

Ref. HIL/KBM/MoEF&CC/77/2026

Date: 20-05-2026

To,  
The Director General of Forest (C),  
Ministry of Environment & Forest and Climate Change,  
Integrated Regional Office,  
Ground Floor, Aranya Bhawan, North Block,  
Sector-19, Naya Raipur, Atal Nagar,  
Chhattisgarh-492002  
Email: [iro.raipur-mefcc@gov.in](mailto:iro.raipur-mefcc@gov.in)

**Sub:** - Status of compliance of EC condition (Half yearly status of compliance report) in respect of Kudag Bauxite Mine (Lease area- 377.116 Ha.) of M/s Hindalco Industries Limited of Chhattisgarh state for the period from October 2025 – March 2026.

*Ref No: - Environment Clearance Letter No-J-11015/354/2007-LA. II (M) dated July 27, 2007*

**Dear Sir,**

We do herewith submit half yearly status of EC compliance report in respect of Kudag Bauxite Mine. Lease area – 377.116 Ha. of M/s Hindalco Industries Limited P.O- Kusmi, Dist.- Balrampur- Ramanujanj, Chhattisgarh state, PIN-497224 for the period from October 2025 – March 2026. The lease details is as below: -

Lease area	Production Capacity	Lease Period
377.116 Ha.	60000 Tonnes	24.12.1996 to 23.12.2046 (50 years)

We trust that the measures taken towards environment safeguard comply with the stipulated environmental conditions. We assure that we comply all the conditions laid down in the consent letter and abide to follow all the Rules and Regulations.

Thanking you.

Yours's faithfully

For. Hindalco Industries Limited

(Rajesh Rathore)  
Head- Mines

Encl.: As Above

CC: [moef.ddn@gmail.com](mailto:moef.ddn@gmail.com); [apccfcentral-nep-mef@gov.in](mailto:apccfcentral-nep-mef@gov.in); [eccompliance-cv@gov.in](mailto:eccompliance-cv@gov.in); [cpcb.bhopal@gov.in](mailto:cpcb.bhopal@gov.in);

**HINDALCO INDUSTRIES LIMITED**  
Samri Mines, Division, Baba Chowk  
At & Post - Kusmi, PIN : 497 224,  
Distt - Balrampur-Ramanujanj  
(Chhattisgarh) INDIA

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Corporate Identity No. : L27020MH1958PLC011238

**Name of the Project** : **Kudag Bauxite Mines (377.116 Ha. Capacity-0.6 LTPA), M/s Hindalco Industries Ltd**

**Environment Clearance No** : **J-11015/354/2007 – IA.(IIM) dated 27.07.2007**

**& date**

**Period of compliance** : **1<sup>st</sup> October 2025 to 31<sup>st</sup> March 2026.**

**Report**

#### **A. Specific Conditions**

**Condition-1:** Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority.

**Reply to Condition 1:** The Wildlife Management plan has been prepared and approved by competent Authority vide letter no. 12/13/2967, dated 07.10.2013. The copy attached as *Annexure –A*.

**Condition-2:** Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (Civil) No. 460 of 2004 as may be applicable to this project.

**Reply to Condition 2:** Noted.

**Condition-3:** Conservation plan for schedule I fauna (if found in the study area) shall be prepared in consultation with Wildlife Department. The company shall provide authenticated list of flora & fauna separately for core and buffer zone indicating schedule of species.

**Reply to Condition 3:** The Conservation plan for schedule I fauna have been prepared and approved by competent authority & submitted to ministry. The detail list of flora & fauna along with the approved conservation plan is attached as *Annexure –B*.

**Condition-4:** The mining operations shall be restricted to above ground water table and it shall not intersect ground water table. Prior approval of the Ministry and CGWA should be obtained for mining if any below water table.

**Reply to Condition 4:** The mining operation is restricted to well above ground water table. As per our current mining operation, ultimate depth of working is about 15 meters below. Piezometer has been installed at strategic location in the lease area to monitor the Ground water level, the average depth of which is 29-31 m. The ground water table is below the depth of our mining operation Hence there is no intersection of groundwater level during course of mining operation. We undertake that no mining operation is being carried out below the water table.

**Condition-5:** Topsoil, if any shall be stacked properly with proper slope with adequate safeguards and shall not be used reclamation and rehabilitation of mined out area.

**Reply to Condition 5:** Topsoil generated during mining operation is being concurrently spread over backfilled area to restore its original forms immediately. However, if required it will be stacked properly with proper slope and adequate safeguards.



#### **Topsoil Spreading for Backfilling**

**Condition-6:** Over burden shall be stacked at earmarked dump site (s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30m, each stage shall preferably be of 10m and over all slope of the dump shall not exceed 28°. The mine pit area shall be reclaimed by back filling the OB in a phased manner. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. 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 on six monthly basis.

**Reply to Condition 6:** As such there is no any active OB dump at present. As per approved Mining Plan, OB generated during mine operation is being utilized for concurrently back filling of the mined-out area for reclamation purposes. Small old inactive OB dump has been stabilized by vegetation with suitable native species to prevent erosion and surface run off.



#### **Stabilization of old inactive dump through plantation**

**Condition-7:** Garland drains shall be constructed to arrest silt and sediment flows from soil and mineral dump. The water so collected shall be utilized for watering the mine area, roads, greens belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall 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 shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garlands drains and desilted at regular intervals.

