

Registered AD

Ref: HZL/ Maton /MoEF/2025-26/35

Date: 28.11.2025

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 April'25 to Sept'25.**

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 **April'25 to Sept'25.**

Thanking you.

Yours Sincerely,

**For Maton Rock Phosphate Mine**



**( Ravi Kumar Dave )**  
**Mine Manager**

- CC to :
1. Scientist 'D' & In-Charge (Zonal Office), Central Pollution Control Board, Zonal Office (Central), 3<sup>rd</sup> 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:** April 25 to Sept 25

### **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 ( <b>Annexure 1</b> ).
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 ( <b>Annexure 2A &amp; 2B</b> ).
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 <sup>st</sup> order and 2 <sup>nd</sup> 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 <sup>st</sup> 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 up to 31 March 2025. 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 ( <b>copy of letter for NoC is enclosed as Annexure -4</b> ).
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 <b>Annexure – 5.</b>
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

S.No.	Conditions	Compliance Status
	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	Compliance Status
	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.

S.No.	Conditions	Status
	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 8,55,680/-
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.

S.No.	Conditions	Compliance Status
	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 <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> 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 <sub>10</sub> ) & NO <sub>x</sub> 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 <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>x</sub> , NO <sub>x</sub> 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 <sub>10</sub> ) & NO <sub>x</sub> 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 <sup>th</sup> May, 1993 and 31 <sup>st</sup>	There is no workshop in the lease area and hence no industrial effluent generated from the project site.

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 <sup>st</sup> 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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> 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).





Annex L

11/20/2011 11:20:00 AM

ਅੰਤਰਿਕਸ਼ਿਕਾ ਸਿੰਘ, ਆਪਣੇ ਪੁੱਤਰ ਦੀ ਭਰਪੂਰ ਸਹਾਇਤਾ ਨਾਲ

[illegible]

1 2 3 4 5 6 7 8 9 10 11 12

यह प्रमाणित किया जाता है कि मैसर्स हिन्दुस्तान लिमिटेड को यहाँ से स्वीकृत खनिज पट्टा संख्या 06/29 नवी 14/2009 निकट याम मन्त्रालय द्वारा जारी किया जा रहा है।

4416 JOURNAL OF CLIMATE

॥ श्रीगणेशाय नमः ॥  
 ॥ श्रीगणेशाय नमः ॥

১৯৭৭ সালের  
 ১৯৭৭ সালের ১৯৭৭ সালের ১৯৭৭

आयालय भूमि अवाप्ति अधिकारी,  
उदयपुर-सलुम्बर, राजसमन्द  
क्रमांक :- 25/76

उत्तर

सब-डिविजन  
दिनांक 25-2-80 140

अवार्ड

( मन्तव्य भाग 11, राजस्थान भूमि अवाप्ति अधिनियम, सन् 1953 )  
विषय :- हिन्दुस्तान जिक लि० के कार्य में आने वाली भूमि को अवाप्त करने हेतु ।

प्राप्त की अवलोकन की गई। हिन्दुस्तान जिक लि० तथा फतहपुरा, उदयपुर की शाखा जावर/मदन/दरीवा माईस के लिए भूमि अवाप्ति दावेत राज्य सरकार से राजस्थान भूमि अवाप्ति अधिनियम, सन् 1953 की धारा 4 की विधिगत सविन विभाग द्वारा जरिये नम्बर अवार्ड गुप्त-3 दि. 13-6-73 को प्राप्त हो जाने से भूमि अवाप्ति अधिकारी गिरवा/सलुम्बर/राजसमन्द की धारा 4 जरिये नं. 13-6-73 दिनांक 13-6-73 की सांख्यिक स्थानों पर प्रकाशित हो चुकी है और इस दायित्व में काबिजान भूमि से आपसी समझौता पर बातचीत की गई जो आपसी समझौते से अवाप्त होने वाली भूमि का एवजाना लेने के लिए राजसमन्द है ।

उपरोक्त प्रकरण में निम्नलिखित आसामियान की भूमि अवाप्त हो रही है । इस भूमि की सर्वे की गई, जिसका विवरण निम्नलिखित है :-

नाम गांव	गांव तहसील	खसरा नं.	रकबा		किस्त भूमि	समान	विवरण
			बीघा	बिस्वा			
1	2	3	4	5	6	7	8
मदन	गिरवा	1477	8-	00	अज्ञात	1-00	

माली कागजात से इस भूमि के मालिक और काबिजान की जांच कराई गई तो पता गया कि अवाप्ति होने वाली भूमि जिसका विवरण ऊपर दिया गया है श्री गुप्त पंचामन मदन पिता श्री जाति निवासी तहसील गिरवा के नाम पर इम्तज है जिसकी तस्दीक तहसीलदार सा. गिरवा/सलुम्बर/राजसमन्द ने की है और उन्होंने यह भी प्रमाणित किया है कि अवाप्ति श्री गुप्त पंचामन मदन के नाम जारी किया जावे ।

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

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

स अवाप्ति नियमावली प्रपत्र 10 (भूमि प्राप्ति नियमावली अनुच्छेद 96)

राजी नामा विश्वनाथ

मैं/हम.....उपस्थित.....तत्कालीन.....राज्यपाल.....(राज्यपालों पर हस्ताक्षर करने वाले पक्ष विशेष) एवं/द्वारा निम्न निम्नलिखित निर्दिष्ट भूमि की अदायगी और सुधारों की रकम के लिए अपनी सहमति प्रकट करते हैं और किसी तरह का हथौड़ा द्वारा उठाया हुआ धावा या हमारी कोई अधिक याग (स्लेम) किसी कथन पर धार्य की गई, सुरक्षित रह सकती है।

जिला	तहसील	गांव	जायदाद/ हक का विवरण	मुआवजे का विवरण	
				वार्षिक अदायगी लगान जो छूट होया	नकद मुआवजा
उत्तराखण्ड	गढ़वाल	गढ़वाल	1477 8.00 माली	1.00	
				इसमें 5 सीधी	97/- 7200-00
				4.7	11750-50
				कुछ	3850-00
				शामिल	15405 80
				Ramli 4/1/20	C.A. & साहिब प्र. नं. 26
					PROJECT MANAGER
					हिन्दुस्तान जिंक लिमिटेड ( गारमन्ट सेक्टर का उपक्रम ) ग्रुप ऑफिस - गाझियाबाद पोस्ट बॉक्स नं. 11 म. महाराष्ट्र दिनांक 22/3/24
				अतिरिक्त मा. मपजिलाधिकारी 4-1/2024 उद्देश्य	साहिब वि. म. पञ्चमन गुरु का. र. जिला महाराष्ट्र

सिद्धान्तः - यद्यपि सप्त वैष्णव्यं अथि पर भण्डों में या अतः २ प्रमाण किये जाते हैं या जब वृक्ष बिना मुद्रायजा



राजस्थान सरकार  
राजस्थान, राजस्थान

विषय:- समस्त जिला  
राजस्थान

क्रमांक:- अ. 53 राज-6/86/1

संयुक्त, दिनांक:- 15.2.97

विषय:- भूमि अधिग्रहण अधिनियम, 1994 के अन्तर्गत अधिग्रहण भूमि  
के सेट आर्ट करने या न करने के बारे में।

महोदय,

केन्द्रीय भूमि अधिग्रहण अधिनियम, 1994 के अन्तर्गत राज्य-स्तरीय  
पर विभिन्न प्रशासनिक कार्यों के प्रयोजनार्थ भूमि अधिग्रहण का प्रारम्भ  
है। संबंधित विभाग द्वारा अधिग्रहण के प्रारम्भ के अन्तर्गत भूमि का  
अर्बाई करने के लिए तत्काल व्यवस्थापन को भूमि का अधिग्रहण अर्बाई करने के  
परिचाय भूमि का कच्चा संबंधित विभाग द्वारा ले लिया जाता है।

