 20 m³/day of groundwater for domestic purposes. Accordingly a fresh application for grant of permission for 20 m³/day or 7300m³/year groundwater abstraction is submitted herewith.

Regd. Office: Yashad Bhawan, Udaipur (Rajasthan) - 313004
 Corporate Identity No. (CIN): L27204RJ1966PLC001208. Website: www.hzlindia.com

To optimise the groundwater resources, we engaged M/s Water Solutions, New Delhi to propose rainwater harvesting/recharge schemes, for 40m³/day or 14600m³/year, equivalent to 200% of the abstracted quantity. As per the report, recharge measures to the tune of 41876 m³/year quantity could be implemented for the runoff generated inside the project area. It is pertinent to mention that out of 143.13 Ha lease, area of 116.49 Ha not covered in the above recharge schemes, will contribute to in-situ recharge of 36345m³/year.

Thus the total groundwater recharge obligation is 15560m³/year which comprises the quantiles of (i) abstraction of groundwater 14600 i.e. (7300*2) m³/year and (ii) abstraction of groundwater due to dewatering 960 i.e. (480*2) m³/year. The above recharge measures of 41876m³/year are 5-6 times of 7780 m³/year of the abstracted quantity.

We humbly request you to kindly consider our application and grant us the NOC for 20m³/day ground water abstraction.

With regards

(Signature)
 (Amar Singh Gohil) Manager (Mines)
 Hindustan Zinc Ltd.
 Mines Manager Maton Rock Phosphate Mines
 Udalpur (Raj.)

Encl: above application form

CC to : 1. Regional Director,
 Central Ground Water Board,
 Western Regional,
 6A, Jhalana Doongri, Jaipur-302004

2. Office Copy (Env. Cell)

Name of Person/Firm	Hindustan Zinc Ltd. Maton Rock Phosphate mines Guzera Dist. Udalpur
Letter Reference No. and Date	AZL/maton/CGWB/industry/2019-15-43 14/2/19
Subject	Application for grant of NOC, to abstract 20 m ³ /day village Maton Tehsil Guzera Dist. Udalpur
Signed signatures of dia/ris/vis/pa/tehr (CGWB, WR, 6-A, Jhalana Doongri, Jaipur 302 004)	
Remarks if any	CA:st 16/2/19

कार्यालय उप वन संरक्षक, उदयपुर (उत्तर)

क्रमांक-प () रावे / खस / उत्तर / ८८१५ दिनांक १५-१२-०९

माईस मेनेजर
हिन्दूस्तान जिक लिमिटेड
मदत माईंस
उदयपुर

विषय - Issue of certificate regarding National Parks, Sanctuaries, Biosphere Reserves, Wildlife corridors Tiger/Elephant reserves (existing as well as proposed), within 10 Km of the mine lease of Matou Mines (ML No. 689) Near village Matou, Tehsil Girwa, Distt. Udaipur (Raj.)

परम - आपका प्रार्थना पत्र क्रमांक मिल HZL/Matou/env/09/ 12-11-09 16.11.2009

भावार्थ -

अपराजित विषयवस्तुतः प्रासांगिक प्रार्थना पर क कम से लिखा जाया है कि प्रमाण सं. १-१-१ एम एल ०६/१९८९ के कोर एव चफर क्षेत्रक १० कि.मी सीमा में नश्वरत पवन संरक्षित क्षेत्रों का प्रासांगिक विषय माईंस लाईफ कॉन्सिडर टाइमर, एलिफेन्ट रिजर्व विषयान गयी है।

भवदीय
[Signature]
उप वन संरक्षक
उदयपुर (3012)

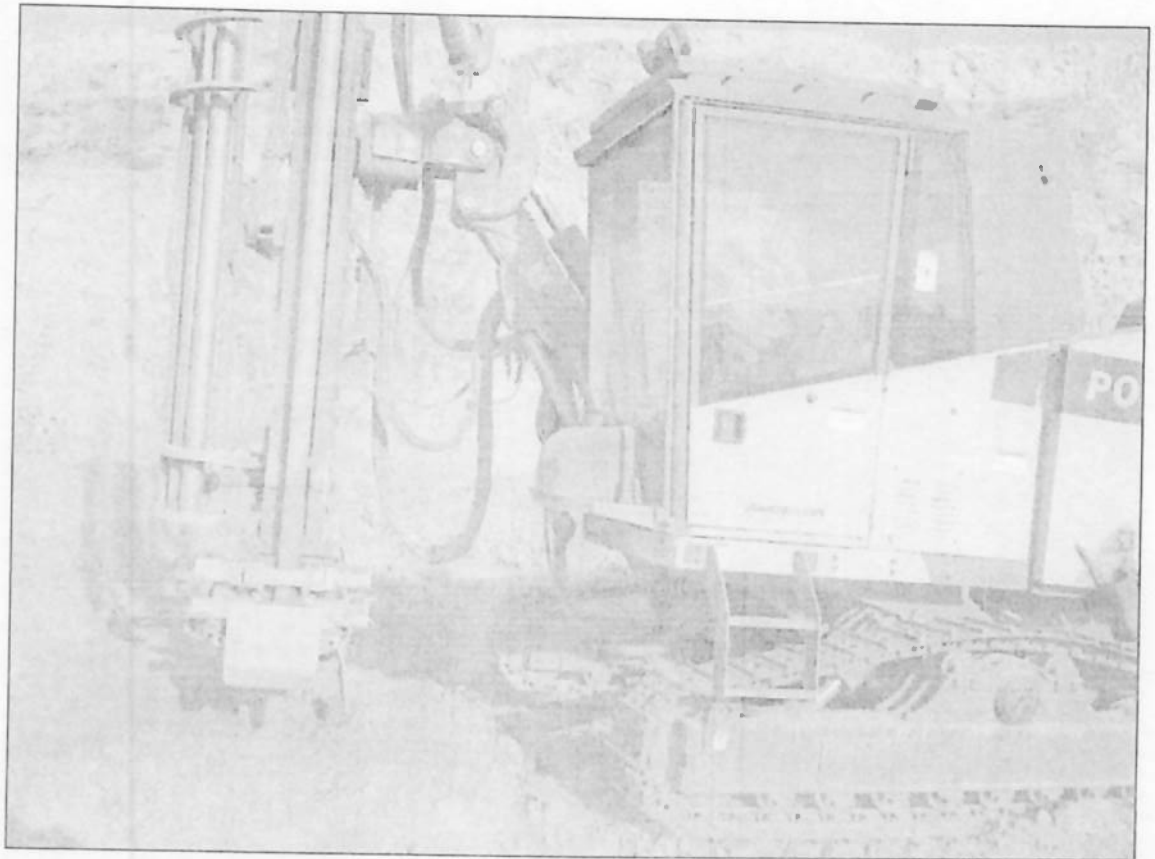


Fig : Wet Drilling

कार्यालय उप वन संरक्षक, उदयपुर (उत्तर)

क्रमांक-प. () सर्वे/उवस/उत्तर/

6095

दिनांक : 14-12-09

माईन्स मैनेजर
हिन्दूस्तान जिंक लिमिटेड
मटून माईन्स
उदयपुर

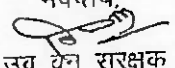
विषय :- Authentication of flora and fauna in core & Buffer zone of Matun Mines
(ML. No. 6/89) near village Matun tehsil Girwa Distt. Udaipur (Raj.)

प्रसंग:- आपका प्रार्थना पत्र क्रमांक निल HZL/Matun/env/09/ दिनांक 18.11.2009

महोदय,

उपरोक्त विषयान्तर्गत प्रासांगिक प्रार्थना पत्र के क्रम में लिखा जाता है कि आपके लिज नं. एम.एल. 06/1989 के कोर एवं बफर क्षेत्र में पाये जाने वाले फ्लोरा एवं फाउना की सूचीयां आवश्यक कार्यवाही हेतु संलग्न प्रस्तुत है।

संलग्न:- उपरोक्तानुसार।

भवदीय,

उप वन संरक्षक
उदयपुर (उत्तर)

**AMBIENT AIR
QUALITY
MONITORING**



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chhatrajn Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : teamtesting@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC1235726400002292F	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:02 to 25-12-2025 17:02
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	360	TTH/AAQM/08	2000 (8 Hours)
2	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	15.47	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	33.01	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	7.32	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	69.41	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

- * The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- * This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
- * The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst

Authorised Signatory

(Report No: TC1235726400002292F)



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

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C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RHC O Industrial Area,
Shapura, Jaipur - 302072, Rajasthan
Phone : +91 9460222039, 9460222045,
Email : director@teamtesthouse.com,
Enquiry : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002292	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:02 to 25-12-2025 17:02
Point of Collection :	Mine Lease Area [Latitude:24.5+2356 Longitude:73.796451]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182-2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica [SiO ₂] [%]	2.97	TTH/Free Silica/01	Not specified
8	Phosphate [microgram/m ³]	0.41	TTH/AAQM/11	Not specified

Notes -

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Senior Analyst

Authorized Signatory
(Report No: 400002292)



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TEST REPORT

Report No./ULR No. :	TC1235726400002293F	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:06 to 25-12-2025 17:06
Point of Collection :	kharwaria Village [Latitude:24.33° Longitude:73.47°3"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	330	TTH/AAQM/08	2000 (8 Hours)
2	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	15.3	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	28.46	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	Less than 6.0	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	79.69	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Pravin Kati Yooi
Senior Analyst

Authorized Signatory
(Report No: TC1235726400002293F)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400002293	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:06 to 25-12-2025 17:06
Point of Collection :	Kharwaria Village [Latitude:24.33'9" Longitude:73.47'3"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Panchojia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica [SiO ₂] [%]	2.79	TTH/Free Silica/01	Not specified
8	Phosphate [microgram/m ³]	0.35	TTH/AAQM/11	Not specified

Notes :-

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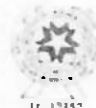
Senior Analyst

Authorized Signatory
(Report No. 400002293)



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Email : marketing@teamtesthouse.com

TEST REPORT

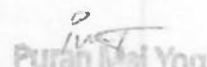
Report No./ULR No. :	TC1235726400002294F	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Lines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:10 to 25-12-2025 17:10
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

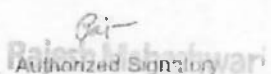
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	320	TTH/AAQM/08	2000 (8 Hours)
2	Lead [microgram/m ³]	0.10	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO ₂ [microgram/m ³]	13.63	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	27.04	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m ³]	Less than 6.0	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	67.34	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Purnima Yog
Senior Analyst


Rajendra Singh
Authorized Signatory
(Report No: TC1235726400002294F)



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TEST REPORT

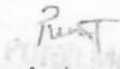
Report No./ULR No. :	400002294	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	24-12-2025 17:10 to 25-12-2025 17:10
Point of Collection :	Maton Village (Latitude:24.33'12" Longitude:73.47'39")	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jargid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica [SiO ₂] [%]	3.23	TTH/Free Silica/01	Not specified
8	Phosphate [microgram/m ³]	0.41	TTH/AAQM/11	Not specified

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: 400002294)