**Reply to Condition 7:** Garland drain is provided to arrest silt and sediments flows from above mentioned OB dump. At present there is no any active OB dump. Entire waste generated during mining operation is being simultaneously backfilled in the mined-out pit. Old inactive OB dump has been stabilized by vegetation. Garland drains & Parapet wall of appropriate size, gradient and length have been made around the active mining pits coupled with arrester to arrest silt from run-off and drains are being maintained. The drains are regularly desilted before the monsoon. The Water so collected is being used for green belt development and in sprinkling of the Haul Road. Sump of adequate capacity is also developed.



**Condition-8:** The project proponent shall ensure that no natural water course shall be obstructed due to mining operation.

**Reply to Condition 8:** There is no natural water course inside the lease area. However, we undertake that we will not obstruct any natural water course due to mining operation.

**Condition-9:** Blasting operations shall be carried out only during the daytime. Controlled blasting shall be practiced. The drills should be operated with drill extractors. The mitigative measures for control of ground vibrations and arrest fly rocks shall be implemented.

**Reply to Condition 9:** Controlled blasting is being practiced in the mine only in day time. Wet drilling Machines are being used during drilling operations. Nonel & effective blast design are used to control blast vibration and fly rocks.

**Condition-10:** Plantation shall be raised in an area of 44.69 ha including green belt of adequate width by planting native species around the ML area, roads; OB dump sites etc. in consultation with the local DFO/Agriculture Department. The density of the trees shall be around 2500 plants per ha. Selection of plant species shall be as per CPCB guidelines. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation.

**Reply to Condition 10:** We have already achieved the target area asked for plantation. However, we are continuing the plantation to restore biodiversity. During April '25 to March '26, total 2765 nos. of saplings have been planted over an area of 0.9 ha. and in total till now about 61.531 ha. area has been afforested with approx. 150740 nos. of saplings.

The density is being maintained at about 2500 plant per hectare with species like Amla, Casia, mango, babul, pears & guava etc. Moreover, Ragi (Maduwa) agriculture farming has been done on over about 0.44 ha. of reclaimed area. Social forestry is also being encouraged among the local villagers. Apart from that local food grain Ragi (Maduwa) & Tau has been planted over the reclaimed area of 1.0 ha. Year wise plantation is enclosed as **Annexure-C**.



**Condition-11:** The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

**Reply to Condition 11:** The ground water table does not intersect our mining operation because of shallow depth of mining. Piezometer has been installed at strategic location in our lease area for monitoring the ground water level, the average depth of which is 29-31 m. However, Rainwater harvesting structure (Ponds and Wells) has been constructed as conservation measures in mined out area for the conservation/augmentation of ground water resources.



RWH Pond & Well Structure

**Condition-12:** Regular water sprinkling shall be carried in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading, unloading and transfer points and other vulnerable areas. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the CPCB in this regard.

**Reply to Condition 12:** Regular water spraying with 12 KL portable water tanker in the mine lease hold area is being carried out regularly to control air pollution. The ambient air quality is within the stipulated norms.



**Condition-13:** Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year-pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.

**Reply to Condition 13:** Ground water quality monitoring is being carried out regularly on quarterly basis. The analysis reports are being submitted to CECB, Raipur. Regular monitoring of ground water level is being carried out by piezometer installed at strategic location-in the lease area and is

found below the level of mining operation. The ground water Quality report and the GW level data is attached in **Annexure – D**.

**Condition-14:** Rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, CGWB.

**Reply to Condition 14:** Rainwater harvesting ponds has been made at lease hold area.

**Condition-15:** Prior permission from the competent authority shall be obtained for drawl of ground water, if any.

**Reply to Condition 15:** Ground water NOC has been obtained from CGWA vide letter no. NOC/MIN/CG/2025/1803/R-3/3, dated 10-04-2025 valid up to 28-04-2027 for domestic/drinking purposes. The approval copy attached as **Annexure-E**.

**Condition-16:** Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures during mining operation for conservation and protection of endangered fauna.

**Reply to Condition 16:** All efforts are being taken to conserve and protect existing ecological status of the project area. Important measures we are taking for conservation of flora and fauna are as follows.

- a) Company have been provided solar LED torch and florescent jacket to Staff of forest department, Ambikapur for patrolling and monitoring the movement of wildlife, encroachment, cutting, poaching, fire etc.
- b) Veterinary camp is being conducted for immunization of cattle with the help of block veterinary staff.
- c) Awareness programme related to wildlife conservation is being conducted.
- d) Eco-development activities like poultry, piggery, bee keeping etc. are being organized.
- e) Controlled blasting is being carried out so as reduce vibration and noise. Such operation is being carried out in daytime only and its use is minimized.
- f) Plantation is regular activity.

**Condition-17:** Vehicular emissions shall 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 vehicles shall be covered with a tarpaulin and shall not be overloaded.

**Reply to Condition 17:** Regular and periodic maintenance of HEMM is being carried out for control of vehicular emission in mines area. The bauxite ore are transported in trucks with tarpaulin

cover upto EUP/Railway siding. Vehicles used for transportation have valid permit. No overloading of ores for transportation is allowed to prevent spillage of material.



**Condition-18:** A comprehensive report on the details of land oustees, their socio-economic profile and action plan for their rehabilitation including formation of self-help groups who can facilitate promotion of economic opportunity for local indigenous people shall be submitted for record.