अब प्रश्न यह उत्पन्न होता है कि क्या यह भूमि को राजस्थान  
भू-राजस्व अधिनियम, 1996 के अन्तर्गत सेट आर्ट करने के  
अधिकार प्राप्त करने की आवश्यकता है, या नहीं।

उक्त संबंध में यह स्पष्ट होना चाहिए कि भूमि अधिग्रहण अधिनियम, 1994 के अन्तर्गत अधिग्रहण का प्रारम्भ  
जो भी ऐसी भूमि को जहाँ सेट आर्ट करने के लिए अधिग्रहण अधिनियम के अन्तर्गत  
अधिकार की आवश्यकता नहीं होती है, अर्थात् भूमि अधिग्रहण अधिनियम के अन्तर्गत  
अधिकार एक बार भूमि अधिग्रहण अधिनियम के अन्तर्गत अधिग्रहण का प्रारम्भ  
है।

संयुक्त, राजस्थान  
राजस्थान सरकार

संयुक्त, राजस्थान - निम्न लिखित की उपस्थिति एवं आवश्यक कार्रवाई के अंतर्गत है:-  
1. निम्नलिखित, राजस्थान सरकार, राजस्थान, राजस्थान

राजस्थान, राजस्थान

3631  
27.2.97  
अ. 53  
26/2/97

अ. 53  
3/3

173  
28.2.97



ATTN 6x3



**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 1.31m<sup>3</sup>/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 1.31m<sup>3</sup>/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 2.62m<sup>3</sup>/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 1.31m<sup>3</sup>/day or 480m<sup>3</sup>/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](http://www.hzindia.com)

inside the project area. As per the report, the recharge measures for 41876m<sup>3</sup>/year quantity could be implemented. The total groundwater recharge obligation is 15560m<sup>3</sup>/year which comprises the quantities of (i) abstraction of groundwater 14600 i.e. (7300\*2) m<sup>3</sup>/year and (ii) abstraction of groundwater due to dewatering 960 i.e. (480\*2) m<sup>3</sup>/year. The above recharge measures of 41876m<sup>3</sup>/year are 5-6 times of 7780 m<sup>3</sup>/year of the abstracted quantity.

We humbly request you to kindly consider our application and grant us the NOC for 1.31m<sup>3</sup>/day ground water abstraction by dewatering.

With regards

(Amar Singh Gohil) **Manager (Mines)**  
Mines Manager **Hindustan Zinc Ltd.**  
**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 Chirawa Dist. Udaipur
Letter Reference No. and Date	HZL/Maton/CAWA/mining new/2014-7542 14/7/2014
Subject	APPL for Grant of NOC to abstract 1.31 m <sup>3</sup> /day Village Maton Tehsil, Chirawa Dist. Udaipur
Dated signatures of diaris/dispatcher (CGWB, WR, 6-A, Jhalana Doongri, Jaipur 302 004)	see
Remarks if any	Chk 16/7/14



ANNEXURE 2

ANNEXURE 2

HINDUSTAN ZINC LIMITED  
Maiton Rock Phosphate Mine  
Tehsil- Girwa, Distt. Udaipur- 315004 (Raj)  
Phone : 0294-2342093

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-11015/169/2009-1A.II) (M) Dated 17.03.2010

Sir,

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 Maiton Mines" from Hydco-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 Kampur  
Anicut No.5 near village Dandia

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

Thanking you

Yours truly,

(Hemant Sharma)

Mine Manager





ATTN: 5



Ref: HZL Maton RSPCB/2015-16/65

Date: 18.09.2015

To,

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

Sub: 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.

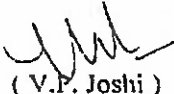
Further, HZL has entered into a tripartite agreement with Municipal Council Udaipur and Urban Improvement Trust Udaipur for laying of Sewage Trunk Line from Udaipur city to STP to divert sewage of city from entering into Ahar River and thereby avoiding pollution from entering into it. This 20 MLD STP 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] 2342092, Fax : + [91-294]-2342092  
Registered Office - Yashad Bhawan, Udaipur (Rajasthan) - 313004  
www.hzlinia.com  
CIN : L27204RJ1966PLC001208

Thanking you.

Yours sincerely,



( V.P. Joshi )

G.M. & Unit Head **Unit Head**

**Hindustan Zinc Ltd.**

**Maton 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.

3. Office Copy (Env. Cell)



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

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

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 20m<sup>3</sup>/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 200m<sup>3</sup>/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, 180m<sup>3</sup>/day of treated water for industrial activities and 20 m<sup>3</sup>/day of groundwater for domestic purposes. Accordingly a fresh application for grant of permission for 20 m<sup>3</sup>/day or 7300m<sup>3</sup>/year groundwater abstraction is submitted herewith.

Regd. Office: Yashad Bhawan, Udaipur (Rajasthan) - 313004  
 Corporate Identity No. (CIN): L27204RJ1966PLC001208, Website: [www.hzlinia.com](http://www.hzlinia.com)

To optimise the groundwater resources, we engaged M/s Water Solutions, New Delhi to propose rainwater harvesting/recharge schemes, for  $40\text{m}^3/\text{day}$  or  $14600\text{m}^3/\text{year}$ , equivalent to 200% of the abstracted quantity. As per the report, recharge measures to the tune of  $41876\text{m}^3/\text{year}$  quantity could be implemented for the runoff generated inside the project area. It is pertinent to mention that out of  $143.13\text{Ha}$  lease, area of  $116.49\text{Ha}$  not covered in the above recharge schemes, will contribute to in-situ recharge of  $36345\text{m}^3/\text{year}$ .

Thus the total groundwater recharge obligation is  $15560\text{m}^3/\text{year}$  which comprises the quantities of (i) abstraction of groundwater  $14600$  i.e.  $(7300 \times 2)\text{m}^3/\text{year}$  and (ii) abstraction of groundwater due to dewatering  $960$  i.e.  $(480 \times 2)\text{m}^3/\text{year}$ . The above recharge measures of  $41876\text{m}^3/\text{year}$  are 5-6 times of  $7780\text{m}^3/\text{year}$  of the abstracted quantity.

We humbly request you to kindly consider our application and grant us the NOC for  $20\text{m}^3/\text{day}$  ground water abstraction.

With regards

(Amar Singh 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 Limit. Maton Rock Phosphate mines Guhawa Dist. Udaipur
Letter Reference No. and Date	HZL/maton (CGWB)/maton/2014-15-43 14/7/14
Subject	Application for Grant of NOC, for abstract 20 m <sup>3</sup> /day. Village Maton Tehsil Guhawa Dist. Udaipur
Dated signatures of diaris/dispatcher (CGWB, W.R. 6-A, Jhalana Doongri, Jaipur 302 004)	
Remarks if any	16/7/14



Fig : Wet Drilling





कार्यालय उप वन संरक्षक, उदयपुर (उत्तर)

क्रमांक-प ( ) रावे/उपरा/उत्तर/ ८८१५ दिनांक १५-१२-८९


माईन्स मेमोर  
हिन्दूस्तान जिंक लिमिटेड  
मटून माईन्स  
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 Maton Mines (ML No. 6/89) Near village Maton, Tehsil Girwa, Distt. Udaipur (Raj.)