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TEST REPORT

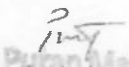
Report No./ULR No. :	TC123572640002295F	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O. Maton, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	25-12-2025 17:14 to 26-12-2025 17:15
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Panchoia	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Carbon Monoxide [microgram/m ³]	310	TTH/AAQM/08	2000 (8 Hours)
2	Lead [microgram/m ³]	0.2	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.34	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	28.86	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m ³]	Less than 6.0	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	62.19	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: TC123572640002295F)



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TEST REPORT

Report No./ULR No. :	400002295	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	25-12-2025 17:14 to 26-12-2025 17:15
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
7	Silica [SiO ₂] [%]	2.69	TTH/Free Silica/01	Not specified
8	Phosphate [microgram/m ³]	0.38	TTH/AAQM/11	Not specified

Notes :-

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Senior Analyst

Signature
Rajesh Maheshwari

Signature
Rajesh Maheshwari
Authorized Signatory
(Report No. 400002295)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC1235726400002296F	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O. Maton, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	25-12-2025 17:17 to 26-12-2025 17:18
Point of Collection :	Umarda Village [Latitude 24.535395 Longitude:73.803855]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	290	TTH/AAQM/08	2000 (8 Hours)
2	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.04	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	26.71	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	Less than 6.0	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	59.5	IS 5182 (Part 23)-2008 RA 2017	100.00

Notes :-

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Purni Mal Yogi
Senior Analyst

Rajeshwar Singh
(Report No: TC1235726400002296F)



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TEST REPORT

Report No./ULR No. :	400002296	Date :	02-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring :	25-12-2025 17:17 to 26-12-2025 17:18
Point of Collection :	Umarda Village [Latitude:24.535395 Longitude:73.803885]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 02-01-2026	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica [SiO ₂] [%]	3.03	TTH/Free Silica/C1	Not specified
8	Phosphate [microgram/m ³]	0.27	TTH/AAQM/11	Not specified

Notes :-

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Suran K M Yogi
Senior Analyst

Rajesh Chhabra
Authorized Signatory
(Report No: 400002296)



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Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

TEST REPORT

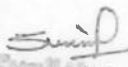
Report No.	HZL/Maton/2026/03/402	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Kharwaria Village [Latitude:24.33'9" -Longitude:73.47'3"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08	2000 (8 hours)
2	Lead [microgram/m3]	0.23	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.35	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	29.48	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	Less than 6	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	74.62	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: HZL/Maton/2026/03/402)



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TEST REPORT

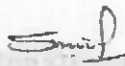
Report No.	HZL/Matcn/2026/03/402	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Kharwaria Village [Latitude:24.33'9" -Longitude:73.47'3"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

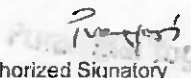
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica as SiO ₂ [%]	2.95	TTH/Free Silica/01	Not specified
8	Phosphate as PO ₄ [microgram/m ³]	0.29	TTH/AAQM/11	Not specified

Notes :-

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Report No.	HZL/Maton/2026/03/404	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026 to 12.03.2026
Point of Collection :	Lakadwas Village [Latitude:24.33'32"- Longitude:73.48'21"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	230	TTH/AAQM/08	2000 (8 hours)
2	Lead [microgram/m ³]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO ₂ [microgram/m ³]	12.32	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	23.92	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m ³]	Less than 6	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m ³]	58.48	IS 5182 (Part 23)-2006 RA 2017	100.00

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Report No.	HZL/Maton/2026/03/404	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mincs
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026 to 12.03.2026
Point of Collection :	Lakadwas Village [Latitude:24.33'32"- Longitude:73.48'21"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representat'ive:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

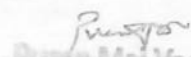
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica as SiO ₂ [%]	2.71	TTH/Free Silica/01	Not specified
8	Phosphate as PO ₄ [microgram/m ³]	0.30	TTH/AAQM/11	Not specified

Notes :-

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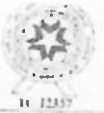

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TEST REPORT

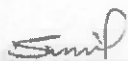
Report No.	HZL/Maton/2026/03/403	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Maton Villaga [Latitude:24.33'12" - Longitude:73.47'39"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

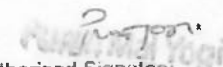
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	280	TTH/AAQM/08	2000 (8 hours)
2	Lead [microgram/m3]	0.39	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.15	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	35.44	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	Less than 6	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	74.84	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: HZL/Maton/2026/03/403)



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TEST REPORT

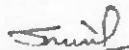
Report No.	HZL/Maton/2026/03/403	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Maton Village [Latitude:24.33'12" - Longitude:73.47'39"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madnukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica as SiO ₂ [%]	2.35	TTH/Frae Silica/01	Not specified
8	Phosphate as PO ₄ [microgram/m ³]	0.24	TTH/AAQM/11	Not specified

Notes :-

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TEST REPORT

Report No.	HZL/Maton/2026/03/401	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m3]	410	TTH/AAQM/08	2000 (8 hours)
2	Lead [microgram/m3]	0.34	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	16.65	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	32.18	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	Less than 6	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	72.48	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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TEST REPORT

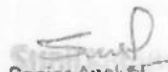
Report No.	HZL/Maton/2026/03/401	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026 to 10.03.2026
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

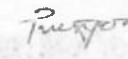
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica as SiO ₂ [%]	2.39	TTH/Free Silica/01	Not specified
8	Phosphate as PO ₄ [microgram/m ³]	0.30	TTH/AAQM/11	Not specified

Notes :-

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TEST REPORT


Report No.	HZL/Maton/2026/03/405	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mnes
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026 to 12.03.2026
Point of Collection :	Umarda Village [Latitude:24.535395 -Longitude:73.603885]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

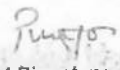
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Carbon Monoxide [microgram/m ³]	330	TTH/AAQM/08	2000 (8 hours)
2	Lead [microgram/m ³]	0.19	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO ₂ [microgram/m ³]	14.42	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM _{2.5}) [microgram/m ³]	32.10	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m ³]	Less than 6	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM ₁₀) [microgram/m ³]	63.18	IS 5182 (Part 23)-2006 RA 2017	100.00

Notes :-

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No.	HZL/Maton/2026/03/405	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Air Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026 to 12.03.2026
Point of Collection :	Umarda Village [Latitude:24.535395 -Longitude:73.8038851]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5182:2000(Part14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

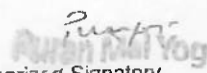
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
7	Silica as SiO ₂ [%]	1.81	TTH/Free Silica/01	Not specified
8	Phosphate as PO ₄ [microgram/m ³]	0.23	TTH/AAQM/11	Not specified

Notes :-

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Senior Analyst

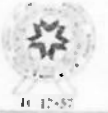

Authorized Signatory
(Report No: HZL/Maton/2026/03/405)

**AMBIENT
NOISE
MONITORING**



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TEST REPORT

Report No./ULR No. :	25600001897	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Typo of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Mine Lease Area	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	56.5	53.7	47.2	55.1
2	7-8 AM	57.3	55.2	46.5	57.1
3	8-9 AM	58.2	56.4	48.2	58.1
4	9-10 AM	59.3	55.8	48.7	57.7
5	10-11 AM	59.5	57.6	50.4	59.0
6	11-12 AM	60.7	56.2	52.3	57.4
7	12-13 PM	61.4	57.6	53.5	58.6
8	13-14 PM	62.8	59.2	49.5	62.1
9	14-15 PM	63.4	58.8	48.5	62.5
10	15-16 PM	62.8	59.5	53.2	61.0
11	16-17 PM	63.4	61.3	56.4	62.1
12	17-18 PM	65.1	62.3	57.8	63.2
13	18-19 PM	61.6	58.4	52.3	59.8
14	19-20 PM	58.9	56.7	53.5	57.2
15	20-21 PM	63.2	61.5	54.5	62.8
16	21-22 PM	62.5	60.2	53.5	61.6
Leq Day (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					59.7

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 25600001897)



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TEST REPORT

Report No./ULR No. :	25600001897	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Match Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Mine Lease Area	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Night Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	57.4	47.6	48.5	48.9	57.4
2	56.8	49.5	46.7	51.2	56.8
3	57.5	51.3	48.3	52.7	57.5
4	58.4	48.4	45.2	51.3	58.4
5	59.9	47.2	47.4	49.8	59.9
6	59.8	47.5	48.5	49.6	59.8
7	57.6	52.3	48.6	53.7	57.6
8	55.8	53.2	46.9	54.5	55.8
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 30] ^{0.5})					51.5
Day-Night Sound Level (L _{dn}) = 10 log {1/24 [16 (10 L _{day} /10) + 8 (10 (L _{night} + 10)/10)]}					60.5

CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM		Night Time dB 10:00 PM to 6:00 AM	
1	Industrial Area	75.0	70.0		
2	Commercial Area	65.0	55.0		
3	Residential Area	55.0	45.0		

Notes :-

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Purni Mai Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 25600001897)



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TEST REPORT

Report No./ULR No. :	25600001098	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Kharwaria village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025 to 02.01.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9969]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	57.4	45.6	42.8	49.2
2	7-8 AM	55.6	48.5	43.6	50.9
3	8-9 AM	59.5	45.2	42.7	49.9
4	9-10 AM	59.7	47.3	45.2	50.8
5	10-11 AM	55.8	50.8	42.4	53.8
6	11-12 AM	61.4	51.7	49.7	54.0
7	12-13 PM	60.1	54.5	45.4	58.1
8	13-14 PM	61.5	50.5	47.5	53.8
9	14-15 PM	58.4	51.2	46.3	53.6
10	15-16 PM	59.3	48.3	44.7	51.9
11	16-17 PM	63.5	50.2	43.6	56.8
12	17-18 PM	58.2	49.3	45.2	52.1
13	18-19 PM	61.5	48.4	43.2	54.0
14	19-20 PM	58.3	48.2	41.7	52.8
15	20-21 PM	61.2	45.3	43.2	50.7
16	21-22 PM	57.4	43.4	41.5	47.6
Leq Day (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					52.5

Notes :-

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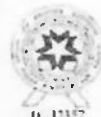
Purnima Yogi
Senior Analyst

Rajeshwari
Authorized Signatory
(Report No: 25600001445)



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Email : marketing@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	25600001898	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Kharwaria village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025 to 02.01.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	48.6	41.5	40.7	42.5
2	23-24 PM	47.8	42.3	39.2	43.5
3	0-1 AM	49.5	39.6	40.5	41.0
4	1-2 AM	52.3	41.2	41.2	43.3
5	2-3 AM	52.4	40.3	37.4	44.1
6	3-4 AM	55.2	42.7	40.6	46.3
7	4-5 AM	53.5	41.3	38.5	45.1
8	5-6 AM	51.4	39.5	41.3	41.2
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					43.4
Day-Night Sound Level (L _{dn})= 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)]}					52.9