**Reply to Condition 18:** To encourage and improve local economics company has taken several initiative programme, where local people are being trained to perform different activities viz, making of soaps, detergents, candles, making of leaf plates etc. Under CSR activities SHG groups are formed, in total there are 12 nos of SHGs and 120 Beneficiaries who are directly engaged in income generation activities. *Detailed list of SHG is enclosed as Annexure F.*

**Condition-19:** The company shall implement occupational health and safety measures for the workers and engage a qualified doctor who is trained in occupational health surveillance

**Reply to Condition 19:** Company has provided to all workers with personal protective equipment and training is also being imparted to them for safety & health in our Group vocational training center. One doctor having MBBS qualification has been appointed for facilitation of OHS. All employees working in the mine have been undergone through medical tests as per Mines ACT-1952.

**Condition-20:** A Final Mine Closure Plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

**Reply to Condition 20:** We accept the condition. A progressive mine closure plan approved by IBM is in place. IBM is competent authority to approve the final mine closure plan. The lease is valid up to 23.12.2046. Final mine closure mine plan along with details of corpus fund will be submitted within prescribed timelines in accordance with law to competent authority.

## **B. General Conditions**

**Condition-1:** No change in mining technology and scope of work shall be made without prior approval of the Ministry of Environment & Forests.

**Reply to Condition 1:** Noted.

**Condition-2:** No change in the calendar plan including excavation, quantum of mineral bauxite ore shall be made.

**Reply to Condition 2:** Calendar plan (IBM Approved Mining Plan/scheme) prepared for the mine is being followed.

**Condition-3:** Conservation measures for protection of flora and fauna in the core and buffer zone shall be drawn up in consultation with the local forest and wildlife department.

**Reply to Condition 3:** The suggestions of local forest department are being implemented for conservation of flora and fauna in and around lease hold area. Important measures being implemented for conservation of flora and fauna are as follows.

- a) Company have been provided with solar LED torch and florescent Jackets to Staff of forest department, Ambikapur for patrolling and monitoring the movement of wildlife, encroachment, cutting, poaching, fire etc.
- b) Veterinary camp is being conducted for immunization of cattle with the help of block veterinary staff.
- c) Awareness programme related to wildlife conservation is being conducted.
- d) Eco-development activities like poultry, piggery, bee keeping etc. are being organized.
- e) Controlled blasting is being carried out so as reduce vibration and noise. Such operation is being carried out in daytime only and its use is minimized.
- f) Plantation is regular activity.

**Condition-4:** Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO<sub>2</sub>, Nox, 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.

**Reply to Condition 4:** Ambient Air quality monitoring is being carried out as per the guidelines and is being followed. For this purpose, we have already appointed a NABL accredited laboratory

M/s. Anacon Laboratories Pvt. Ltd. for conducting regular environmental monitoring. Analysis Report (from October 2025 to March 2026) is enclosed as **Annexure-G**.

**Condition-5:** Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Ministry including its regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.

**Reply to Condition 5:** Data of ambient air quality (RPM, SPM, SO<sub>2</sub>, and NO<sub>x</sub>) are being submitted to CECB and to other regulatory authorities as per guidelines. Ambient air quality report for the month October 2025 to March 2026 is enclosed as **Annexure-G**.

**Condition-6:** Fugitive dust emission from all the sources shall be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.

**Reply to Condition 6:** Fugitive dust emission from generating sources is being controlled. The dust extractor, wet drilling, regular water spraying with 12 KL portable water tanker in the mine lease hold area is being carried out regularly. Rainwater collected into the mine pit is being utilized for dust suppression purpose. Black top road has been constructed up to pit head to reduce dust emission.



**Black top access road to the mines**

**Condition-7:** Measures shall be taken for control of noise levels below 85dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with ear plugs / muffs.

**Reply to Condition 7:** The noise level in working area is being maintained below the prescribed limit. As protective measures, Workers engaged in operations of HEMM, etc. is being provided with ear plugs / muffs. The proper maintenance of HEMM is being carried out to control noise emission.

**Condition-8:** Industrial wastewater (workshop and wastewater 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> December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.

**Reply to Condition 8:** There is no wastewater generated from the mining operation. So, there is no liquid discharge from mine. A minimal quantity of wastewater generated from workshop during vehicle maintenance, for which oil and grease separation pits are provided for the treatment. The treated water is being used for dust suppression in haul road.

**Condition-9:** Personal working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.

**Reply to Condition 9:** Company has provided adequate personal protective equipment to all workers and it is also ensured that they use the same. Regular awareness, training are also being imparted to them for safety & health in our Group vocational training center- Samri. All employees undergo Lung Function Tests during the Periodical Medical Examination. Periodical Medical Examination of employees and contractor workers are organized regularly to observe any contractions due to exposure to dust and other occupational hazards.

**Condition-10:** Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

**Reply to Condition 10:** Periodical and Initial medical examination of all workers are being carried out as per provision of Mines Act.

**Condition-11:** A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

**Reply to Condition 11:** Environment cell is already in place at Samri Mines Division headed by Head (Mines) and comprises of suitable qualified persons. Constitution of Environment Management cell is enclosed in *Annexure-H*.

**Condition-12:** The project authorities shall inform the Regional Office located at Bhopal regarding of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

**Reply to Condition 12:** The requisite documents have been submitted to the regional office of the Ministry, Bhopal before commencement of development & operation in 1999. However, as the current regional office has changed to Raipur region, we have again resubmitted the information to the IRO Raipur vide letter no. HIL/SBM/MoEF&CC/1203/2024, dated 20-03-2024.