परामर्श :- आपका प्रार्थना पत्र क्रमांक गिल HZL/Matun/env/09/ दिनांक 16.11.2009

महोदय,

अपराध विषयान्तर्गत प्रासांगिक प्रार्थना पत्र के कम में लिखा जाता है कि आपका क्षेत्र न एमएल 06/1989 के कोर एवं बफर क्षेत्रों के 10 कि.मी. सीमा में नेशनल पार्क (एनपी) बायोस्फीयर रिजर्व (बीएसएफ) लाइफ कोरिडोर एंडावर, एलिफेन्ट रिजर्व विद्यमान नहीं है।

भवदीय  
  
उप वन संरक्षक  
उदयपुर (उत्तर)

कार्यालय उप वन संरक्षक, उदयपुर (उत्तर)

क्रमांक-प. ( ) सर्वे/उवस/उत्तर/ 6095

दिनांक : 14-12-09

माईन्स मैनेजर  
हिन्दूस्तान जिंक लिमिटेड  
मटून माईन्स  
उदयपुर

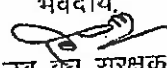
विषय :- Authentention of flora and fauna in core & Buffer zone of Matun Mines  
(ML. No. 6/89) near village Matun tehsil Girwa Distt. Udaipur (Raj.)

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 प्लोरा एवं फोना की सूचीयां आवश्यक कार्यवाही हेतु संलग्न प्रस्तुत है।

संलग्न:- उपरोक्तानुसार।

भवदीय  
  
उप वन संरक्षक  
उदयपुर (उत्तर)

# **AMBIENT AIR**





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

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

## TEST REPORT

Report No./ULR No. :	25400001218	Date :	09-07-2025
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 :	23-06-2025 10:46 to 24-06-2025 10:46
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	27-06-2025
Date of Test/Analysis :	27-06-2025 to 09-07-2025	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
1	Carbon Monoxide [microgram/m3]	290	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.18	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.43	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	36.86	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	6.4	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	66.7	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.

*Puran*  
**Puran Mai Yogi**

*Rajesh*  
**Rajesh Maheshwari**



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

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

### TEST REPORT

Report No./ULR No. :	400001218	Date :	09-07-2025
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 :	23-06-2025 10:46 to 24-06-2025 10:46
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	27-06-2025
Date of Test/Analysis :	27-06-2025 to 09-07-2025	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 <sub>2</sub> ] [%]	3.67	CPCB Guidelines	Not specified
8	Phosphate [microgram/m <sup>3</sup> ]	0.38	TTH/AAQM/11	Not specified

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.

*Puran Mai Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: 400001218 )



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

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

## TEST REPORT

Report No./ULR No. :	25400001219	Date :	09-07-2025
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 :	22-06-2025 10:37 to 23-06-2025 10:37
Point of Collection :	kharwaria Village [Latitude:24.33'9" Longitude:73.47'3"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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
1	Carbon Monoxide [microgram/m3]	230	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.35	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	27.9	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]	59.42	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.

*Puran*  
**Puran Mai Yogi**

*Rajesh*  
**Rajesh Maheshwari**



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

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

## TEST REPORT

Report No./ULR No. :	400001219	Date :	09-07-2025
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 :	22-06-2025 10:37 to 23-06-2025 10:37
Point of Collection :	kharwaria Village [Latitude:24.33'9" Longitude:73.47'3"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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 <sub>2</sub> ] [%]	3.75	CPCB Guidelines	Not specified
8	Phosphate [microgram/m <sup>3</sup> ]	0.32	TTH/AAQM/11	Not specified

### 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.

*Purani*  
Senior  
Purani Mohi Yogi

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001219 )





# 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, Chitranjan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

## TEST REPORT

Report No./ULR No. :	25400001220	Date :	09-07-2025
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 :	22-06-2025 10:39 to 23-06-2025 10:39
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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
1	Carbon Monoxide [microgram/m3]	210	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.24	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	23.56	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]	54	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.

*Puran*  
**Puran Mai Yogi**

*Rajesh*  
**Rajesh Maheshwari**



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

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

### TEST REPORT

Report No./ULR No. :	400001220	Date :	09-07-2025
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 :	22-06-2025 10:39 to 23-06-2025 10:39
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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 <sub>2</sub> ] [%]	2.87	CPCB Guidelines	Not specified
8	Phosphate [microgram/m <sup>3</sup> ]	0.31	TTH/AAQM/11	Not specified

#### 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.

Puran Mai Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001220 )



**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, Chitranganj 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 : marketinglab@teamtesthouse.com

**TEST REPORT**

Report No./ULR No. :	25400001221	Date :	09-07-2025
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 :	22-06-2025 10:41 to 23-06-2025 10:41
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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
1	Carbon Monoxide [microgram/m3]	220	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.13	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.03	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	27.52	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]	66.67	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.

*Puran*  
**Puran Mai Yogi**

*Rajesh*  
**Rajesh Maheshwari**



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

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

## TEST REPORT

Report No./ULR No. :	400001221	Date :	09-07-2025
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 :	22-06-2025 10:41 to 23-06-2025 10:41
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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 <sub>2</sub> ] [%]	3.23	CPCB Guidelines	Not specified
8	Phosphate [microgram/m <sup>3</sup> ]	0.37	TTH/AAQM/11	Not specified

**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.

  
**Puran Mal Yogi**  
Senior Analyst

  
**Rajesh Maheshwar**  
Authorized Signatory  
(Report No: 400001221)



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

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

## TEST REPORT

Report No./ULR No. :	25400001222	Date :	09-07-2025
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 :	23-06-2025 10:42 to 24-06-2025 10:42
Point of Collection :	Umarda Village [Latitude:24.535395 Longitude:73.803885]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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
1	Carbon Monoxide [microgram/m3]	240	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.22	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	23.96	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]	56.49	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.

*Puran*  
Puran Mai Yogi

*Rajesh*  
Rajesh Maheshwari



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

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

## TEST REPORT

Report No./ULR No. :	400001222	Date :	09-07-2025
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 :	23-06-2025 10:42 to 24-06-2025 10:42
Point of Collection :	Umarda Village [Latitude:24.535395 Longitude:73.803885]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 09-07-2025	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 <sub>2</sub> ] [%]	2.96	CPCB Guidelines	Not specified
8	Phosphate [microgram/m <sup>3</sup> ]	0.45	TTH/AAQM/11	Not specified

### 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.

Puran Mai Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001222 )



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

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

## TEST REPORT

Report No./ULR No. :	25400001766	Date :	03-10-2025
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 :	22-09-2025 14:29 to 23-09-2025 14:30
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra 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]	360	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.17	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	14.45	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	35.89	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m3]	6.12	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM 10) [microgram/m3]	76.06	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.

**Purni Mal Yogi**  
Senior Analyst

**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: 25400001766 )





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

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

### TEST REPORT

Report No./ULR No. :	400001766	Date :	03-10-2025
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 :	22-09-2025 14:29 to 23-09-2025 14:30
Point of Collection :	Mine Lease Area [Latitude:24.542356 Longitude:73.796461]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra 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 [SiO <sub>2</sub> ] [%]	3.89	CPCB Guidelines	-
8	Phosphate [microgram/m <sup>3</sup> ]	0.46	TTH/AAQM/11	-

#### 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

Authorized Signatory  
(Report No: 400001766 )





# TEAM TEST HOUSE

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



RSPCB

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25400001767	Date :	03-10-2025
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 :	21-09-2025 15:37 to 22-09-2025 15:37
Point of Collection :	kharwaria Village [Latitude:24.33°N Longitude:73.47°E]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashna 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 <sup>3</sup> ]	310	TTH/AAQM/08	4000
2	Lead [microgram/m <sup>3</sup> ]	0.15	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO <sub>2</sub> [microgram/m <sup>3</sup> ]	13.36	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM <sub>2.5</sub> ) [microgram/m <sup>3</sup> ]	29.36	IS 5182 (Part 24) : 2019	60.00
5	Sulphur Dioxide [microgram/m <sup>3</sup> ]	Less than 6.0	IS 5182 (Part 2) : 2001 RA 2017	80.00
6	Particulate Matter (PM <sub>10</sub> ) [microgram/m <sup>3</sup> ]	62.04	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.