CPCB Norms

S. No	Category of area	Day Time dB	
		6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 25600001898)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	25600001899	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Maton village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	53.5	44.3	39.2	47.7
2	7-8 AM	54.2	45.5	41.5	48.2
3	8-9 AM	53.7	46.6	41.3	49.2
4	9-10 AM	55.2	47.7	42.2	50.5
5	10-11 AM	57.5	45.4	43.3	48.8
6	11-12 AM	55.4	47.6	41.2	51.0
7	12-13 PM	58.9	45.8	42.6	50.2
8	13-14 PM	61.5	46.7	43.6	52.0
9	14-15 PM	59.6	45.2	43.5	49.5
10	15-16 PM	58.5	47.3	45.2	50.2
11	16-17 PM	56.7	45.4	43.7	48.2
12	17-18 PM	55.2	54.7	42.6	57.3
13	18-19 PM	56.3	53.6	48.9	54.5
14	19-20 PM	54.2	52.5	47.3	53.3
15	20-21 PM	52.6	51.3	46.8	51.9
16	21-22 PM	52.2	50.4	43.5	51.7
Leq Day (Leq = L50 + [(L10 - L90) ² / 60])					50.9

Notes :-

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Senior Analyst

Authorized Signatory
(Report No:25600001899)



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marketing@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	25600001899	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Maton village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9889]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	45.3	39.6	41.5	39.8
2	23-24 PM	47.8	43.5	40.3	44.4
3	0-1 AM	45.2	41.2	39.7	41.7
4	1-2 AM	43.2	41.3	41.6	41.3
5	2-3 AM	41.3	40.2	38.5	40.3
6	3-4 AM	43.5	42.3	43.2	42.3
7	4-5 AM	42.8	42.6	41.3	42.6
8	5-6 AM	43.2	40.7	40.2	40.9
Leq Night (Leq = L50 + [(L10 - L90) * 1/60])					41.7
Day-Night Sound Level (Ldn) = 10 log [1/24 {16 (10 L-day/10) + 8 (10 (L-night + 10)/10)}]					51.3

CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 25600001899)



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TEST REPORT

Report No./ULR No. :	25600001900	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Lakadwas village	Date of Receipt :	25.12.2025
Date of Test/Analysis:	25.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitarajm Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Day Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	51.4	45.2	43.3	46.3
2	7-8 AM	52.3	47.6	43.5	48.9
3	8-9 AM	53.4	46.5	45.3	47.6
4	9-10 AM	55.4	47.3	43.5	49.7
5	10-11 AM	57.4	46.8	42.9	50.3
6	11-12 AM	58.3	48.2	45.7	50.8
7	12-13 PM	55.2	47.5	42.6	50.1
8	13-14 PM	57.5	48.6	43.5	51.9
9	14-15 PM	56.8	49.6	45.2	51.8
10	15-16 PM	59.5	48.8	43.2	53.2
11	16-17 PM	55.6	47.4	45.3	49.2
12	17-18 PM	52.1	48.5	42.3	50.1
13	18-19 PM	55.7	47.2	43.4	49.7
14	19-20 PM	56.3	48.7	42.5	51.9
15	20-21 PM	54.6	45.2	43.3	47.3
16	21-22 PM	52.2	46.7	42.5	48.3
Leq Day (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					49.8

Notes :-

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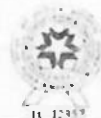
Senior Analyst

Mai Yogi
Mai Yogi

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: 2560001990)

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	25600001900	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	24.12.2025 to 25.12.2025
Point of Collection	Lakadwas village	Date of Receipt :	25.12.2025
Date of Test/Analysis:	25.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	42.8	43.5	41.5	43.5
2	23-24 PM	41.6	37.8	36.5	38.2
3	0-1 AM	45.6	40.3	39.8	40.9
4	1-2 AM	43.5	39.8	37.6	40.4
5	2-3 AM	42.6	40.3	38.5	40.6
6	3-4 AM	42.3	41.5	40.5	41.6
7	4-5 AM	41.2	39.2	37.4	39.4
8	5-6 AM	40.5	41.3	40.5	41.3
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀)/60])					40.7
Day-Night Sound Level (L _{dn}) = 10 log {1/24 [16 (10 L _{day} /10) + 8 (10 (L _{night} + 10)/10)]}					50.2

CPCB Norms

S. No	Category of area	Day Time dB	Night Time dB
		6:00 AM to 10:00 PM	10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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Pursh
Pursh Mal Yogi
Senior Analyst

Sitaram
Authorized Signatory
(Report No: 25600001900)



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TEST REPORT

Report No./ULR No. :	25600001901	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	25.12.2025 to 26.12.2025
Point of Collection	Umarda village	Date of Receipt :	27.12.2025
Date of Test/Analysis	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	55.6	47.5	42.3	50.4
2	7-8 AM	57.4	49.8	43.5	53.0
3	8-9 AM	61.2	49.5	43.8	54.5
4	9-10 AM	62.4	50.6	46.3	54.9
5	10-11 AM	65.7	48.3	43.5	56.5
6	11-12 AM	61.5	51.3	46.5	55.1
7	12-13 PM	59.8	48.5	45.4	52.0
8	13-14 PM	62.3	50.3	47.5	54.0
9	14-15 PM	65.7	51.2	46.3	57.5
10	15-16 PM	63.2	49.3	44.7	55.0
11	16-17 PM	61.4	47.5	43.6	52.8
12	17-18 PM	59.8	46.2	45.2	49.8
13	18-19 PM	65.8	45.7	43.2	54.2
14	19-20 PM	62.4	48.2	41.7	55.3
15	20-21 PM	56.4	48.3	45.6	50.2
16	21-22 PM	58.7	47.4	42.5	51.8
Leq Day (Leq = L50 + [(L10 - L90)² / 60])					53.6

Notes :-

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Rupan Mai Yogi
Senior Analyst

Authorized Signatory
(Report No: 25600001901)



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TEST REPORT

Report No./ULR No. :	25600001901	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	25.12.2025 to 26.12.2025
Point of Collection	Umarda village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	51.3	37.6	39.8	39.8
2	23-24 PM	48.5	38.8	39.2	40.2
3	0-1 AM	52.4	39.6	40.5	42.0
4	1-2 AM	53.2	40.2	39.2	43.5
5	2-3 AM	54.3	39.8	38.4	44.0
6	3-4 AM	52.3	38.7	40.6	41.0
7	4-5 AM	51.4	37.5	38.5	40.3
8	5-6 AM	47.3	40.5	41.3	41.1
Leq Night (Leq = L50 + [(L10 - L90) ² / 60])					41.5
Day-Night Sound Level (Ldn) = 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10) ¹⁰)]}					52.8

CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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Purnan Mal Yogi
Senior Analyst

Authorized Signatory
(Report No: 25600001901)



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TEST REPORT

Report No./ULR No. :	25600001902	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	25.12.2025 to 26.12.2025
Point of Collection	Near Udaisagar Village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Panchoija	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	52.5	45.6	42.6	47.2
2	7-8 AM	51.4	46.7	41.3	48.4
3	8-9 AM	52.1	48.5	42.2	50.1
4	9-10 AM	53.6	46.5	41.7	48.9
5	10-11 AM	55.7	48.7	43.5	51.2
6	11-12 AM	56.4	50.3	44.2	52.8
7	12-13 PM	57.3	51.6	47.3	53.3
8	13-14 PM	54.2	52.6	49.5	53.0
9	14-15 PM	53.8	53.6	53.2	53.6
10	15-16 PM	54.2	51.4	52.5	51.4
11	16-17 PM	50.7	55.2	53.4	55.3
12	17-18 PM	52.7	53.4	49.8	53.5
13	18-19 PM	55.3	52.5	46.6	53.8
14	19-20 PM	51.4	51.3	45.5	51.9
15	20-21 PM	49.8	50.4	44.5	50.9
16	21-22 PM	50.3	51.3	43.5	52.1
Leq Day (Leq = L50 + [(L10 - L90) ² / 60])					51.7

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: 25600001902)



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TEST REPORT

Report No./ULR No. :	25600001902	Date :	02.01.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rock phosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	25.12.2025 to 26.12.2025
Point of Collection	Near Udaisagar Village	Date of Receipt :	27.12.2025
Date of Test/Analysis:	27.12.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Sitaram Jangid
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	46.6	42.3	40.2	43.0
2	23-24 PM	45.2	42.5	42.3	42.6
3	0-1 AM	46.5	43.5	42.6	43.8
4	1-2 AM	44.1	41.6	38.5	42.1
5	2-3 AM	43.8	40.3	37.2	41.0
6	3-4 AM	45.6	43.6	42.8	43.7
7	4-5 AM	45.7	41.3	40.5	41.8
8	5-6 AM	43.6	42.7	41.8	42.8
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					42.6
Day-Night Sound Level (L _{dn})= 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)]}					52.1

CPCB Norms

S. No	Category of area	Day Time dB		Night Time dB	
		6:00 AM to 10:00 PM		10:00 PM to 6:00 AM	
1	Industrial Area	75.0		70.0	
2	Commercial Area	65.0		55.0	
3	Residential Area	55.0		45.0	

Notes :-

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Senior Analyst

Pranav Mal Yogi
Pranav Mal Yogi

Authorized Signatory
(Report No: 25600001902)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/407	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026
Point of Collection	Kharwaria village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Day Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	53.4	46.8	39.8	49.9
2	7-8 AM	53.2	50.1	44.5	51.4
3	8-9 AM	53.5	51.5	46.8	52.2
4	9-10 AM	54	51.4	46.5	52.3
5	10-11 AM	55.4	50.1	43.5	52.5
6	11-12 AM	54.2	48.9	43.5	50.8
7	12-13 PM	55.1	50.1	45.4	51.7
8	13-14 PM	54.9	50.5	48.4	51.2
9	14-15 PM	54.3	50.4	47.9	51.1
10	15-16 PM	56.5	51.4	48.7	52.4
11	16-17 PM	55.5	52.5	49.5	53.1
12	17-18 PM	54.9	50.5	50.1	50.9
13	18-19 PM	56.8	52.1	48.8	53.2
14	19-20 PM	57.4	53.4	49.4	54.5
15	20-21 PM	53.2	51	46.7	51.7
16	21-22 PM	52	48.5	43	49.9
Leq Day (Leq = L50 + [(L10 - L90) ² / 60])					51.8

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/407)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/407	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026
Point of Collection	Kharwaria village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Night Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	49.6	46.7	42.1	47.6
2	23-24 PM	48.5	44.5	39.5	45.9
3	0-1 AM	45.8	40.5	38.7	41.3
4	1-2 AM	40.3	39.1	38	39.2
5	2-3 AM	52.4	38.7	38.9	41.7
6	3-4 AM	55.7	41.5	39.4	45.9
7	4-5 AM	53	42	37.8	45.9
8	5-6 AM	52.6	44.1	41.3	46.2
Leq Night (Leq = L50 + [(L10 - L90) ² / 60])					44.2
Day-Night Sound Level (Ldn) = 10 log (1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10) ² /10)])					52.8

CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM		Night Time dB 10:00 PM to 6:00 AM	
1	Industrial Area	75.0		70.0	
2	Commercial Area	65.0		55.0	
3	Residential Area	55.0		45.0	