**Condition-13** The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purposes. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.

**Reply to Condition 13:** Adequate fund provision is already earmarked for environmental protection measures and will not be diverted to other purposes. The year-wise expenditure is being submitted to concerned authorities as per guidelines. The copy of the detail Expenditure is attached as *Annexure-J*.

**Condition-14:** The project authorities shall inform the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development.

**Reply to Condition 14:** The requisite documents have been submitted the to the regional office of the Ministry, Bhopal before commencement of development & operation in 1999. However, as the current regional office has changed to Raipur region, we have again resubmitted the information to the IRO Raipur vide letter no. HIL/SBM/MoEF&CC/1203/2024, dated 20-03-2024.

**Condition-15:** The Regional Office of this Ministry located at Bhopal 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.

**Reply to Condition 15:** All cooperation is being extended to regulatory authorities.

**Condition-16:** A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.

**Reply to Condition 16:** We have forwarded the copy of clearance letter to Gram Panchayat of Bata on 13-08-2007. The copy of same has already been submitted to your good office.

**Condition-17:** State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's office for 30 days.

**Reply to Condition 17:** The copy has been displayed by CECB in Surguja Collectorate.

**Condition-18:** 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 and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic> and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.

**Reply to Condition 18:** The information regarding environment clearance has been published in two local new papers Hari Bhumi & Ambika Vani. The copy of same has been already submitted to your good office. Copy of News paper clip is enclosed in *Annexure I*.

**Condition-19:** The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

**Reply to Condition 19:** Noted.

**Condition-20:** Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

**Reply to Condition 20:** Noted.

पर्यावरण प्रदूषण नियंत्रण बोर्ड संरक्षण (वन्यप्राणी प्रदूषण एवं जीव विविधता संरक्षण सह मुख्य वर्कप्रोग्री अभिरक्षाक), छत्तीसगढ़  
अरण्य भवन, मैट्रिकल कॉलेज रोड, रायपुर

वेब - pccfwbo.org

TPN 0771-2552238, Fax 0771-2552227

क्रमांक/व.प्र/प्रवा- 12/13/ 2167

रायपुर दिनांक 07/10/2013

प्रति,

संचालक,  
इन्वायरनमेंट क्लीयरेंस सेल  
भारत सरकार, वन एवं पर्यावरण मंत्रालय,  
पर्यावरण भवन, सी.जी.ओ. कॉम्प्लेक्स,  
लोधी रोड, नई दिल्ली-111003

विषय :- छत्तीसगढ़ के बलरामपुर जिले (तत्कालीन सरगुजा जिला) में स्थित सामरी बॉक्ससाईट माईन्स, कुदाग बॉक्ससाईट माईन्स एवं टाटीझरिया बॉक्ससाईट माईन्स की क्षमता बढ़ाये हेतु इन्वायरमेंट क्लीयरेंस।

- संदर्भ:-
1. पर्यावरण व वन मंत्रालय, भारत सरकार का पत्र क्रमांक J-11015/353/2007-IA.II(M) दिनांक 27 जुलाई 2007.
  2. पर्यावरण व वन मंत्रालय, भारत सरकार का पत्र क्रमांक J-11015/337/2007-IA.II(M) दिनांक 27 जुलाई 2007.
  3. पर्यावरण व वन मंत्रालय, भारत सरकार का पत्र क्रमांक J-11015/337/2007-IA.II(M) दिनांक 9 अगस्त 2007.

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कृपया आपके उपरोक्त संदर्भित पत्रों का अवलोकन करने का कष्ट करें। जिसके द्वारा बलरामपुर जिले (पुराने सरगुजा जिले) के सामरी बॉक्ससाईट खुली खदान (1 LTPA) की क्षमता बढ़ाकर (SLTPA) करने, कुदाग बॉक्ससाईट खदान (0.4 LTPA) की क्षमता बढ़ाकर (0.6 LTPA) करने तथा टाटीझरिया बॉक्ससाईट खदान (0.5 TPA) की क्षमता बढ़ाकर (4 TPA) करने के परियोजना प्रस्ताव के संबंध में वन्य प्राणी (संरक्षण) अधिनियम, 1972 के तहत अनुसूची-1 के वन्यप्राणियों हेतु "वन्य प्राणी संरक्षण व प्रबंधन योजना" तैयार की जाकर इस कार्यालय की सहमति दिये जाने का लेख किया है।

1. विषयांकित परियोजना हेतु खदान के लीज के अनुबंध दिसंबर 1996 एवं जून 1998 में हस्ताक्षरित हुये थे। सामरी क्षेत्र में भारत सरकार पर्यावरण व वन मंत्रालय के आदेश क्रमांक J-11015/353/2007-IA.II/M दिनांक 27 जुलाई, 2007 द्वारा 2146.746 हे. में, कुदाग क्षेत्र में भारत सरकार पर्यावरण व वन मंत्रालय आदेश क्रमांक J-11015/354/2007-IA.II/M दिनांक 27 जुलाई 2007 द्वारा 377.116 हे. में, तथा टाटीझरिया में भारत सरकार पर्यावरण व वन मंत्रालय के आदेश क्रमांक J-11015/337/2007-IA.II/M दिनांक 9 अगस्त 2007 द्वारा 1218.762 हे. में बॉक्ससाईट खनन की स्वीकृति प्राप्त कर संस्था द्वारा खनन का कार्य किया जा रहा है।