*Puran Mai Yogi*  
Senior Analyst

*Krashna Murari*  
Authorized Signatory  
(Report No: 25400001767)



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

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

### TEST REPORT

Report No./ULR No. :	400001767	Date :	03-10-2025
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 :	21-09-2025 15:37 to 22-09-2025 15:37
Point of Collection :	kharwaria Village [Latitude:24.33'9" Longitude:73.47'3"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra 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 [SiO <sub>2</sub> ] [%]	3.91	CPCB Guidelines	-
8	Phosphate [microgram/m <sup>3</sup> ]	0.39	TTH/AAQM/11	-

#### 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

Rakesh Maheshwari  
Authorized Signatory  
(Report No: 400001767 )



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

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

## TEST REPORT

Report No./ULR No. :	25400001768	Date :	03-10-2025
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 :	21-09-2025 15:38 to 22-09-2025 15:38
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra 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]	290	TTH/AAQM/08	4000
2	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.6	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	28.2	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]	57.25	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.

Purni Mei Yogi  
Senior Analyst

Rajesh Maheshwar  
Authorized Signatory  
(Report No: 25400001768 )



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

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

## TEST REPORT

Report No./ULR No. :	400001768	Date :	03-10-2025
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 :	21-09-2025 15:38 to 22-09-2025 15:38
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra 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 [SiO <sub>2</sub> ] [%]	2.71	CPCB Guidelines	-
8	Phosphate [microgram/m <sup>3</sup> ]	0.37	TTH/AAQM/11	-

### 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

Authorized Signatory  
(Report No: 400001768)



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

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

## TEST REPORT

Report No./ULR No. :	25400001769	Date :	03-10-2025
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 :	21-09-2025 15:39 to 22-09-2025 15:39
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashna 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]	320	TTH/AAQM/08	4000
2	Lead [microgram/m3]	Less than 0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.83	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	23.79	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]	55.19	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.

**Puran Mai Yogi**  
Senior Analyst

**Rajesh Choudhary**  
Authorized Signatory  
(Report No: 25400001769)



# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

## TEST REPORT

Report No./ULR No. :	400001769	Date :	03-10-2025
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 :	21-09-2025 15:39 to 22-09-2025 15:39
Point of Collection :	Lakadwas Village [Latitude:24.33'32" Longitude:73.48'21"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashna 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 [SiO <sub>2</sub> ] [%]	2.97	CPCB Guidelines	-
8	Phosphate [microgram/m <sup>3</sup> ]	0.32	TTH/AAQM/11	-

### 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.

Purnima Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 400001769 )



# TEAM TEST HOUSE

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



RSPCB

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25400001770	Date :	03-10-2025
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 :	22-09-2025 15:40 to 23-09-2025 15:40
Point of Collection :	Umarda Village [Latitude:24.535395 Longitude:73.803885]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashna 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	4000
2	Lead [microgram/m3]	0.17	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
3	Nitrogen Dioxide as NO2 [microgram/m3]	13.55	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
4	Particulate Matter (PM2.5) [microgram/m3]	29.71	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]	77.96	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.

*Puran Mei Yogi*  
Senior Analyst

*Balish Maheshwari*  
Authorized Signatory  
(Report No: 25400001770 )





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

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

**TEST REPORT**

Report No./ULR No. :	400001770	Date :	03-10-2025
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 :	22-09-2025 15:40 to 23-09-2025 15:40
Point of Collection :	Umarda Village [Latitude:24.535395 Longitude:73.803885]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
Unit's representative :	Mr Madhukar Pancholla	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 <sub>2</sub> ] [%]	3.17	CPCB Guidelines	-
8	Phosphate [microgram/m <sup>3</sup> ]	0.31	TTH/AAQM/11	-

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

  
Authorized Signatory  
(Report No: 400001770 )



ANNEXURE 10

# **AMBIENT NOISE**





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

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

## TEST REPORT

Report No./ULR No. :	25600000986	Date :	09.07.2025
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	24.06.2025
Point of Collection	Mine Lease Area	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	59.5	55.2	46.5	58.0
2	7-8 AM	58.3	54.3	47.8	56.1
3	8-9 AM	61.2	57.6	50.2	59.6
4	9-10 AM	60.5	56.7	49.6	58.7
5	10-11 AM	63.5	59.4	51.4	61.8
6	11-12 AM	62.4	57.4	52.1	59.2
7	12-13 PM	63.7	59.2	53.2	61.0
8	13-14 PM	68.6	61.4	48.9	67.9
9	14-15 PM	65.3	60.2	48.5	64.9
10	15-16 PM	66.5	61.4	53.2	64.3
11	16-17 PM	68.2	62.4	56.4	64.7
12	17-18 PM	66.7	63.5	57.8	64.8
13	18-19 PM	62.3	57.8	52.3	59.5
14	19-20 PM	61.4	58.2	53.5	59.2
15	20-21 PM	65.2	59.6	54.5	61.5
16	21-22 PM	63.4	58.4	53.5	60.0
Leq Day (Leq = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					61.3

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 cannot 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.

*Puran Mai Yogi*  
Senior Analyst

*Rajesh Manishwar*  
Authorized Signatory  
(Report No: 25600000986)



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

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

## TEST REPORT

Report No./ULR No. :	25600000986	Date :	09.07.2025
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	24.06.2025
Point of Collection	Mine Lease Area	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	47.3	58.3	50.6	48.5	52.2
2	46.6	59.5	52.3	46.7	55.0
3	47.2	58.6	51.4	48.3	53.2
4	49.5	60.5	48.9	45.2	52.8
5	46.3	59.4	52.4	47.4	54.8
6	45.2	61.6	53.2	48.5	56.1
7	46.5	59.8	50.4	48.6	52.5
8	48.7	58.2	51.3	46.9	53.4
Leq Night (Leq = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					53.7
Day-Night Sound Level (L <sub>dn</sub> )= 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night +10)/10)]}					62.3

### 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 :-

- # 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 cannot 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.

Puran  
Puran Mai Yogi  
Senior Analyst

Rajesh  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 25600000986)



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

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

## TEST REPORT

Report No./ULR No. :	25600000987	Date :	09.07.2025
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	23.06.2025
Point of Collection	Kharwaria village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	Sampling Plan :	TTH/NOISE/01 [IS : 9889]
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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	58.6	45.2	42.5	49.5
2	7-8 AM	55.4	48.3	43.2	50.8
3	8-9 AM	58.4	45.2	42.7	49.3
4	9-10 AM	57.3	47.3	45.2	49.7
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	58.2	54.5	45.4	57.2
8	13-14 PM	61.5	50.5	47.5	53.8
9	14-15 PM	57.8	51.2	46.3	53.4
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	60.5	48.4	43.2	53.4
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 =L50 + [(L10 – L90) <sup>2</sup> /60 ])					52.3

Notes :-

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 cannot 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.

*Purushottam*  
Purushottam Yogi  
Senior Analyst

*Ray*  
Rajendra Chandra  
(Report No: 25600000987)



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

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

## TEST REPORT

Report No./ULR No. :	25600000987	Date :	09.07.2025
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	23.06.2025
Point of Collection	Kharwaria village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	22-23 PM	48.9	40.6	40.8	41.7
2	23-24 PM	47.3	41.8	39.2	42.9
3	0-1 AM	48.9	39.6	40.5	40.8
4	1-2 AM	50.7	41.2	41.2	42.7
5	2-3 AM	51.5	40.3	37.4	43.6
6	3-4 AM	53.2	42.7	40.6	45.3
7	4-5 AM	48.3	41.3	38.5	42.9
8	5-6 AM	47.6	39.5	41.3	40.2
Leq Night (Leq =L50 + $\{[(L10 - L90)^2 / 60 ]\}$ )					42.5
Day-Night Sound Level (Ldn)= 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 :-

- # 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 cannot 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.