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/407)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/409	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	10.03.2026
Point of Collection	Lakadwas village	Date of Receipt :	13.03.2026
Date of Test/Analysis	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Day Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	52.4	43.5	39.5	46.3
2	7-8 AM	53	48.2	42.5	50.0
3	8-9 AM	55	51.9	45.6	53.4
4	9-10 AM	53.8	51.5	45	52.8
5	10-11 AM	56.4	50.8	43.4	53.6
6	11-12 AM	57.7	52.2	44.5	55.1
7	12-13 PM	56.9	55	47.5	56.5
8	13-14 PM	56.2	54.2	45.6	56.1
9	14-15 PM	56	52.9	44	55.3
10	15-16 PM	57.2	51	44.1	53.9
11	16-17 PM	54.8	50.5	42.1	53.2
12	17-18 PM	54.8	51.8	44.6	53.5
13	18-19 PM	56.5	50.2	42.8	53.3
14	19-20 PM	56.1	51.5	43.5	54.1
15	20-21 PM	54.2	50	43	52.1
16	21-22 PM	53.1	48.2	41.5	50.4
Leq Day (Leq = L50 + [(L10 - L90) * 1/60])					53.1

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/409)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/409	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	10.03.2026
Point of Collection	Lakadwas village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	42.9	42.1	40.1	42.2
2	23-24 PM	40.8	40.9	38.5	41.0
3	0-1 AM	43.1	40.5	37.8	41.0
4	1-2 AM	42.1	38.7	37.5	39.1
5	2-3 AM	40.1	39.4	37.9	39.5
6	3-4 AM	42.3	41	39.8	41.1
7	4-5 AM	41.4	41.2	38.9	41.3
8	5-6 AM	41.5	42.5	40	42.5
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₅₀) ² / 60])					41.0
Day-Night Sound Level (L _{dn}) = 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)]}					52.5

CPCB Norms

S. No	Category of area	Day Time dB		Night Time dB	
		6:00 AM to 10:00 PM		10:00 PM to 6:00 AM	
1	Industrial Area	75.0		70.0	
2	Commercial Area	65.0		55.0	
3	Residential Area	55.0		45.0	

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/409)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/408	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	10.03.2026
Point of Collection	Maton village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A) Day Time			Leq
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	56.5	45.6	42	49.1
2	7-8 AM	56	48.5	42.1	51.7
3	8-9 AM	57	52.1	44.1	54.9
4	9-10 AM	55.8	49.9	42.1	53.0
5	10-11 AM	54.3	48.8	41.6	51.5
6	11-12 AM	53.8	50.8	42	53.1
7	12-13 PM	56.8	53.5	45	55.8
8	13-14 PM	59.7	52.1	44.8	55.8
9	14-15 PM	57.4	51	43.1	54.4
10	15-16 PM	55.4	50.8	42.2	53.7
11	16-17 PM	55.8	51	42.5	53.9
12	17-18 PM	56.7	51.8	43.9	54.5
13	18-19 PM	57	52.9	43.1	56.1
14	19-20 PM	56	53	45.7	54.8
15	20-21 PM	53.6	52.1	44.5	53.5
16	21-22 PM	53.4	49.7	42.2	51.8
Leq Day (Leq = L50 + [(L10 - L90) / 60])					53.6

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/408)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/408	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	10.03.2026
Point of Collection	Maton village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

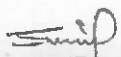
S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	43.5	42.5	40	42.7
2	23-24 PM	42.1	40.2	38.5	40.4
3	0-1 AM	41.4	38.8	37.5	39.1
4	1-2 AM	40.1	38.5	37	38.7
5	2-3 AM	40.5	39.2	38.4	39.3
6	3-4 AM	42.1	41.5	39.8	41.7
7	4-5 AM	41.5	41	39.8	41.0
8	5-6 AM	43.5	42.7	40.2	42.9
Leq Night (Leq = L50 + [(L10 - L90) ² / 60])					40.7
Day-Night Sound Level (Ldn) = 10 log (1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)])					52.8

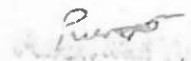
CPCB Norms

S. No	Category of area	Day Time dB	
		6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

- # The results stated refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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Senior Analyst


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Email : marketinglab@teamtesthouse.com

TEST REPORT

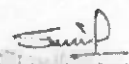
Report No./ULR No. :	HZL/Maton/2026/03/406	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026
Point of Collection	Mine Lease Area	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

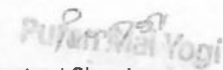
RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	56.6	55.2	48.9	56.2
2	7-8 AM	58.2	55.8	49.5	57.1
3	8-9 AM	59.6	56.9	49.4	58.6
4	9-10 AM	61.1	59.6	50.1	61.6
5	10-11 AM	59	60.2	50.8	61.3
6	11-12 AM	62.5	59	53	60.5
7	12-13 PM	63.5	58.5	54.9	59.7
8	13-14 PM	63.8	62.9	54	64.5
9	14-15 PM	64.1	63.5	50.2	66.7
10	15-16 PM	63.5	60.8	54.1	62.3
11	16-17 PM	62.2	62.5	52.7	64.0
12	17-18 PM	63.4	61.7	51.9	63.9
13	18-19 PM	62.1	62	52.1	63.7
14	19-20 PM	60.9	58.9	52.4	60.1
15	20-21 PM	59.4	57.8	52.4	58.6
16	21-22 PM	57.8	53.8	51.7	54.4
Leq Day (Leq = L50 + [(L10 - L90) / 60])					60.8

Notes :-

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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/406	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	09.03.2026
Point of Collection	Mine Lease Area	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

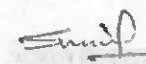
S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	56.2	50.5	47.5	51.8
2	23-24 PM	55.1	52.5	48.9	53.1
3	0-1 AM	57.4	53.5	49.5	54.5
4	1-2 AM	58	52.4	46.7	54.5
5	2-3 AM	57.4	51.5	45.8	53.7
6	3-4 AM	55.8	50.1	48.5	51.0
7	4-5 AM	56.7	52.9	48	54.2
8	5-6 AM	55.4	53	47.2	54.1
Leq Night (Leq=L50 + [(L10 - L90) ² /60])					53.4
Day-Night Sound Level (Ldn)= 10 log {1/24 [16 {10 L-day/10} + 8 {10 (L-night +10)/10}]}					61.8

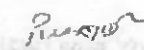
CPCB Norms

S. No	Category of area	Day Time dB	
		6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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(Report No: HZL/Maton/2026/03/406)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

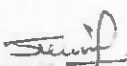
Report No./ULR No. :	HZL/Maton/2026/03/411	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection	Near Udaisagar village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

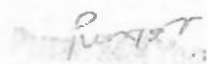
RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	49.8	44.8	40	46.4
2	7-8 AM	51.2	47.4	42.5	48.7
3	8-9 AM	53.5	49.8	42	52.0
4	9-10 AM	53.1	47.4	42.5	49.3
5	10-11 AM	52.4	46.5	41.8	48.4
6	11-12 AM	52.1	46.8	42	48.5
7	12-13 PM	56.4	45.4	43.5	48.2
8	13-14 PM	57.4	48.2	45.1	50.7
9	14-15 PM	54	47.5	48.5	48.0
10	15-16 PM	55.4	48.8	47.1	49.9
11	16-17 PM	53.5	49	46.5	49.8
12	17-18 PM	56.5	49.8	48.5	50.9
13	18-19 PM	57.2	54.5	50.1	55.3
14	19-20 PM	55.8	53.4	46.9	54.7
15	20-21 PM	56.9	50.8	48.8	51.9
16	21-22 PM	53.1	47.2	44	48.6
Leq Day (Leq = L50 + [(L10 - L90) ² / 60])					50.1

Notes :-

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Authorized Signatory
(Report No: HZL/Maton/2026/03/411)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/411	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection	Near Udaisagar village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	46	44.5	39.2	45.3
2	23-24 PM	42.5	42	40.1	42.1
3	0-1 AM	42.1	41.1	37.4	41.5
4	1-2 AM	41.2	40.1	37.2	40.4
5	2-3 AM	40.4	39.8	37.2	40.0
6	3-4 AM	40.6	40.2	38.1	40.3
7	4-5 AM	43.5	42.2	40.5	42.4
8	5-6 AM	43.6	43.1	40.6	43.3
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60])					41.9
Day-Night Sound Level (L _{dn}) = 10 log {1/24 [16 (10 ^{L_{day}/10}) + 8 (10 ^{(L_{night} + 10)/10})]}					50.8

CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM		Night Time dB 10:00 PM to 6:00 AM	
1	Industrial Area	75.0		70.0	
2	Commercial Area	65.0		55.0	
3	Residential Area	55.0		45.0	

Notes :-

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S. Singh
Senior Analyst

P. Nagesh
Authorized Signatory
(Report No: HZL/Maton/2026/03/411)



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TEST REPORT

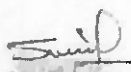
Report No./ULR No. :	HZL/Maton/2026/03/410	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection	Umarda village	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

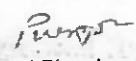
RESULTS

S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Day Time			
		L ₁₀	L ₅₀	L ₉₀	
1	6-7 AM	54.2	46.8	41.2	49.6
2	7-8 AM	56.4	47.5	42.9	50.5
3	8-9 AM	57.8	49	44.1	52.1
4	9-10 AM	57	51.8	47	53.5
5	10-11 AM	54.1	52.5	47.6	53.2
6	11-12 AM	54.9	50.2	45.7	51.6
7	12-13 PM	56.3	50.8	47.4	52.1
8	13-14 PM	55.1	50.2	48.4	50.9
9	14-15 PM	57.4	52.2	47.8	53.7
10	15-16 PM	54.8	51.1	45.9	52.4
11	16-17 PM	55	51.3	46.9	52.4
12	17-18 PM	56.5	52	48.8	53.0
13	18-19 PM	58	52.9	49.9	54.0
14	19-20 PM	54.1	53	48.5	53.5
15	20-21 PM	52.1	50.1	42.5	51.6
16	21-22 PM	53	48.9	40.3	51.6
Leq Day (Leq = L50 + [(L10 - L90) / 80])					52.2

Notes :-

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Senior Analyst


Authorized Signatory
(Report No: HZL/Maton/2026/03/410)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/410	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ambient Noise Quality Monitoring / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection	Umarda vilage	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	TTH/NOISE/01 [IS : 9989]
Quantity of Sample :	-	Sample Collected By	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

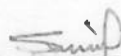
S.No.	Time Hours	Sound Pressure Level dB(A)			Leq
		Night Time			
		L ₁₀	L ₅₀	L ₉₀	
1	22-23 PM	52.2	49	40.9	51.1
2	23-24 PM	52.8	45.6	40.5	48.1
3	0-1 AM	43.5	41.5	39	41.8
4	1-2 AM	40.9	40.2	38.6	40.3
5	2-3 AM	40.1	39	38.5	39.0
6	3-4 AM	40.5	38.9	38.9	38.9
7	4-5 AM	42	40.2	37.6	40.5
8	5-6 AM	42.8	42.5	38.6	42.8
Leq Night (Leq = L ₅₀ + [(L ₁₀ - L ₉₀) ² / 60] ^{1/2})					42.8
Day-Night Sound Level (L _{dn})= 10 log {1/24 [16 (10 ^{L_{day}/10}) + 8 (10 ^{(L_{night} + 10)/10})]}					52.4