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2. वर्तमान प्रस्ताव में उपरोक्त क्षेत्रों में वन्य प्राणियों की संख्या 10 लाख से बढ़ाकर 50 LPTA किया जाना, कुदाग के लिए 50,000 TPA से बढ़ाकर 1 LPTA किया जाना एवं ललीहरिया के लिए 50,000 TPA से बढ़ाकर 4,00,000 TPA बनाया गया प्रस्तावित है। भारत सरकार पर्यावरण व वन मंत्रालय के द्वारा उपरोक्त क्षेत्रों में वन्य प्राणियों की स्वीकृति क्रमशः आदेश क्रमांक J-11015/353/2007-IA.II/M दिनांक 27 अक्टूबर 2007, J-11015/354/2007-IA.II/M दिनांक 27 जुलाई 2007 एवं J-11015/337/2007-IA.II/M दिनांक 9 अक्टूबर 2007 द्वारा कुछ शर्तों के साथ दी गई है। जिसमें एक महत्वपूर्ण शर्त यह भी उल्लेखित है कि संबंधित क्षेत्र में वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के पाये जाने वाले वन्य प्राणियों के संरक्षण हेतु प्रबंध योजना तैयार की जाकर राज्य के मुख्य वन्य जीव अभिरक्षक के अभिमत सहित प्रस्तुत किया जाये। जिसके पालन में संस्था द्वारा एक वन्य प्राणी संरक्षण योजना तैयार की गयी है।
3. खनन क्षमता बढ़ाने से संबंधित प्रस्तावित तीनों ही परियोजनाओं के एक दूसरे से 4 कि.मी. की परिधि में स्थित होने एवं सभी के बफर क्षेत्र ओवरलैपिंग होने के कारण सभी के लिये संयुक्त रूप से वन्य प्राणी संरक्षण व प्रबंधन योजना तैयार की जाकर महाप्रबंधक, (खादान), हिन्डालको इन्डस्ट्रीज के पत्र क्रमांक HIL/SAM/300/2013 दिनांक 2.03.2013 द्वारा प्रस्तुत किया गया है जिसका समग्र रूप से परीक्षण किया गया। प्रस्तावित परियोजनाओं के कोर क्षेत्र से 10 कि.मी. की परिधि में आने वाले ओवरलैपिंग बफर क्षेत्र में वन्य प्राणियों एवं उपलब्ध वनस्पतियों का सर्वे किया जाकर पाये गये स्पेसिज को परियोजना प्रस्ताव में अनेक्स्-4 के में उल्लेखित किया गया है।
4. उल्लेखित सूची में वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के वन्य प्राणी नहीं पाये गये हैं। परंतु इस कार्यालय द्वारा वन संरक्षक (वन्य प्राणी), सरगुजा से विगत दस वर्षों में वन्य प्राणियों द्वारा की गई क्षति की जानकारी घाही गयी। वन संरक्षक ने अपने पत्र क्रमांक 749 दिनांक 24.05.2012 से यह जानकारी उपलब्ध कराया है कि उक्त क्षेत्र में हाथियों का वर्ष 2005-में दो बार, वर्ष 2006 में आठ बार, 2007 में एक बार, 2008 में दो बार, 2009 में सात बार आना जाना हुआ है। इसी प्रकार भालुओं के द्वारा वर्ष 2007-08 में आठ, वर्ष 2008-09 में पाँच, वर्ष 2009-10 में छः एवं 2010-11 में 4 जनहानि व जनघायल के प्रकरण तथा वर्ष 2007-08 तथा 2008-09 में तेंदुआ द्वारा पशु हानि के दो प्रकरण तथा लकड़बग्घे के कारण एक प्रकरण दर्ज किये गये हैं। इस प्रकार वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के उपरोक्त उल्लेखित वन्य प्राणियों के परियोजना क्षेत्र में आने जाने के प्रमाण पाये गये हैं। प्रस्तावित क्षेत्र से 6 से 7 कि.मी.की दूरी पर झारखंड राज्य में भेड़िया अभ्यारण्य भी स्थापित है। अतः संस्था द्वारा दस वर्षों के लिये वन्य प्राणी संरक्षण व प्रबंध योजना श्री पी. के. सेन पूर्व वन्य प्राणी अभिरक्षक, झारखंड से तैयार कराया जाकर प्रस्तुत किया गया है। जिसका समग्र व विस्तृत अध्ययन किया गया। प्रबंधन योजना में प्रस्तावित प्रबंधन संबंधित मुख्य गतिविधियों का विवरण निम्नानुसार है।
5. योजना में वन्य प्राणियों के लिये जलग्रहण क्षेत्र विकास, रहवास-विकास, पेयजल व्यवस्था, विभाग के क्षेत्रीय अमले के सहयोग से क्षेत्र में पेट्रोलिंग व मॉनिटरिंग, अग्नि सुरक्षा, ईको विकास की गतिविधियों, स्थानीय ग्रामीणों के लिये आजीविका सृजन, टीकाकरण, जनजागृति कार्यक्रम जैसी गतिविधियों का

समावेश करते हुये 04 वर्षों के निम्नलिखित कार्य प्रस्तावित/प्रकारित की गयी है। जिसका क्रियान्वयन वन विभाग के द्वारा किया जायेगा। प्रस्तावित कार्य/कार्यक्रम का विवरण निम्नांकित है :-