Purnan Mai Yogi  
Senior Analyst

Rajesh Maheshwari  
(Report No: 25600000987)



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

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

## TEST REPORT

Report No./ULR No. :	25600000988	Date :	09.07.2025
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	23.06.2025
Point of Collection	Lakadwas village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	52.6	44.3	39.2	47.3
2	7-8 AM	53.2	45.5	41.5	47.8
3	8-9 AM	52.3	46.6	41.3	48.6
4	9-10 AM	54.5	47.7	42.2	50.2
5	10-11 AM	55.6	45.4	43.3	47.9
6	11-12 AM	56.7	47.6	41.2	51.6
7	12-13 PM	56.8	45.8	42.6	49.2
8	13-14 PM	57.3	46.7	43.6	49.8
9	14-15 PM	57.9	45.2	43.5	48.7
10	15-16 PM	58.5	47.3	45.2	50.2
11	16-17 PM	56.4	45.4	43.7	48.1
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	52.3	51.3	46.8	51.8
16	21-22 PM	52.1	50.4	43.5	51.6
Leq Day (Leq =L50 + [(L10 – L90) <sup>2</sup> /60 ])					50.5

Notes :-

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 cannot 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.

**Puran Mar Yogi**  
Senior Analyst

**Rajesh Maheshwar**  
Authorized Signatory  
(Report No:25600000988)



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

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

## TEST REPORT

Report No./ULR No. :	25600000988	Date :	09.07.2025
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	23.06.2025
Point of Collection	Lakadwas village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	22-23 PM	47.8	40.2	41.3	40.9
2	23-24 PM	48.9	42.3	40.2	43.6
3	0-1 AM	46.8	41.5	39.5	42.4
4	1-2 AM	45.5	42.7	41.6	43.0
5	2-3 AM	45.3	40.2	38.5	41.0
6	3-4 AM	47.4	42.3	43.2	42.6
7	4-5 AM	48.5	42.6	41.3	43.5
8	5-6 AM	45.4	40.7	40.2	41.2
Leq Night (Leq =L50 + [(L10 – L90) <sup>2</sup> /60 ])					42.2
Day-Night Sound Level (Ldn)= 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night +10)/10)]}					51.1

### 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 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 cannot 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.

*Purani Mai Yogi*  
Senior Analyst

*Rajesh Maheshwari*  
Authorized Signatory  
(Report No: 25600000988)





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

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

## TEST REPORT

Report No./ULR No. :	2560000989	Date :	09.07.2025
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	23.06.2025
Point of Collection	Lakadwas village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	52.6	45.2	43.3	46.6
2	7-8 AM	55.3	47.6	43.5	49.9
3	8-9 AM	53.2	46.5	45.3	47.5
4	9-10 AM	55.4	47.3	43.5	49.7
5	10-11 AM	52.4	46.8	42.9	48.3
6	11-12 AM	53.5	48.2	45.7	49.2
7	12-13 PM	56.2	47.5	42.6	50.6
8	13-14 PM	57.5	48.6	43.5	51.9
9	14-15 PM	55.6	49.6	45.2	51.4
10	15-16 PM	57.7	48.8	43.2	52.3
11	16-17 PM	54.3	47.4	45.3	48.8
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 <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					49.6

Notes :-

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 cannot 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.

**Puran Mar Yogi**  
Senior Analyst

**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: 2560000989)



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

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

## TEST REPORT

Report No./ULR No. :	25600000989	Date :	09.07.2025
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	23.06.2025
Point of Collection	Lakadwas village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	22-23 PM	47.3	43.5	41.5	44.1
2	23-24 PM	46.6	37.8	36.5	39.5
3	0-1 AM	47.2	40.3	39.8	41.2
4	1-2 AM	49.5	39.8	37.6	42.2
5	2-3 AM	46.3	40.3	38.5	41.3
6	3-4 AM	45.2	41.5	40.5	41.9
7	4-5 AM	46.5	39.2	37.4	40.6
8	5-6 AM	48.7	41.3	40.5	42.4
Leq Night (Leq = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					41.6
Day-Night Sound Level (L <sub>dn</sub> )= 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night +10)/10)]}					50.4

### 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 :-

- # 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 cannot 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.

*Puran Mai Yogi*  
Puran Mai Yogi  
Senior Analyst

*Rajesh Maheshwari*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 25600000989)



# TEAM TEST HOUSE

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



RSPC/B

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25600000990	Date :	09.07.2025
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	24.06.2025
Point of Collection	Umarda village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	52.6	46.5	42.3	48.3
2	7-8 AM	53.7	46.8	43.5	48.5
3	8-9 AM	55.7	47.5	43.8	49.9
4	9-10 AM	56.8	48.5	46.3	50.3
5	10-11 AM	57.4	48.3	43.5	51.5
6	11-12 AM	58.7	51.3	46.5	53.8
7	12-13 PM	55.5	48.5	45.4	50.2
8	13-14 PM	56.5	50.3	47.5	51.7
9	14-15 PM	54.5	51.2	46.3	52.3
10	15-16 PM	55.4	49.3	44.7	51.2
11	16-17 PM	56.5	47.5	43.6	50.3
12	17-18 PM	54.2	46.2	45.2	47.6
13	18-19 PM	52.5	45.7	43.2	47.1
14	19-20 PM	53.3	48.2	41.7	50.4
15	20-21 PM	55.4	48.3	45.6	49.9
16	21-22 PM	54.4	47.4	42.5	49.8
Leq Day (Leq = L50 + [(L10 - L90) <sup>2</sup> / 60 ])					50.2

Notes :-

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 cannot 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.

*Puran*  
**Puran Mai Yogi**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Authorized Signatory  
(Report No: 25600000990)



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

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

## TEST REPORT

Report No./ULR No. :	25600000990	Date :	09.07.2025
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	24.06.2025
Point of Collection	Umarda village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	22-23 PM	47.5	37.6	39.8	38.6
2	23-24 PM	50.5	38.8	39.2	40.9
3	0-1 AM	48.9	39.6	40.5	40.8
4	1-2 AM	48.2	40.2	39.2	41.6
5	2-3 AM	51.4	39.8	38.4	42.6
6	3-4 AM	50.6	38.7	40.6	40.4
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 = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					40.8
Day-Night Sound Level (L <sub>dn</sub> ) = 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)]}					50.4

### 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 :-

- # 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 cannot 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

Puran Mai Yogi

(Report No: 25600000990)

Rajesh Maheshwari  
Authorized Signatory



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

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

## TEST REPORT

Report No./ULR No. :	25600000991	Date :	09.07.2025
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	24.06.2025
Point of Collection	Near Udaisagar Village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	6-7 AM	56.8	48.6	42.6	52.0
2	7-8 AM	57.4	47.4	41.3	51.7
3	8-9 AM	55.2	48.5	42.2	51.3
4	9-10 AM	56.7	46.5	41.7	50.3
5	10-11 AM	57.6	48.7	43.5	52.0
6	11-12 AM	58.8	50.3	44.2	53.9
7	12-13 PM	60.4	51.6	47.3	54.5
8	13-14 PM	59.6	52.6	49.5	54.3
9	14-15 PM	61.2	53.6	53.2	54.7
10	15-16 PM	59.7	51.4	52.5	52.3
11	16-17 PM	58.4	55.2	53.4	55.6
12	17-18 PM	57.6	53.4	49.8	54.4
13	18-19 PM	60.3	52.5	46.6	55.6
14	19-20 PM	57.6	51.3	45.5	53.7
15	20-21 PM	55.2	50.4	44.5	52.3
16	21-22 PM	56.8	51.3	43.5	54.2
Leq Day (Leq = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60 ])					53.3

Notes :-

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 cannot 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.