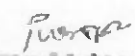
CPCB Norms

S. No	Category of area	Day Time dB 6:00 AM to 10:00 PM	Night Time dB 10:00 PM to 6:00 AM
1	Industrial Area	75.0	70.0
2	Commercial Area	65.0	55.0
3	Residential Area	55.0	45.0

Notes :-

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Senior Analyst


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GROUND WATER



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TEST REPORT

Report No./ULR No. :	TC1235726100001546F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]	Date of Report :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Panchohia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.45	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	475.25	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.08	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	185.9	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids [mg/l]	766	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	99.01	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	55.34	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	128.4	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	19.25	4500-NO3- B , APHA 24th Edition
15	Fluoride [mg/l]	0.77	IS 3025 (Part 60) : 2008 RA 2019

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S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.24	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	270.2	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -E , APHA 24th Edition
20	Sodium [mg/l]	61	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	1577	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	10	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	3.6	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition
29	Silica [mg/l]	8.55	4500-SiO2 C , APHA 24th Edition

Notes -

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Balra Anarwal
Senior Analyst

Rajesh
Rajesh Visheshwari
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	100001546	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Match Mines] Rock Phosphate Match Mines P.O.-Maton, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.798235]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

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Balra Agarwal
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No: 100001546)



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Email : marketing@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC1235726100001547F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Main Gate [Drinking Water] [Latitude:24.547235 Longitude:73.801123]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
4	pH	7.28	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Total Hardness [mg/l]	63.37	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	36.69	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	143	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	15.05	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	6.26	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3



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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Sulphate [mg/l]	14.73	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	6.10	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	Less than 0.1	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Total Alkalinity [mg/l]	54.04	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Suspended Solids [mg/l]	4	IS 3025 (Part 17) : 1984 RA 2017	-	-
21	Bio Chemical Oxygen Demand [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica [mg/l]	Less than 1.0	4500-SiO2 C , APHA 24th Edition	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Conductivity at 25°C [microsiemens/cm]	259	2510- B , APHA 24th Edition	-	-
26	Residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Sodium [mg/l]	27.5	IS 3025 (Part 45) : 1993 RA 2019	-	-
28	Potassium [mg/l]	Less than 1	IS 3025 (Part 45) : 1993 RA 2019	-	-
29	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019	-	-

Notes :-

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Balram
Balram Agarwal

Rajesh
Rajesh Maheshwari

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TEST REPORT

Report No./ULR No. :	100001547	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Main Gate (Drinking Water) [Latitude:24.547235 Longitude:73.801129]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jang'id
Unit's representative :	Mr Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

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Balram Agarwal
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TEST REPORT

Report No./ULR No. :	TC1235726100001547.F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Biological	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Main Gate [Drinking Water] [Latitude:24.547235 Longitude:73.801129]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 13-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Total coliform [per 100 ml]	Absent	IS 15185:2016	Shall not be detectable in any 100 ml sample	-
2	E. Coli [per 100 ml]	Absent	IS 15185:2016	Shall not be detectable in any 100 ml sample	-

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Senior Analyst

Satyahan
Satyahan Sharma
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	TC1235726100001548F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Admin Building (Drinking Water) [Latitude:24.542362 Longitude:73.795157]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1967(Part 1)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
4	pH	6.90	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Total Hardness [mg/l]	59.41	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	34.24	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	131	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	11.09	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	7.7	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2009 RA 2017	0.1	0.3

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S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
13	Sulphate [mg/l]	12.80	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	5.72	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	Less than 0.1	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Total Alkalinity [mg/l]	48.25	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Suspended Solids [mg/l]	3	IS 3025 (Part 17) : 1984 RA 2017	-	-
21	Bio Chemical Oxygen Demand [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica [mg/l]	Less than 1.0	4500-SiO2 C , APHA 24th Edition	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Conductivity at 25°C [microsiemens/cm]	232	2510- B , APHA 24th Edition	-	-
26	Residual Chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1
27	Sodium [mg/l]	25.5	IS 3025 (Part 45) : 1993 RA 2019	-	-
28	Potassium [mg/l]	Less than 1	IS 3025 (Part 45) : 1993 RA 2019	-	-
29	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019	-	-

Notes :-

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Balram
Balram Arora

Rajesh
Rajesh Maheshwari



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TEST REPORT

Report No./ULR No. :	100001548	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Admin Building [Drinking Water] [Latitude:24.542362 Longitude:73.792157]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2012) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes -

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Balaram Agarwal
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Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC1235726100001548.F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Drinking Water / Biological	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Near Admin Building [Drinking Water] [Latitude:24.542362 Longitude:73.795157]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 13-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Total coliform [per 100 ml]	Absent	IS 15185:2016	Shall not be detectable in any 100 ml sample	-
2	E. Coli [per 100 ml]	Absent	IS 15185:2016	Shall not be detectable in any 100 ml sample	-

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Balram Agarwal
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Satybhhan Sharma
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TEST REPORT

Report No./ULR No. :	TC1235726100001549F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Kharwana Village [Ground Water] [Latitude:24.553425 Longitude:73.793694]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sikaram Jang'd
Unit's representative :	Mr Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	6.86	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	584.16	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.07	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	587.05	IS 3025 (Part 32) : 1986 RA 2019
8	Total Dissolved Solids [mg/l]	1804	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	174.26	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	36.09	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	339.2	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	38.56	4500-NO2- B , APHA 24th Edition
15	Fluoride [mg/l]	0.82	IS 3025 (Part 60) : 2008 RA 2019

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S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.05	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	231.6	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B . APHA 24th Edition
20	Sodium [mg/l]	340	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	3209	None
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	12	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	3.2	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	1.9	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C . APHA 24th Edition

Notes -

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Balra
Balra Agarwal
Senior Analyst

Rajesh
Rajesh Choudhary
Authorized Signatory

(Report No: TC1235726103001549F)

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TEST REPORT

Report No./ULR No. :	100001549	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Kharwaria Village [Ground Water] [Latitude:24.553425 Longitude:73.780594]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3023:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica [mg/l]	11.40	4500-SiO2 C, APHA 24h Edition

Notes :-

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Senior Analyst

Rajesh
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TEST REPORT

Report No./ULR No. :	TC1235726100001550F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Maton Village (Ground Water) [Latitude:24.553476 Longitude 73.794126]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Silaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2016
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.40	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	475.25	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.07	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	122.3	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids [mg/l]	910	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	118.81	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	43.31	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	293.8	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	36.40	4500-NO3- B , APHA 24th Edition
15	Fluoride [mg/l]	0.85	IS 3025 (Part 60) : 2008 RA 2019



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Email : market@glab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	193	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	79	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	1868	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	13	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	5.6	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition
29	Silica [mg/l]	6.86	4500-SiO ₂ C , APHA 24th Edition

Notes :-

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Senior Analyst

Rajesh Maheshwari
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TEST REPORT


Report No./ULR No. :	100001550	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jung'd
Unit's representative :	Mr Madhukar Panholia	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

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TEST REPORT

Report No./ULR No. :	TC1235726100001551F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Lakawas Village (Ground Water) [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.16	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness (mg/l)	574.26	IS 3025 (Part 21) : 2009 RA 2019
6	Iron (mg/l)	0.08	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride (mg/l)	327.77	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids (mg/l)	1193	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium (mg/l)	158.42	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium (mg/l)	43.31	IS 3025 (Part 46) : 1994 RA 2019
11	Copper (mg/l)	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese (mg/l)	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate (mg/l)	202.87	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate (mg/l)	25.93	4500-NO3- B , APHA 24th Edition
15	Fluoride (mg/l)	0.75	IS 3025 (Part 60) : 2008 RA 2019



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Email : director@teamtesthouse.com,
marloetinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.07	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	289.5	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	205	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	2342	2510- 5 , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	15	IS 3025 (Part 17) : 1964 RA 2017
26	Potassium [mg/l]	6.5	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Mishra
Authorized Signatory

(Report No: TC1235726100001551F)



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TEST REPORT

Report No./ULR No. :	100001551	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Match Mines) Rock Phosphate Match Mines P.O.-Match,, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Madwas Village (Ground Water) [Latitude: 24.553254 Longitude: 73.794116]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fil for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica [mg/l]	12.98	4500-S.O2 C , APHA 24th Edition

Notes -

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Balram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 100001551)

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TEST REPORT

Report No./ULR No. :	TC123572610001552F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Umarda Village (Ground Water) [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 27-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.33	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness (mg/l)	514.85	IS 3025 (Part 21) : 2009 RA 2019
6	Iron (mg/l)	0.07	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride (mg/l)	244.61	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids (mg/l)	1205	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium (mg/l)	99.01	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium (mg/l)	64.96	IS 3025 (Part 46) : 1994 RA 2019
11	Copper (mg/l)	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese (mg/l)	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate (mg/l)	218.2	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate (mg/l)	28.70	4500-NO ₃ - B , APHA 24th Edition
15	Fluoride (mg/l)	0.91	IS 3025 (Part 60) : 2008 RA 2019



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Email : marketing@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.06	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	501.8	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	19C	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	2057	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	14	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	19.2	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition

Notes -

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Balram
Balram Anand
Senior Analyst

Balram Maheshwari
Authorized Signatory
(Report No: TC1235726100001552F)



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TEST REPORT

Report No./ULR No. :	100001552	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Umarda Village (Ground Water) [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Steram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica [mg/l]	17.32	4500-SiO ₂ C , APHA 24th Edition

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Balraj
Balraj Arora
Senior Analyst

Rajesh
Rajesh Choudhary
Authorized Signatory
(Report No: 100001552)



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TEST REPORT

Report No./ULR No. :	TC1235726103001553F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Matoon Mines) Rock Phosphate Matoon Mines P.O.-Matoon,, District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Kanpur Village (Ground Water) [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	pH	7.30	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	415.84	IS 3025 (Part 21) : 2009 RA 2019
6	Chloride [mg/l]	410.94	IS 3025 (Part 32) : 1988 RA 2019
7	Total Dissolved Solids [mg/l]	1292	IS 3025 (Part 16) : 1984 RA 2017
8	Calcium [mg/l]	79.21	IS 3025 (Part 40) : 1991 RA 2019
9	Magnesium [mg/l]	52.93	IS 3025 (Part 46) : 1994 RA 2019
10	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
11	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
12	Sulphate [mg/l]	135.22	IS 3025 (Part 24) : 1986 RA 2019
13	Nitrate [mg/l]	42.76	4500-NO3- B , APHA 24th Edition
14	Fluoride [mg/l]	0.94	IS 3025 (Part 50) : 2008 RA 2019
15	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019