Sr. No.	Works to be done	Cost for Four years (Rs. in lakhs)					Remarks
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	Total	
1	Plantation including soil and moisture Conservation works as per norms of forest department surrounding the lease hold	5.00	5.00	5.00	5.00	20.00	
2	Silvicultural Operation on degraded forest Land and cut back in rooted waste	2.00	2.00	2.00	2.00	8.00	
3	Habitat Management Eradication of unwanted species in buffer Zone area, Fire Protection work including wages for fire watchman, Creation of Fire line etc. surrounding lease hold and in buffer area.	2.50	2.50	2.50	2.50	10.00	
4	Monitoring - One Staff of forest department to monitor movement of wild life, encroachment, illicit cutting, poaching, fire etc. including Salary of 1 staff	3.00	3.00	3.00	3.00	12.00	
5	Construction of water holes, their maintenance and patrolling (One per Annum)	10.00	10.00	10.00	10.00	40.00	
6	Eco-development activities like poultry, piggery, bee keeping etc.	5.00	5.00	5.00	5.00	20.00	
7	Vocational Training to weaker section, females, old persons and minors of the surrounding villages in three centre in the buffer Zone of the mining lease @ 50000/- per centre.	3.00	3.00	3.00	3.00	12.00	
8	Veterinary camp for immunization of Cattle with the help of block veterinary staff.	2.00	2.00	2.00	2.00	8.00	
9	Awareness Programme including Signages, distribution of Pamphlets related to wild life conservation etc.	2.50	2.50	2.50	2.50	10.00	
10	Provision for conservation of Biodiversity among flora and fauna of the area & Preparation of Biodiversity register	20.00	0.00	0.00	0.00	20.00	The amount is to be deposited in the account of Biodiversity Board as this work is to be done by Biodiversity management committees (BMC's)
<b>Total</b>		<b>55.00</b>	<b>35.00</b>	<b>35.00</b>	<b>35.00</b>	<b>160.00</b>	

परियोजना के अंतर्गत रु. 160.00 लाख की अनुमानित लागत का पूरा अंश परियोजना से यह लगत  
का विभाग को बैंक अकाउंट्स के हिसाब से वृद्धि होगी। परियोजना के विभागीय कर्मियों को भी लागत आयगी  
यह परियोजना परियोजना को वन विभाग में एकमुश्त जमा करानी होगी। जिससे मूल्य वृद्धि के प्रभाव को समाप्त  
किया जा सके। वन विभाग एकमुश्त जमा की गई राशि से वन्यप्राणी संरक्षण योजना विभाजित करेगा।

- 2) अनुमोदित वन्यप्राणी संरक्षण योजना की एक प्रति सलग्न प्रेषित है। कृपया वन्यप्राणी संरक्षण योजना में  
प्रावधानित राशि रु. 160.00 लाख एकमुश्त जमा कराने हेतु परियोजना प्रस्तावको को आदेशित करने का कष्ट  
करें।

संलग्न:-उपरोक्तानुसार।

*Apna Ash*  
(रामप्रकाश) 01/12/13

प्रधान मुख्य वन संरक्षक (वन्यप्राणी)  
छत्तीसगढ़, रायपुर

रायपुर दिनांक 01/10/2013

पृष्ठा क्रमांक/व.प्रा./प्रबंध-12/13/2968.

प्रतिलिपि :-

1. प्रमुख सचिव, छत्तीसगढ़ शासन, वन विभाग, महानदी मंत्रालय भवन, नया रायपुर की ओर मय योजना  
की प्रति सहित सूचनार्थ प्रेषित।
2. श्री एम. के. नारयंक, जी. एम. माइन्स हिन्डालको इन्डस्ट्रीज लिमिटेड, सामरी बॉक्साईट माईन्स,  
पोस्ट-कुसमी, जिला-सरगुजा, छत्तीसगढ़ की ओर मय योजना की प्रति सहित सूचनार्थ प्रेषित।

*Apna Ash*  
प्रधान मुख्य वन संरक्षक (वन्यप्राणी) 01/12/13  
छत्तीसगढ़, रायपुर

SAMRI BAUXITE MINE

Annexure-6  
Details of Flora and Fauna

समावेश करने हूँ 04 वर्षों के निम्नलिखित कार्य प्रस्तावित कर रहे हूँ। जिसका क्रियान्वयन वन विभाग के द्वारा किया जायेगा। प्रस्तावित कार्य का विवरण निम्नानुसार है -

Sl. No.	Works to be done	Cost for Four years (Rs. in lakhs)					Remarks
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	Total	
1	Plantation including soil and moisture Conservation works as per norms of forest department surrounding the lease hold	5.00	5.00	5.00	5.00	20.00	
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9	Awareness Programme including Signages, distribution of Pamphlets related to wild life conservation etc.	2.50	2.50	2.50	2.50	10.00	
10	Provision for conservation of Biodiversity among flora and fauna of the area & Preparation of Biodiversity register	20.00	0.00	0.00	0.00	20.00	The amount is to be deposited in the account of Biodiversity Board as this work is to be done by Biodiversity management committees (BMC's)
<b>Total</b>		<b>55.00</b>	<b>35.00</b>	<b>35.00</b>	<b>35.00</b>	<b>160.00</b>	