*Puran*  
**Puran Mai Yogi**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
(Report No: 25600000991)



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

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

## TEST REPORT

Report No./ULR No. :	25600000991	Date :	09.07.2025
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	24.06.2025
Point of Collection	Near Udaiseagar Village	Date of Receipt :	28.06.2025
Date of Test/Analysis:	28.06.2025 to 09.07.2025	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 <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	
1	22-23 PM	47.5	41.3	40.2	42.2
2	23-24 PM	48.7	42.5	42.3	43.2
3	0-1 AM	50.6	43.5	42.6	44.6
4	1-2 AM	48.5	41.6	38.5	43.3
5	2-3 AM	49.3	40.3	37.2	42.7
6	3-4 AM	50.3	43.6	42.8	44.5
7	4-5 AM	53.7	41.3	40.5	44.2
8	5-6 AM	50.4	42.7	41.8	43.9
Leq Night (Leq = L <sub>50</sub> + [(L <sub>10</sub> - L <sub>90</sub> ) <sup>2</sup> / 60])					43.6
Day-Night Sound Level (L <sub>dn</sub> ) = 10 log {1/24 [16 (10 L-day/10) + 8 (10 (L-night + 10)/10)]}					53.6

### 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 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 cannot 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.

Puran Mai Yogi  
Senior Analyst

Rajesh K. Maheshwari  
Authorized Signatory  
(Report No: 25600000991)



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

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

## TEST REPORT

Report No./ULR No. :	25600001445	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Kharwaria Village [Latitude:24.33'9" Longitude:73.47'3"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	51.6	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	41.5	IS 9989	45

### 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

Authorized Signatory  
**Raiesh Maheshwari**  
(Report No: 25600001445 )





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

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

## TEST REPORT

Report No./ULR No. :	25600001444	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Mine Lease Area [Latitude:24.542517 Longitude:73.796237]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashna Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	57.9	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	48.7	IS 9989	65

### 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.

Puran Mai Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 25600001444 )





# TEAM TEST HOUSE

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



RSPCB

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25600001446	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Maton Village [Latitude:24.33'12" Longitude:73.47'39"]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashna Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	52.5	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	42.4	IS 9989	45

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

Authorized Signatory  
(Report No: 25600001446 )



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

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

## TEST REPORT

Report No./ULR No. :	25600001447	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Lakadwas Village [Latitude:24.549051 Longitude:73.809336]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	50.7	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	41.5	IS 9989	45

**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.

**Puran Mai Yogi**  
Senior Analyst

**Authorized Signatory**  
(Report No: 25600001447 )



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

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

## TEST REPORT

Report No./ULR No. :	25600001448	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Umarda Village [Latitude:24.538416 Longitude:73.796116]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	52.4	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	41.3	IS 9989	45

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.

Purnima Yogi  
Senior Analyst

Rajesh Maheshwari  
Authorized Signatory  
(Report No: 25600001448 )



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

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

## TEST REPORT

Report No./ULR No. :	25600001449	Date :	03-10-2025
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 Noise Level Monitoring / Chemical	Date of Sample Collection/Monitoring :	23-09-2025
Point of Collection :	Udai Sagar Village [Latitude:24.579364 Longitude:73.824952]	Date of Receipt :	24-09-2025
Date of Test/Analysis :	24-09-2025 to 01-10-2025	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Krashtra Murari
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
1	Noise Level (Day Time) : Leq [dB(A)]	51.9	IS 9989	55
2	Noise Level (Night Time) : Leq [dB(A)]	42.7	IS 9989	45

### 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

Authorized Signatory  
(Report No: 25600001449)

# **GROUND AND SURFACE WATER**





# TEAM TEST HOUSE

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



TC-1237

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

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25100001128	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.57	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	411.76	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]	171.22	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	742	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	82.35	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	50.03	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	116.82	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	14.19	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.72	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	15
18	Alkalinity - T [mg/l]	231.6	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	85	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1397	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	14	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	Less than 1	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]	7.83	4500-SiO2 C , APHA 24th Edition	-	-

## 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 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.

*Balram*  
Balram Agarwal

*Rajesh*  
Rajesh Maheshwari





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

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

## TEST REPORT

Report No./ULR No. :	100001128	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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 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.

*Balram*  
Balram Agarwal

*Rajesh*  
Rajesh Maheshwari  
(Report No: 100001128)



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

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

## TEST REPORT

Report No./ULR No. :	25100001129	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Kharwaria Village [Ground Water] [Latitude:24.553425 Longitude:73.790694]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.15	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	558.82	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	0.04	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	562.59	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1725	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	168.63	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	33.35	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

Rajesh Maheshwar  
1014



# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	361.70	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	35.28	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.81	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	15
18	Alkalinity - T [mg/l]	202.65	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	378	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2976	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	16	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]	1.7	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]	More than 10	4500-SiO2 C , APHA 24th Edition	-	-

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 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.

*Balra*  
**Balram Agarwal**

*Rajesh*  
**Rajesh Maneshwar**



## 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, Chitranjan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RHICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

### TEST REPORT

Report No./ULR No. :	100001129	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Kharwaria Village [Ground Water] [Latitude:24.553425 Longitude:73.790694]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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 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.

**Balram Agarwal**  
Senior Analyst

**Rajesh Maheshwar**  
(Report No: 100001129 )



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

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

## TEST REPORT

Report No./ULR No. :	25100001130	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.46	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	490.2	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]	117.41	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	816	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	121.57	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	45.27	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





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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	285.3	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	31.56	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.83	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	15
18	Alkalinity - T [mg/l]	164.05	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	92	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1695	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	16	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	4.6	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]	6.35	4500-SiO2 C , APHA 24th Edition	-	-

**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 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.

*Balaram Agarwal*

*Rajesh Maheshwari*



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

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

## TEST REPORT

Report No./ULR No. :	100001130	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
(Report No: 100001130)



# TEAM TEST HOUSE

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



RSPCB

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25100001131	Date:	03-10-2025
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 :	23-09-2025
Point of Collection :	Lakadwas Village [Ground Water] [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.30	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	509.8	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]	317.99	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1175	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	149.02	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	33.35	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





# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	218.19	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	22.36	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.72	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	15
18	Alkalinity - T [mg/l]	241.25	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	252	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1998	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	21	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	2.4	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]	More than 10	4500-SiO2 C , APHA 24th Edition	-	-

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 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.

*Babbar*  
**Babbar Agarwal**

*Rajesh Maheshwar*  
**Rajesh Maheshwar**



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

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

## TEST REPORT

Report No./ULR No. :	100001131	Date:	03-10-2025
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 :	23-09-2025
Point of Collection :	Lakadwas Village [Ground Water] [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
(Report No: 100001131)



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

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

## TEST REPORT

Report No./ULR No. :	25100001132	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Umarda Village [Ground Water] [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	6.96	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	529.41	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]	249.5	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1222	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	94.12	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	71.47	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



# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	209.16	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	30.57	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.92	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	15
18	Alkalinity - T [mg/l]	511.45	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	210	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2062	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	8.4	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 :-**

- # 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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwari**  
Laboratory



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

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

## TEST REPORT

Report No./ULR No. :	100001132	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Umarda Village [Ground Water] [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	18.07	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

Balram Agarwal  
Senior Analyst

Rajesh Maheshwari  
(Report No: 100001132)





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

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

## TEST REPORT

Report No./ULR No. :	25100001133	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Kanpur Village [Ground Water] [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	7.27	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	352.94	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]	391.37	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1078	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	62.75	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	47.65	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	116.76	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	41.98	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.91	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	15
18	Alkalinity - T [mg/l]	212.3	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	212	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2117	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	10.2	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]	8.96	4500-SiO2 C , APHA 24th Edition	-	-

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 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.