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Email : marketing@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Zinc [mg/l]	0.04	IS 3025 (Part 49) : 1994 RA 2019
17	Alkalinity - T [mg/l]	270.2	IS 3025 (Part 23) : 1986 RA 2019
18	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
19	Sodium [mg/l]	228	IS 3025 (Part 45) : 1993 RA 2019
20	Conductivity at 25°C [microsiemens/cm]	2493	2510- B , APHA 24th Edition
21	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
22	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
23	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
24	Total Suspended Solids [mg/l]	13	IS 3025 (Part 17) : 1984 RA 2017
25	Potassium [mg/l]	19.6	IS 3025 (Part 45) : 1993 RA 2019
26	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
27	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition
28	Silica [mg/l]	9.74	4500-SiO ₂ C , APHA 24th Edition

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC1235726100001553F)



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TEST REPORT

Report No./ULR No. :	100001553	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Kenpur Village (Ground Water) [Latitude:24.561503 Longitude:73.770293]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Giraram Jangid
Unit's representative :	Mr Madhuker Pencholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Iron [mg/l]	0.18	IS 3025 (Part 53) : 2003 RA 2019
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh K. Jangid
Authorized Signatory
(Report No: 100001553)

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TEST REPORT

Report No./ULR No. :	TC1235726100001554F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Nakoli Village [Ground Water] [Latitude:24.440409 Longitude:73.793033]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.31	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	475.25	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.09	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	97.84	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids [mg/l]	746	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	118.81	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	43.31	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	153.6	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	9.45	4500-NO3- B , APHA 24th Edition
15	Fluoride [mg/l]	0.83	IS 3025 (Part 60) : 2008 RA 2019

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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	308.8	IS 3025 (Part 23) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	58	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	1434	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	12	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	1.2	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition
29	Silica [mg/l]	7.94	4500-SiO ₂ C , APHA 24th Edition

Notes :-

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Balraj
Senior Analyst

Rajesh Maheshwari
Rajesh Maheshwari
Authorized Signatory
(Report No. TC1235726100001554F)



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TEST REPORT

Report No./ULR No. :	100001554	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton,, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Nakol Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Madhukar Fancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

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Balram Agarwal
Senior Analyst

Rajesh Chhabra
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	TC1235726100001555F	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O -Maton, District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Dhoenimata Village (Ground Water) [Latitude:24.635293 Longitude:73.683555]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram jang'd
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
4	pH	7.36	IS 3025 (Part 11) : 1993 RA 2017
5	Total Hardness [mg/l]	455.45	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.09	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	225.04	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids [mg/l]	1018	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	91.09	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	55.34	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	0.02	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	132.9	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	14.28	4500-NO3- B , APHA 24th Edition
15	Fluoride [mg/l]	0.74	IS 3025 (Part 60) : 2008 RA 2019



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Email : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.10	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	511.45	IS 3025 (Part 73) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	190	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	2199	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	13	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	14.8	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition
29	Silica [mg/l]	9.90	4500-SiO ₂ C , APHA 24th Edition

Notes :-

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Senior Analyst

Rajesh Chawari
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TEST REPORT

Report No./ULR No. :	100001555	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited [Maton Mines] Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Dhoomimata Village [Ground Water] [Latitude:24.635298 Longitude:73.683593]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	M. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 35) : 1991 RA 2019

Notes :-

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Senior Analyst

Raj
Rajesh Maheshwari
Authorized Signatory
(Report No: 100001555)



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TEST REPORT

Report No./ULR No. :	TC1235726100001556F	Date :	22-01-2026
Issued To :	M.S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan),	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Bagdara Talav Village (Surface Water) [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Silaram jangid
Unit's representative :	Mr Madhukar Panholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017
2	Odour	Agreeable	IS 3025 (Part 5) : 2018
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
4	pH	7.72	IS 3025 (Part 11) : 1983 RA 2017
5	Total Hardness [mg/l]	584.16	IS 3025 (Part 21) : 2009 RA 2019
6	Iron [mg/l]	0.09	IS 3025 (Part 53) : 2003 RA 2019
7	Chloride [mg/l]	317.99	IS 3025 (Part 32) : 1988 RA 2019
8	Total Dissolved Solids [mg/l]	1055	IS 3025 (Part 16) : 1984 RA 2017
9	Calcium [mg/l]	190.1	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	26.47	IS 3025 (Part 46) : 1994 RA 2019
11	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
12	Manganese [mg/l]	0.02	IS 3025 (Part 59) : 2006 RA 2017
13	Sulphate [mg/l]	173.3	IS 3025 (Part 24) : 1986 RA 2019
14	Nitrate [mg/l]	9.45	4500-NO3- B , APHA 24th Edition
15	Fluoride [mg/l]	0.56	IS 3025 (Part 60) : 2008 RA 2019



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S.No	Parameters	Observed Value	Testing Protocol
16	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
17	Zinc [mg/l]	0.04	IS 3025 (Part 49) : 1994 RA 2019
18	Alkalinity - T [mg/l]	270.2	IS 3025 (Part 25) : 1986 RA 2019
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition
20	Sodium [mg/l]	86	IS 3025 (Part 45) : 1993 RA 2019
21	Conductivity at 25°C [microsiemens/cm]	2085	2510- B , APHA 24th Edition
22	Phosphate [mg/l]	2.98	IS 3025 (Part 31) : 1988 RA 2019
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Total Suspended Solids [mg/l]	18	IS 3025 (Part 17) : 1984 RA 2017
26	Potassium [mg/l]	18	IS 3025 (Part 45) : 1993 RA 2019
27	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1	IS 3025 (Part 44) : 1993 RA 2019
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition

Notes :-

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Balraj Chhabra
Senior Analyst

Balraj Chhabra
Authorized Signatory
(Report No: TC1235726100001556F)

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TEST REPORT

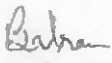
Report No./ULR No. :	100001556	Date :	22-01-2026
Issued To :	M/S Hindustan Zinc Limited (Maton Mines) Rock Phosphate Maton Mines P.O.-Maton., District - Udaipur (Rajasthan) (Rajasthan).	Type of Unit :	Mines
Type of sample / Discipline :	Ground Water/Surface water / Chemical	Date of Sample Collection/Monitoring :	24-12-2025
Point of Collection :	Bagdara Talav Village (Surface Water) [Latitude:24.39 50" Longitude:73.48'32"]	Date of Receipt :	27-12-2025
Date of Test/Analysis :	27-12-2025 to 22-01-2026	Sampling Plan :	IS 3025:1987(Part 1)/RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Madhukar Pancholia	Condition of Sample :	Fit for testing

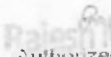
RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica [mg/l]	10.65	4500-SiO2 C, APHA 24th Edition

Notes :-

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TEST REPORT

Report No./JLR No. :	HZJ/Maton/2026/03/423	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-1 (Near Telling Dam) [Latitude:24.539909 Longitude:73.793278]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.35	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micromho/cm]	1881	IS 3025-1964 (Part 14) : RA 2019
3	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
4	Odour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 6) : 1984 RA 2017
6	Total Dissolved Solids [mg/l]	1124	IS 3025 (Part 16) : 1984 RA 2017
7	Total Suspended Solid [mg/l]	32	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	570	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	116	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	68.04	IS 3025 (Part 40) : 1991 RA 2019
11	Total Alkalinity [mg/l]	570	IS 3025 (Part 23) : 1986 RA 2019
12	Chloride [mg/l]	255.92	IS 3025 (Part 32) : 1988 RA 2019
13	Fluoride [mg/l]	0.89	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	120.35	IS 3025 (Part 24) : 1986 RA 2019

Purushottam
Purushottam



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	14.94	4500-NO3- B , APHA 24th Edition
17	Zinc [mg/l]	0.10	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	0.07	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Silica as SiO ₂ [mg/l]	24.93	4500-SiO ₂ C , APHA 24th Edition
24	Sodium as Na [mg/l]	158	IS 3025 (Part 45)
25	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
26	Phosphate [mg/l]	0.90	IS 3025 (Part 31)
27	Potassium as K [mg/l]	5.0	IS 3025 (Part 45)
28	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition.
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019

Notes :-

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Balraj Agarwal
Senior Analyst

Purani
Purani Mal Yogi
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(Report No: HZL/Maton/2026/03/423)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/423	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring :	11.03.2026
Point of Collection :	Piezometer-1 (Near Telling Dam) [Latitude:24.539809 Longitude:73.793278]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

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Balram Agarwal
Senior Analyst

Pankaj Singh Yogi
Authorized Signatory
(Report No. HZL/Maton/2026/03/423)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/424	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, D'strict- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-2 (Near Store) [Latitude:24.550812 Longitude:73.765597]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Fancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.22	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micromho/cm]	1802	IS 3025-1984 (Part 14) : RA 2019
3	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
4	Odour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
6	Total Dissolved Solids [mg/l]	1139	IS 3025 (Part 15) : 1984 RA 2017
7	Total Suspended Solid [mg/l]	28	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	550	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	116	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	63.18	IS 3025 (Part 46) : 1994 RA 2019
11	Total Alkalinity [mg/l]	558	IS 3025 (Part 23) : 1985 RA 2019
12	Chloride [mg/l]	261.92	IS 3025 (Part 32) : 1988 RA 2019
13	Fluoride [mg/l]	0.85	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	110.24	IS 3025 (Part 24) : 1986 RA 2019

Puran Mai Yogi
Puran Mai Yogi

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	16.72	4500-NO3- B , APHA 24th Edition
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Silica as SiO ₂ [mg/l]	32.21	4500-SiO ₂ C , APHA 24th Edition
24	Sodium as Na [mg/l]	170	IS 3025 (Part 45)
25	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
26	Phosphate [mg/l]	0.99	IS 3025 (Part 31)
27	Potassium as K [mg/l]	6	IS 3025 (Part 45)
28	Aluminium [mg/l]	Less than 0.01	3113 B, APHA 24th Edition
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019

Notes :-

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B. B. Agarwal
Senior Analyst

Pooja Malviya
Authorized Signatory

(Report No: HZL/Matn/2026/03/424)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/424	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-2 (Near Store) [Latitude:24.550612 Longitude:73.785597]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019

Notes :-

- # The results listed refer only to the test-d sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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Balram
Balram Arjwasi
Senior Analyst

Puran
Puran Mal Yogi
Authorized Signatory
(Report No. HZL/Maton/2026/03/424)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/425	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-3 (Near Maton Road) [Latitude:24.553058 Longitude:73.795893]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1967(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.02	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micromho/cm]	1919	IS 3025-1964 (Part 14) : RA 2019
3	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
4	Odour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
6	Total Dissolved Solids [mg/l]	1161	IS 3025 (Part 16) : 1984 RA 2017
7	Total Suspended Solid [mg/l]	31	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	510	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	120	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	51.03	IS 3025 (Part 46) : 1994 RA 2019
11	Total Alkalinity [mg/l]	580	IS 3025 (Part 23) : 1986 RA 2019
12	Chloride [mg/l]	241.92	IS 3025 (Part 32) : 1988 RA 2019
13	Fluoride [mg/l]	0.90	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	159.45	IS 3025 (Part 24) : 1986 RA 2019