**ANNEXURE-6  
DETAILS OF FLORA & FAUNA**

**TABLE-1  
DETAILS OF DOMINANT PLANT SPECIES IN MINE LEASE AREA (CORE ZONE)**

Name of the plant Species	Local Name	Family
<i>Butea monosperma</i>	Polas	Fabaceae
<i>Acacia Arabica</i>	Babul	Mimosaceae
<i>Leucaena leucophloea</i>	Sabulal	Mimosaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Citrus lemon</i>	Nimbu	Rutaceae
<i>Emblica officinalis</i>	Amle	Euphorbiaceae
<i>Ficus hispida</i>	Jungli anjar	Moraceae
<i>Spondias cythera</i>	Kathjamun	Myrtaceae
<i>Terminalia catapa</i>	Badam	Combretaceae
<i>Aphida nutica</i>	Grass	Poaceae
<i>Chloris diachrota</i>	Grass	Poaceae
<i>Dichanthium annulatum</i>	Grass	Poaceae
<i>Imperata cylindrica</i>	Grass	Poaceae
<i>Themeda quadrivalvis</i>	Grass	Poaceae
<i>Andropogon subcensuensis</i>	Grass	Poaceae
<i>Eragrostis tenella</i>	Grass	Poaceae
<i>Syntherisma glauca</i>	Grass	Cyperaceae
<i>Hymenoclea maxima</i>	Grass	Gramineae
<i>Parthenium hysterophorus</i>	Congress grass	Compositae
<i>Croton tiliifolius</i>	-	Caesalpiniaceae
<i>Delonix regia</i>	Kachnar	Caesalpiniaceae
<i>Dalbergia sissoo</i>	Sisoo	Caesalpiniaceae