*Balram*  
**Balram Agarwal**

25100001133 | Printed on 06 October, 2025 01:00:44 pm  
This is computer generated report

*Rajesh*  
**Rajesh Maheshwari**  
2 of 4



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

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

## TEST REPORT

Report No./ULR No. :	100001133	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Kanpur Village [Ground Water] [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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 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.

Balram Agarwal  
Senior Analyst

Rajesh Manishwar  
(Report No. 100001133)





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

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

## TEST REPORT

Report No./ULR No. :	25100001134	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Nakoli Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	7.16	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	578.43	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]	127.19	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	869	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	152.94	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	47.65	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	186.42	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	11.56	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.92	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	15
18	Alkalinity - T [mg/l]	405.3	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	42	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1826	2510- B , APHA 24th Edition	-	-
22	Phosphate [mg/l]	0.68	IS 3025 (Part 31) : 1988 RA 2019	-	-
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	18	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	6.2	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]	9.32	4500-SiO2 C , APHA 24th Edition	-	-

## 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 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.

*Balram Agarwal*  
Balram Agarwal

*Rajesh Maheshwar*  
Rajesh Maheshwar



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

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

## TEST REPORT

Report No./ULR No. :	100001134	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Nakoli Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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 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.

Bafra

Bafra Aganwal

Bafra

Rafesh Maneshwari  
(Report No: 100001134)



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

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

## TEST REPORT

Report No./ULR No. :	25100001135	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.883593]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.30	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	362.75	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]	195.68	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	895	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	74.51	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	42.88	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	116.42	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	11.40	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.71	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	15
18	Alkalinity - T [mg/l]	405.3	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	170	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1660	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	17	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	5.2	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]	8.66	4500-SIO2 C , APHA 24th Edition	-	-

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 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.

*Balram*  
**Balram Agarwal**

*Bal*





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

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

## TEST REPORT

Report No./ULR No. :	100001135	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.883593]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashtra 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 Limit in the absence of alternative Source 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 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.

*Balra*  
Balra Agarwal

*Rajesh*  
Rajesh Maheshwari  
Authorized Signatory  
(Report No: 100001135 )



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

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

## TEST REPORT

Report No./ULR No. :	25100001136	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Bagdara Talav Village [Surface Water] [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source 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	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.34	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	549.02	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]	269.07	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1032	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	180.39	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	23.82	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	189.16	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	7.22	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.53	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	15
18	Alkalinity - T [mg/l]	212.3	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	3113 -B , APHA 24th Edition	0.03	0.2
20	Sodium [mg/l]	116	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1796	2510- B , APHA 24th Edition	-	-
22	Phosphate [mg/l]	3.42	IS 3025 (Part 31) : 1988 RA 2019	-	-
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	22	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	6.3	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]	9.14	4500-SiO2 C , APHA 24th Edition	-	-

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.

*Balram*  
Balram Agarwal

*Rajesh*  
Rajesh Maheshwar





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

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

## TEST REPORT

Report No./ULR No. :	100001136	Date :	03-10-2025
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 :	23-09-2025
Point of Collection :	Bagdara Talav Village [Surface Water] [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	24-09-2025
Date of Test :	24-09-2025 to 03-10-2025	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr	Sample Collected By :	Krashna 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 Limit in the absence of alternative Source as per IS 10500 : 2012
30	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-

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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Rajesh*  
**Rajesh Maheshwar**  
(Report No: 100001136)





# TEAM TEST HOUSE

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



RSPCB

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

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&amp;S)

JDA/UDH

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

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

## TEST REPORT

Report No./ULR No. :	25100000763	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Mine Lease Area (Ground Water) [Latitude:24.542567 Longitude:73.796235]	Date of Receipt :	27-06-2025
Date of Test/Analysis :	27-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	7.76	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	372.55	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]	148.89	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	583	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	70.59	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	47.65	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





# 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, Chitrangan 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 : marketinglab@teamtesthouse.com

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	97.4	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	11.58	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.61	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	15
18	Alkalinity - T [mg/l]	205.8	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	62	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1094	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	12	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	6.8	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	-	-

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 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.

*Balram*  
Balram Agarwal

*Puran*  
Puran Mal Yogi



## 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)



Latitude: 24.542567  
Longitude: 73.796235  
Elevation: 647.62±0.8 m  
Accuracy: 1.9 m  
Azimuth: 89° (E)  
Pitch: -45.6° (S.E.)  
Time: 06-24-2025 12:50  
Note: mine lease area, borewell, maloon mines Ltd.

Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]

*Balram*  
**Balram Agarwal**  
Senior Analyst

*P. Venkatesh*  
**P. Venkatesh**  
Authorized Signatory  
(Report No: 25100000763 )



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

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

## TEST REPORT

Report No./ULR No. :	100000763	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Mine Lease Area [Ground Water] [Latitude:24.542567 Longitude:73.796235]	Date of Receipt :	27-06-2025
Date of Test/Analysis :	27-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	6.52	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

*Balra*  
**Balram Agarwal**  
Senior Analyst

*Puran*  
**Puran M. Yogi**  
Authorized Signatory  
(Report No: 100000763 )



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

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

## TEST REPORT

Report No./ULR No. :	25100000764	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Kharwaria Village [Ground Water] [Latitude:24.553425 Longitude:73.790694]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.49	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	568.63	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	0.03	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	580.67	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1780	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	164.71	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	38.12	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

*Signature*

Person in Charge





# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdbhead@gmail.com](mailto:team.bdbhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	386.35	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	36.62	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.82	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	15
18	Alkalinity - T [mg/l]	215.6	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	390	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	3068	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	25	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	1.6	IS 3025 (Part 45) : 1993 RA 2019	-	-
27	Biochemical Oxygen Demand (BOD) [mg/l]	1.4	IS 3025 (Part 44) : 1993 RA 2019	-	-
28	Chemical Oxygen Demand (COD) [mg/l]	Less than 5	5220 C , APHA 24th Edition	-	-

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 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

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Puram*  
Authorized Signatory  
**Puram Yogi**



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

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

### TEST REPORT

Report No./ULR No. :	100000764	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Kharwaria Village [Ground Water] [Latitude:24.553425 Longitude:73.790694]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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

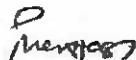
### RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	12.84	4500-SiO <sub>2</sub> C, APHA 24th Edition	-	-

#### 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 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.

  
Balram Agarwal  
Senior Analyst

  
Authorized Signatory  
(Report No: 100000764)  
Purnima Yogi



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

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

## TEST REPORT

Report No./ULR No. :	25100000765	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	7.30	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	558.82	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]	158.82	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1052	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	145.1	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	47.65	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	387.60	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	42.54	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.91	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	15
18	Alkalinity - T [mg/l]	156.8	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	125	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2038	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	19	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	6.8	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	-	-

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 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.

Balram Agarwal  
Senior Analyst

Purnima Yogi  
Authorized Signatory



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

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

## TEST REPORT

Report No./ULR No. :	100000765	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Maton Village [Ground Water] [Latitude:24.553476 Longitude:73.794126]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	8.54	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

*Babbar*  
Babbar Agarwal  
Senior Analyst

*Yogi*  
Authorized Signatory Yogi  
(Report No: 100000765 )



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

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

## TEST REPORT

Report No./ULR No. :	25100000766	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Lakadwas Village [Ground Water] [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	7.09	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	578.43	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Iron [mg/l]	0.02	IS 3025 (Part 53) : 2003 RA 2019	1.0	-
7	Chloride [mg/l]	411.93	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1506	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	184.31	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	28.59	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

*Purush*





# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	306.72	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	35.98	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.96	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	15
18	Alkalinity - T [mg/l]	343	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	300	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2614	2510- B , APHA 24th Edition	-	-
22	Phosphate [mg/l]	0.98	IS 3025 (Part 31) : 1988 RA 2019	-	-
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	32	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]	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 :-

- # 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 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.