Purnan Mal Yogi



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	39.14	4500-NO3- B , APHA 24th Edition
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Sodium as Na [mg/l]	139	IS 3025 (Part 45)
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019
25	Phosphate [mg/l]	0.42	IS 3025 (Part 31)
26	Potassium as K [mg/l]	6	IS 3025 (Part 45)
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019

Notes :-

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Balra
Balram Agarwal
Senior Analyst

Puram
Puram Yogi
Authorized Signatory
(Report No: HZL/Matoni/2026/03/425)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/425	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udalpur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-3 (Near Maton Road) [Latitude:24.552058 Longitude:73.795893]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part I)RA 2014
Quantity of Sample :	4 Lt.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica as SiO ₂ [mg/l]	34.40	4500-SiO ₂ C , APHA 24th Edition

Notes -

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Balraj
Senior Analyst

Purvi
Authorized Signatory
(Report No: HZL/Maton/2026/03/425)

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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/426	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Minas
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-4 (Near Main Gate) [Latitude:24.546838 Longitude:73.800952]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	FIR for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.12	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micromho/cm]	1940	IS 3025-1964 (Part 14) : RA 2019
3	Color (Hazen)	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
4	Odour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017
6	Total Dissolved Solids [mg/l]	1182	IS 3025 (Part 16) : 1984 RA 2017
7	Total Suspended Solid [mg/l]	15	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	550	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	152	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	41.31	IS 3025 (Part 43) : 1994 RA 2019
11	Total Alkalinity [mg/l]	580	IS 3025 (Part 23) : 1986 RA 2019
12	Chloride [mg/l]	259.91	IS 3025 (Part 32) : 1988 RA 2019
13	Fluoride [mg/l]	0.93	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	135.39	IS 3025 (Part 24) : 1986 RA 2010

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	46.15	4500-NO3- B . APHA 24th Edition
17	Zinc [mg/l]	0.10	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	0.61	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Sodium as Na [mg/l]	144	IS 3025 (Part 45)
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1935 RA 2019
25	Phosphate [mg/l]	0.39	IS 3025 (Part 31)
26	Potassium as K [mg/l]	5	IS 3025 (Part 45)
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019

Notes :-

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Baham Agarwal
Senior Analyst

Purushottam Singh
Authorized Signatory
(Report No. HZL/Maton/2026/03/426)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/426	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mnes
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-4 (Near Main Gate) [Latitude:24.546838 Longitude:73.800952]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 5025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Muran
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica as SiO ₂ [mg/l]	35.36	4500-SiO ₂ C, APHA 24th Edition

Notes :-

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Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/426)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/427	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-5 (Near Cpillar) [Latitude:24.544639- Longitude:73.795922]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	± Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.18	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micromho/cm]	1660	IS 3025-1964 (Part 14) : RA 2019
3	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1963 RA 2017
4	Ocour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1964 RA 2017
6	Total Dissolved Solids [mg/l]	998	IS 3025 (Part 16) : 1964 RA 2017
7	Total Suspended Solid [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	450	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	34.02	IS 3025 (Part 40) : 1994 RA 2019
11	Total Alkalinity [mg/l]	428	IS 3025 (Part 23) : 1986 RA 2019
12	Chloride [mg/l]	245.92	IS 3025 (Part 32) : 1988 RA 2019
13	Fluoride [mg/l]	0.80	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	99.28	IS 3025 (Part 24) : 1986 RA 2019

Puran Mal Yagi
Puran Mal Yagi



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RESULTS

S No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	20.89	4500-NO3- B , APHA 24th Edition
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Sodium as Na [mg/l]	140	IS 3025 (Part 45)
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1995 RA 2019
25	Phosphate [mg/l]	0.39	IS 3025 (Part 31)
26	Potassium as K [mg/l]	8.0	IS 3025 (Part 45)
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1988 RA 2019

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Purva
Purva Malhotra
Authorized Signatory
(Report No: HZL/Matrix/2026/03/427)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/427	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-5 (Near Cpillar) [Latitude:24.544699- Longitude:73.795927]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica as SiO ₂ [mg/l]	24.35	4500-SiO ₂ C , APHA 24th Edition

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram Agarwal
Balram Agarwal
Senior Analyst

[Signature]
Authorized Signatory
(Report No: HZL/Maton/2026/03/427)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/428	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	11.03.2026
Point of Collection :	Piezometer-6 (Near plantation Area) [Latitude:24.543913- Longitude:73.801566]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
1	pH	7.39	IS 3025 (Part 11) : 1983 RA 2017
2	Conductivity @ 25°C [micronho/cm]	1372	IS 3025-1984 (Part 14) : RA 2019
3	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017
4	Odour	Agreeable	IS 3025 (Part 5) : 2018
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017
6	Total Dissolved Solids [mg/l]	796	IS 3025 (Part 16) : 1984 RA 2017
7	Total Suspended Solid [mg/l]	17	IS 3025 (Part 17) : 1984 RA 2017
8	Total Hardness [mg/l]	42	IS 3025 (Part 21) : 2009 RA 2019
9	Calcium [mg/l]	116	IS 3025 (Part 40) : 1991 RA 2019
10	Magnesium [mg/l]	31.59	IS 3025 (Part 46) : 1994 RA 2019
11	Total Alkalinity [mg/l]	350	IS 3025 (Part 23) : 1986 RA 2019
12	Chloride [mg/l]	209.04	IS 3025 (Part 32) : 1983 RA 2019
13	Fluoride [mg/l]	0.72	IS 3025 (Part 60) : 2008 RA 2019
14	Sulphate [mg/l]	93.18	IS 3025 (Part 24) : 1986 RA 2019

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019
16	Nitrate [mg/l]	18.35	4500-NO3- B , APHA 24th Edition
17	Zinc [mg/l]	Less than 0.01	IS 3025 (Part 49) : 1994 RA 2019
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017
20	Iron as Fe [mg/l]	Less than 0.01	IS 3025 (Part 53) : 2003 RA 2019
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition
23	Sodium as Na [mg/l]	140	IS 3025 (Part 45)
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1996 RA 2019
25	Phosphate [mg/l]	0.42	IS 3025 (Part 31)
26	Potassium as K [mg/l]	7.1	IS 3025 (Part 45)
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1996 RA 2019

Notes -

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Bairam Agarwal
Senior Analyst

Purshottam Yogi
Purshottam Yogi
Authorized Signatory
(Report No: HZL/Match/2026/03/426)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/428	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring :	11.03.2026
Point of Collection :	Prozometer-6 (Near plantation Area) [Latitude:24.543913- Longitude:73.801586]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1997(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol
29	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019
30	Silica as SiO ₂ [mg/l]	29.42	4500-SiO ₂ C , APHA 24th Edition

Notes -

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Rajendra Agarwal
Senior Analyst

Rajendra Agarwal
Authorized Signatory
(Report No: HZL/Maton/2026/03/428)



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TEST REPORT

Report No./ULR No. :	11ZL/Maton/2026/03/422	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Bagdara Talav Village (Surface Water) [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2013) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.79	IS 3025 (Part 11) : 1933 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1060	IS 3025-1964 (Part 14) : RA 2019	-	-
3	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	1071	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	11	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	580	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	43.74	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	318	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	287.91	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Putra. Mal Yogi



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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
13	Fluoride [mg/l]	0.71	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	181.40	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	11.35	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.09	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	0.04	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.09	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Sodium as Na [mg/l]	119	IS 3025 (Part 45)	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Phosphate [mg/l]	2.40	IS 3025 (Part 31)	-	-
26	Potassium as K [mg/l]	16	IS 3025 (Part 45)	-	-
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- # Limit mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balra
Balram Agarwal
Senior Analyst

Purushottam
Purushottam Yogi
Authorized Signatory
(Rep. I No. HFL/Matoni/2023/03422)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/422	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Bagdara Talav Village [Surface Water] [Latitude:24.30'53" Longitude:73.46'32"]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
29	Silica as SiO ₂ [mg/l]	12.08	4500-SiO ₂ C , APHA 24th Edition	-	-
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc
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Balram Agarwal
Senior Analyst

Purnima Yogi
Authorized Signatory
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TEST REPORT

Report No./ULR No.:	HZL/Maton/2026/03/421	Date:	24.03.2026
Issued To:	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit:	Mines
Type of sample/ Discipline:	Ground Water/ Surface Water / Chemical	Date of Sample/ Collection/Monitoring	12.03.2026
Point of Collection:	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.893593]	Date of Receipt:	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan:	IS 3025:1987(Part1)RA 2014
Quantity of Sample:	4 Ltr.	Sample Collected By:	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample:	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
1	pH	7.54	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1830	IS 3025-1984 (Part 14) : RA 2019	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	1075	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	10	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	480	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	96	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	58.32	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	508	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	199.93	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Puran Mal Yogi
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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
13	Fluoride [mg/l]	0.81	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	140	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	16.39	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.12	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.07	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica as SiO2 [mg/l]	8.78	4500-SiO2 C , APHA 24th Edition	-	-
24	Sodium as Na [mg/l]	214	IS 3025 (Part 45)	-	-
25	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
26	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
27	Potassium as K [mg/l]	11	IS 3025 (Part 45)	-	-
28	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- * Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- * The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither intended nor implied.
- * This report may be reproduced in whole or in part and cannot be used as evidence in the courts of law without the consent of the issuing laboratory.
- * The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balraj
Balraj Agarwal
Senior Analyst

Pooja
Pooja Mal Yogi
Authorized Signatory
(Report No: HZL/Maton/2026/03/421)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/421	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.683593]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	'S 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Muran
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS10500: 2012
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report shall be a production of the laboratory and cannot be used as evidence in the court of law and should not be used in any legal proceedings without special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

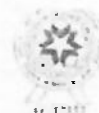
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Purna Mal Yogi
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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/419	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Nines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Non toxic	12.03.2026
Point of Collection :	Kanpur Village (Ground Water) [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.39	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1895	IS 3025-1964 (Part 14) : RA 2019	-	-
3	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	1131	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	10	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	420	IS 3025 (Part 21) : 2008 RA 2019	200.00	600.00
9	Calcium [mg/l]	86	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	48.0	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	304	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	331	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Pujan Mal Varma

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
13	Fluoride [mg/l]	0.95	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	152.38	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	44.35	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.05	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Silica as SiO ₂ [mg/l]	9.10	4500-SiO ₂ C , APHA 24th Edition	-	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Sodium as Na [mg/l]	222	IS 3025 (Part 45)	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
26	Potassium as K [mg/l]	15.9	IS 3025 (Part 45)	-	-
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1966 RA 2019	0.2(minimum)	1

Notes :-

- # Limit mentioned as per IS 10500:2012 is of drinking water. There is no prescribed limit for surface/ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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- # The samples will be destroyed after 15 days from the date of issue of test report, unless otherwise specified.

Sahinagarwal
Senior Analyst

Punit
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/419	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring :	12.03.2026
Point of Collection :	Kanpur Village [Ground Water] [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	13.03.2026
Date of Test/Analysis :	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
29	Iron as Fe [mg/l]	0.18	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # This report and our products are valid only when used in accordance with the conditions of use mentioned in the report and should not be used in any other media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

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Puran Mal Yogi
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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/415	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Kharwaria Village (Ground Water) [Latitude:24.563425 Longitude:73.790634]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.4	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	2930	IS 3025-1964 (Part 1.1) : RA 2019	-	-
3	Color (Hazen)	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids (mg/l)	1762	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid (mg/l)	15	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness (mg/l)	580	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium (mg/l)	160	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium (mg/l)	43.74	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity (mg/l)	250	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride (mg/l)	594.81	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Paran Singh



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RESULTS

S No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
13	Fluoride [mg/l]	0.92	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	343	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	42.35	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.03	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2005 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.04	IS 3025 (Part 53) : 2005 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Sodium as Na [mg/l]	372	IS 3025 (Part 45)	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
26	Potassium as K [mg/l]	2.0	IS 3025 (Part 45)	-	-
27	Aluminium [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- * Limit mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- * The results listed refer only to the tested sample(s) & parameters(s). Endorsement of products is neither inferred nor implied.
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Babbar
Senior Analyst

Purnima Yogi
Authorized Signatory
(Report No: HZL/Mater/2026/03/415)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/415	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Kharwana Village (Ground Water) [Latitude:24.553425 Longitude:73.790694]	Date of Receipt :	13.03.2026
Date of Test/Analysis.	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	1 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fil for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS10500: 2012
29	Silica as SiO ₂ [mg/l]	13.33	4500-SiO ₂ C , APHA 24th Edition	-	-
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc
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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/417	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Lakadwas Village [Ground Water] [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	1 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.39	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	2090	IS 3025-1964 (Part 14) : RA 2019	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 6) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	1221	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	10	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	560	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	160	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	43.74	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	320	IS 3025 (Part 23) : 1988 RA 2019	200.00	600.00
12	Chloride [mg/l]	301.00	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Puran Mai Yogi



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Email : director@teamtesthouse.com,
Email : marketing@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 2012
13	Fluoride [mg/l]	0.81	IS 3025 (Part 60) : 2006 RA 2019	1.00	1.50
14	Sulphate [mg/l]	220.67	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	23.98	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.02	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.03	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Sodium as Na [mg/l]	233	IS 3025 (Part 45)	-	-
24	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
26	Potassium as K [mg/l]	4.8	IS 3025 (Part 45)	-	-
27	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
28	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1996 RA 2019	0.2(minimum)	1

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied
- # This report is to be produced wholly or partially from the evidence on the court of law and should not be used in any advertising media without our special permission in writing
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balraj
Balraj Agarwal
Senior Analyst

Ravi Kumar
Authorized Signatory
(Report No: HZL/Water/2026/03/417)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/417	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring :	12.03.2026
Point of Collection :	Lakadwas Village (Ground Water) [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1997(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible Limits in the absence of Alternate Sources as per IS 10500:2012
29	Silica as SiO ₂ [mg/l]	14.31	4500-SiO ₂ C, APHA 24th Edition	-	-
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

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- * The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balraj
Balraj Agarwal
Senior Analyst

Purushottam
Purushottam
Authorized Signatory
(Report No: HZL/Maton/2026/03/417)



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TEST REPORT

Report No./ULR No. :	HZI/Maton/2020/03/414	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.51	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1405	IS 3025-1964 (Part 14) : RA 2019	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	601	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	10	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	508	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	104	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	69.26	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	302	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	177.94	IS 3025 (Part 32) : 1989 RA 2019	250.00	1000.00

Respected
Person in Charge



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Email : marketinglab@teamtesthouse.com

RESULTS

S No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
13	Fluoride [mg/l]	0.92	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	144.2	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	24.15	4500-NO3- B . APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.18	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.05	IS 3025 (Part 55) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica as SiO2 [mg/l]	7.84	4500-SiO2 C , APHA 24th Edition	-	-
24	Sodium as Na [mg/l]	64	IS 3025 (Part 45)	-	-
25	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
26	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
27	Potassium as K [mg/l]	4.0	IS 3025 (Part 45)	-	-
28	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition	0.03	0.2
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Bahra
Senior Analyst

[Signature]
Authorized Signatory
(Report No: HZL/Malon/2026/03/414)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/414	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.793235]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative.	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface (Ground water etc)
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Balraj Agarwal
Senior Analyst

Authorized Signatory
(Report No: HZL/Maton/2026/03/414)

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TEST REPORT

Report No /ULR No. :	HZL/Maton/2026/03/420	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Jaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Nakoll Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Panchola	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
1	pH	7.45	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1240	IS 3025-1984 (Part 14) : RA 2018	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	732	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	11	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	510	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	120	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	51.03	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	300	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	111.97	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Praveen
Praveen Mehta



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2016) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500:2012
13	Fluoride [mg/l]	0.91	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	134	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	15.24	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.06	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.05	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica as SiO2 [mg/l]	8.19	4500-SiO2 C , APHA 24th Edition	-	-
24	Sodium as Na [mg/l]	69	IS 3025 (Part 45)	-	-
25	Cyanide [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
26	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
27	Potassium as K [mg/l]	2.1	IS 3025 (Part 45)	-	-
28	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2 (minimum)	1

Notes :-

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # If a report is to be reproduced, the following conditions must be observed: determine the source of the report and do not use the name of the reporting media without our special permission in writing.
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Babita
Senior Analyst

Purvi
Authorized Signatory

(Report No: HZLN/aton/2026/03/420)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/420	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Nakoli Village (Ground Water) [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancho'ia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes -

- # Limits mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither intended nor implied.
- # This report should be reproduced without any modification and cannot be used as evidence in the court of law and should not be used for advertising media without our special permission in writing.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Purani
Purani Yogi
Authorized Signatory
(Report No: HZL/Maton/2026/03/420)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/419	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Umarda Village [Ground Water] [Latitude:24.538151 Longitude:73.795879]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Panchoia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.51	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	2090	IS 3025-1984 (Part 14) : RA 2019	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	1265	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	11	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	510	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	72.9	IS 3025 (Part 46) : 1994 RA 2019	50.00	100.00
11	Total Alkalinity [mg/l]	518	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	257.92	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Puren Mal
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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
13	Fluoride (mg/l)	0.95	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate (mg/l)	202.15	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper (mg/l)	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate (mg/l)	23.35	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc (mg/l)	0.03	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead (mg/l)	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn (mg/l)	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe (mg/l)	0.04	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) (mg/l)	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) (mg/l)	Less than 5	5220-C , APHA 24th Edition	-	-
23	Sodium as Na (mg/l)	226	IS 3025 (Part 45)	-	-
24	Cyanide (mg/l)	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Phosphate (mg/l)	Less than 0.5	IS 3025 (Part 31)	-	-
26	Potassium as K (mg/l)	17.8	IS 3025 (Part 45)	-	-
27	Aluminum (mg/l)	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
28	Residual chlorine (mg/l)	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- # Limits mentioned as per IS 10500:2012 is for Drinking water. There is no prescribed limit for Surface/Ground water etc
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Babbar Anwar
Senior Analyst

Pooja Maton
Authorized Signatory
(Report No: IZL/Maton/2026/03/18)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/418	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	mine
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection-Monitoring	12.03.2026
Point of Collection :	Umarda Village (Ground Water) [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025.1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2016) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS10500: 2012
29	Silica as SiO ₂ [mg/l]	22.31	4500-SiO ₂ C, APHA 24th Edition	-	-
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes -

- # Limit mentioned as per IS 10500:2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balraj
Balraj Arora
Senior Analyst

Pooja
Pooja Mishra
Authorized Signatory
(Report No: HZL/Maton/2026/03/418)



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Email : marketing@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/41G	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED (Maton Mines) Rockphosphate Maton Mine P.O. -Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Maton Village (Ground Water) [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fil for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500:2012 (RA 2018) Max	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
1	pH	7.83	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
2	Conductivity @ 25°C	1370	IS 3025-1964 (Part 14) : RA 2019	-	-
3	Color [Hazen]	Less than 1	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
4	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	Agreeable
5	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	Agreeable
6	Total Dissolved Solids [mg/l]	832	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Total Suspended Solid [mg/l]	11	IS 3025 (Part 17) : 1984 RA 2017	-	-
8	Total Hardness [mg/l]	460	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
9	Calcium [mg/l]	124	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	36.45	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
11	Total Alkalinity [mg/l]	224	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
12	Chloride [mg/l]	109.96	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Praveen
Praveen Malhotra



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500: 2012
13	Fluoride [mg/l]	0.92	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
14	Sulphate [mg/l]	252.41	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Copper [mg/l]	Less than 0.01	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
16	Nitrate [mg/l]	40.34	4500-NO3- B , APHA 24th Edition	45.00	-
17	Zinc [mg/l]	0.05	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
18	Lead [mg/l]	Less than 0.01	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
19	Manganese as Mn [mg/l]	Less than 0.01	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
20	Iron as Fe [mg/l]	0.06	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
21	Biochemical Oxygen Demand (BOD) [mg/l]	Less than 1.0	IS 3025 (Part 44) : 1993 RA 2019	-	-
22	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220-C , APHA 24th Edition	-	-
23	Silica as SiO2 [mg/l]	6.32	4500-SiO2 C , APHA 24th Edition	-	-
24	Sodium as Na [mg/l]	91	IS 3025 (Part 46)	-	-
25	Cyanide [mg/l]	Less than 0.01	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
26	Phosphate [mg/l]	Less than 0.5	IS 3025 (Part 31)	-	-
27	Potassium as K [mg/l]	5.0	IS 3025 (Part 45)	-	-
28	Aluminum [mg/l]	Less than 0.01	3113 B, APHA 24th Edition:	0.03	0.2
29	Residual chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1

Notes :-

- # Limits mentioned as per IS 10500 2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balra
Senior Analyst

P. P. Singh
Authorized Signatory
(Report No: HZL/1230/2026/03/416)



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TEST REPORT

Report No./ULR No. :	HZL/Maton/2026/03/416	Date :	24.03.2026
Issued To :	M/S HINDUSTHAN ZINC LIMITED [Maton Mines] Rockphosphate Maton Mine P.O. - Maton, District- Udaipur (Rajasthan)	Type of Unit :	Mines
Type of sample/ Discipline :	Ground Water/ Surface Water / Chemical	Date of Sample Collection/Monitoring	12.03.2026
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	13.03.2026
Date of Test/Analysis:	13.03.2026 to 24.03.2026	Sampling Plan :	IS 3025:1987(Part1)RA 2014
Quantity of Sample :	4 Ltr.	Sample Collected By :	Krishna Murari
Unit's representative:	Mr. Madhukar Pancholia	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 :2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS10500: 2012
30	Mineral Oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

Notes :

- # Lim is mentioned as per IS 10500 2012 is of Drinking water. There is no prescribed limit for Surface/Ground water etc.
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Balram Agarwal
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Senior Analyst

Krishna Murari
Authorized Signatory
(Report No: HZL/Maton/2026/03/416)

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