*Balram*  
Balram Agarwal  
Senior Analyst

*Puram*  
Puram Mai Yogi  
Authorized Signatory



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

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

## TEST REPORT

Report No./ULR No. :	100000766	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Lakadwas Village [Ground Water] [Latitude:24.553254 Longitude:73.794116]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	15.80	4500-SiO <sub>2</sub> C, APHA 24th Edition	-	-

**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 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.

*Balram Agarwal*  
Balram Agarwal  
Senior Analyst

*Puran Mai Yogi*  
Authorized Signatory  
(Report No: 100000766 )





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

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

## TEST REPORT

Report No./ULR No. :	25100000767	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Umarda Village [Ground Water] [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.24	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	480.39	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]	208.45	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1164	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	109.8	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	50.03	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	246.51	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	41.72	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.84	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	15
18	Alkalinity - T [mg/l]	431.2	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	200	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1928	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	27	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	9.2	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 :-

- # 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 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.

*Balram*  
Balram Agarwal  
Senior Analyst

*Puran*  
Puran Mani Yogi  
Authorized Signatory



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

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

**TEST REPORT**

Report No./ULR No. :	100000767	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Umarda Village [Ground Water] [Latitude:24.538181 Longitude:73.795879]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	17.32	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

**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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Puran*  
**Puran Mal Yogi**  
Authorized Signatory  
(Report No: 100000767 )



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

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

## TEST REPORT

Report No./ULR No. :	25100000768	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Kanpur Village [Ground Water] [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	8.05	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	372.55	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]	416.89	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	1035	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	47.06	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	61.94	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



# 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, Chitranjan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077579,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	97.5	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	34.6	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.82	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	15
18	Alkalinity - T [mg/l]	166.6	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	220	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	2059	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	29	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	12	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 :-

- # 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 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.

*Balram*  
Balram Agarwal  
Senior Analyst

*Rajendra*  
Authorized Signatory  
Rajendra Yogi



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

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

## TEST REPORT

Report No./ULR No. :	100000768	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Kanpur Village [Ground Water] [Latitude:24.561903 Longitude:73.770293]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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

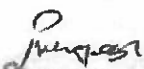
## RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	8.3	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

**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 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.

  
**Balram Aqarwai**  
Senior Analyst

  
Authorized Signatory  
(Report No: 100000768 )





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

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

## TEST REPORT

Report No./ULR No. :	25100000769	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Nakoli Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.20	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	549.02	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]	119.11	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	824	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	133.33	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	52.41	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	194.7	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	9.76	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.97	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	15
18	Alkalinity - T [mg/l]	392	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	34	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1653	2510- B , APHA 24th Edition	-	-
22	Phosphate [mg/l]	0.62	IS 3025 (Part 31) : 1988 RA 2019	-	-
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	25	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	7.8	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	-	-

**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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Puneet*  
Authorized Signatory





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

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

## TEST REPORT

Report No./ULR No. :	100000769	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Nakoli Village [Ground Water] [Latitude:24.440409 Longitude:73.793953]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	8.96	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Purnima*  
**Purnima Yogi**  
Authorized Signatory  
(Report No: 100000769 )



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

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

## TEST REPORT

Report No./ULR No. :	25100000770	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.883593]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part8) : 1984 RA 2017	Agreeable	-
4	pH	7.93	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	392.16	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]	228.3	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	992	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	70.59	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	52.41	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



# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdbhead@gmail.com](mailto:team.bdbhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	135.7	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	9.52	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.79	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	15
18	Alkalinity - T [mg/l]	450.8	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	81	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1598	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	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	25	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	6.0	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 :-

- # 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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Purushottam*  
**Purushottam Yogi**  
Authorized Signatory



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

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

## TEST REPORT

Report No./ULR No. :	100000770	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Dhoonimata Village [Ground Water] [Latitude:24.635298 Longitude:73.883593]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	10.40	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

*Balram*  
Balram Agarwal  
Senior Analyst

*Puran*  
Puran Mayyogi  
Authorized Signatory  
(Report No: 100000770 )



# 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, Chitrangan Marg,  
C-Scheme, Jaipur - 302001, Rajasthan  
Phone : +91 6377210064, 9414077379,  
Website : [www.teamtesthouse.com](http://www.teamtesthouse.com)  
Email : [team.bdhead@gmail.com](mailto:team.bdhead@gmail.com)

Laboratory : G1-584, RIICO Industrial Area,  
Sitapura, Jaipur - 302022, Rajasthan  
Phone : +91 9460222039, 9460222049,  
Email : [director@teamtesthouse.com](mailto:director@teamtesthouse.com),  
Email : [marketinglab@teamtesthouse.com](mailto:marketinglab@teamtesthouse.com)

## TEST REPORT

Report No./ULR No. :	25100000752	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Bagdara Talav Village [Surface Water] [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	pH	8.10	IS 3025 (Part 11) : 1983 RA 2017	6.5 to 8.5	No relaxation
5	Total Hardness [mg/l]	519.61	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]	347.41	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
8	Total Dissolved Solids [mg/l]	924	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
9	Calcium [mg/l]	160.78	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
10	Magnesium [mg/l]	28.59	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



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

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

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible Limit in the absence of alternative Source as per IS 10500 : 2012
13	Sulphate [mg/l]	175.12	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
14	Nitrate [mg/l]	5.12	4500-NO3- B , APHA 24th Edition	45.00	-
15	Fluoride [mg/l]	0.46	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	15
18	Alkalinity - T [mg/l]	147	IS 3025 (Part 23) : 1986 RA 2019	200	600
19	Aluminum [mg/l]	Less than 0.01	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
20	Sodium [mg/l]	96	IS 3025 (Part 45) : 1993 RA 2019	-	-
21	Conductivity at 25°C [micromho/cm]	1493	2510- B , APHA 24th Edition	-	-
22	Phosphate [mg/l]	3.80	IS 3025 (Part 31) : 1988 RA 2019	-	-
23	Residual free chlorine [mg/l]	Less than 0.1	IS 3025 (Part 26) : 1986 RA 2019	0.2(minimum)	1.0
24	Cyanide as CN [mg/l]	Less than 0.04	IS 3025 (Part 27) : 1986 RA 2019	0.05	-
25	Total Suspended Solids [mg/l]	18	IS 3025 (Part 17) : 1984 RA 2017	-	-
26	Potassium [mg/l]	7.2	IS 3025 (Part 45) : 1993 RA 2019	-	-
27	Biochemical Oxygen Demand (BOD) [mg/l]	2.8	IS 3025 (Part 44) : 1993 RA 2019	-	-
28	Chemical Oxygen Demand (COD) [mg/l]	12.54	5220 C , APHA 24th Edition	-	-

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 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.

*Balram*  
**Balram Agarwal**  
Senior Analyst

*Puran Mai Yogi*  
**Puran Mai Yogi**  
Authorized Signatory





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

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

## TEST REPORT

Report No./ULR No. :	100000752	Date :	12-07-2025
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 :	24-06-2025
Point of Collection :	Bagdara Talav Village [Surface Water] [Latitude:24.30'60" Longitude:73.48'32"]	Date of Receipt :	28-06-2025
Date of Test/Analysis :	28-06-2025 to 12-07-2025	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 Limit in the absence of alternative Source as per IS 10500 : 2012
29	Mineral oil [mg/l]	Less than 0.5	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
30	Silica [mg/l]	10.47	4500-SiO <sub>2</sub> C , APHA 24th Edition	-	-

### 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 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.

*Balram*  
Balram Agarwal  
Senior Analyst

*P. V. Singh*  
Authorized Signatory  
(Report No: 100000752)