**TABLE-2  
FLORA/VEGETATION IN STUDY AREA (BUFFER ZONE)**

Sr. No.	Technical Name	Family	Life Form
<b>I. Agricultural Crops</b>			
1	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
2	<i>Sorghum vulgare</i>	Poaceae	Hemicryptophyte
3	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
4	<i>Zea mays</i>	Poaceae	Hemicryptophyte
5	<i>Oryza sativa</i>	Poaceae	Hemicryptophyte
6	<i>Pennisetum typhoides</i>	Poaceae	Hemicryptophyte
<b>II. Commercial Crops (including Vegetables)</b>			
7	<i>Abelmoschus indicus</i>	Malvaceae	Therophyte
8	<i>Allium cepa</i>	Liliaceae	Geophyte
9	<i>Allium sativum</i>	Liliaceae	Geophyte
10	<i>Amorpha squamosa</i>	Artocarpaceae	Phanerophyte
11	<i>Aschis hypogea</i>	Fabaceae	Geophyte
12	<i>Catharanthus pusillus</i>	Compositae	Therophyte
13	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
14	<i>Citrus lemon</i>	Rutaceae	Therophyte
15	<i>Colocasia esculenta</i>	Araceae	Geophyte
16	<i>Carex sativum</i>	Umbelliferae	Hemicryptophyte
17	<i>Daucus carota</i>	Umbelliferae	Geophyte
18	<i>Lycopersicon esculentus</i>	Solanaceae	Therophyte
19	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
20	<i>Morinda charantia</i>	Cucurbitaceae	Therophyte
21	<i>Pisum sativum</i>	Fabaceae	Therophyte
22	<i>Psidium guajava</i>	Myrtaceae	Phanerophyte
23	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
24	<i>Litchi chinensis</i>	Sapindaceae	Phanerophyte
<b>III. Plantations</b>			
25	<i>Bauhinia coriacea</i>	Caesalpiniaceae	Phanerophyte
26	<i>Acacia nilotica</i>	Mimosaceae	Phanerophyte
27	<i>Albizia lebbek</i>	Mimosaceae	Phanerophyte
28	<i>Albizia odoratissima</i>	Mimosaceae	Phanerophyte
29	<i>Albizia procera</i>	Mimosaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
30	<i>Azadirachta indica</i>	Meliaceae	Phanerophyte
31	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
32	<i>Bauhinia purpurea</i>	Caesalpinaceae	Phanerophyte
33	<i>Bambusa arundinaceae</i>	Poaceae	Phanerophyte
34	<i>Butea monosperma</i>	Caesalpinaceae	Phanerophyte
35	<i>Butea frondosa</i>	Caesalpinaceae	Phanerophyte
36	<i>Eucalyptus sp</i>	Myrtaceae	Phanerophyte
37	<i>Delonix regia</i>	Caesalpinaceae	Phanerophyte
38	<i>Leucaena leucophloe</i>	Caesalpinaceae	Phanerophyte
<b>IV. Natural Vegetation/Forest Type</b>			
39	<i>Abrus precatorius</i>	Fabaceae	Therophyte
40	<i>Abutilon indicum</i>	Malvaceae	Phanerophyte
41	<i>Acacia Arabica</i>	Mimosaceae	Phanerophyte
42	<i>Acacia auriculiformis</i>	Mimosaceae	Phanerophyte
43	<i>Acacia catechu</i>	Mimosaceae	Phanerophyte
44	<i>Acacia intesia</i>	Mimosaceae	Phanerophyte
45	<i>Acacia fernacea</i>	Mimosaceae	Phanerophyte
46	<i>Acacia leucophloe</i>	Mimosaceae	Phanerophyte
47	<i>Acalypha lanceolata</i>	Mimosaceae	Phanerophyte
48	<i>Acanthospermum hispidum</i>	Euphorbiaceae	Therophyte
49	<i>Achyranthes aspera</i>	Compositae	Therophyte
50	<i>Adathoda vasica</i>	Amaranthaceae	Therophyte
51	<i>Aegle cordifolia</i>	Acanthaceae	Therophyte
52	<i>Aegle marmelos</i>	Rubiaceae	Phanerophyte
53	<i>Aerva lanata</i>	Rutaceae	Phanerophyte
54	<i>Ageratum conyzoides</i>	Compositae	Phanerophyte
55	<i>Ailanthus excelsa</i>	Compositae	Therophyte
56	<i>Alangium salivus</i>	Simaroubaceae	Phanerophyte
57	<i>Albizia odoratissima</i>	Alangiceae	Phanerophyte
58	<i>Albizia procera</i>	Caesalpinaceae	Phanerophyte
59	<i>Astoria scholaris</i>	Caesalpinaceae	Phanerophyte
60	<i>Alternanthera sessilis</i>	Apocynaceae	Phanerophyte
61	<i>Alysicarpus hamulosus</i>	Amaranthaceae	Therophyte
62	<i>Anogeissus latifolia</i>	Fabaceae	Therophyte
63	<i>Anogeissus sericea</i>	Combrataceae	Phanerophyte
64	<i>Argemone mexicana</i>	Compositae	Phanerophyte
65	<i>Azadirachta indica</i>	Papevaraceae	Phanerophyte
66	<i>Baccharis prunoides</i>	Meliaceae	Phanerophyte
67	<i>Bidens biternata</i>	Acanthaceae	Therophyte
68	<i>Blepharis asperima</i>	Compositae	Therophyte
69	<i>Blepharis madraspatens</i>	Acanthaceae	Phanerophyte
70	<i>Blumea lacera</i>	Acanthaceae	Therophyte
71	<i>Boerhaavia chinensis</i>	Compositae	Therophyte
72	<i>Boerhaavia diffusa</i>	Nyctaginaceae	Therophyte
73	<i>Bombax ceiba</i>	Nyctaginaceae	Therophyte
74	<i>Borreria hispida</i>	Bombacaceae	Phanerophyte
75	<i>Borreria stricta</i>	Rubiaceae	Therophyte
76	<i>Boswellia serrata</i>	Rubiaceae	Therophyte
77	<i>Brassica campestris</i>	Burseraceae	Phanerophyte
78	<i>Brietea retusa</i>	Cruciferae	Therophyte
79	<i>Brietea superba</i>	Euphorbiaceae	Phanerophyte
80	<i>Caesalpinia pulcherrima</i>	Euphorbiaceae	Phanerophyte
81	<i>Calotropis procera</i>	Caesalpinaceae	Phanerophyte
82	<i>Canthium didymum</i>	Asciadiaceae	Phanerophyte
83	<i>Capparis aphylla</i>	Rubiaceae	Phanerophyte
84	<i>Capparis deciduas</i>	Capparidaceae	Therophyte
85	<i>Carissa carandus</i>	Capparidaceae	Phanerophyte
86	<i>Cassia spinarum</i>	Apocyanaceae	Phanerophyte
87	<i>Cassia graveolens</i>	Apocyanaceae	Phanerophyte
88	<i>Cassia absus</i>	Samydiaceae	Phanerophyte
89	<i>Cassia absus</i>	Caesalpinaceae	Phanerophyte
90	<i>Cassia auriculata</i>	Caesalpinaceae	Therophyte
91	<i>Cassia occidentalis</i>	Caesalpinaceae	Therophyte
92	<i>Cassia turo</i>	Caesalpinaceae	Therophyte
93	<i>Cestrum diurnum</i>	Caesalpinaceae	Therophyte
94	<i>Cestrum nocturnum</i>	Rubiaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
95	<i>Chloris variegata</i>	Poaceae	Therophyte
96	<i>Cissus quadrangularis</i>	Vitaceae	Therophyte
97	<i>Citrus limon</i>	Rutaceae	Phanerophyte
98	<i>Cleome gynandra</i>	Capparidaceae	Therophyte
99	<i>Combretum ovalifolium</i>	Rubiaceae	Phanerophyte
100	<i>Cordia myxa</i>	Rubiaceae	Phanerophyte
101	<i>Crotalaria medicaginea</i>	Faboaceae	Therophyte
102	<i>Croton bonplandianum</i>	Amaryllidaceae	Therophyte
103	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
104	<i>Datura fastuosa</i>	Solanaceae	Therophyte
105	<i>Datura metel</i>	Solanaceae	Therophyte
106	<i>Desmodium triflorum</i>	Asclepiadaceae	Therophyte
107	<i>Diospyros melanoxylon</i>	Lythraceae	Phanerophyte
108	<i>Diospyros Montana</i>	Lythraceae	Phanerophyte
109	<i>Echinops echinatus</i>	Compositae	Therophyte
110	<i>Eclipta prostrata</i>	Compositae	Hemicryptophyte
111	<i>Emblica officinalis</i>	Euphorbiaceae	Phanerophyte
112	<i>Emilia sycium</i>	Compositae	Hemicryptophyte
113	<i>Erythrina indica</i>	Papilionaceae	Phanerophyte
114	<i>Euphorbia geniculata</i>	Euphorbiaceae	Therophyte
115	<i>Euphorbia hirta</i>	Euphorbiaceae	Therophyte
116	<i>Euphorbia hypericifolia</i>	Euphorbiaceae	Therophyte
117	<i>Euphorbia neruri</i>	Euphorbiaceae	Therophyte
118	<i>Euphorbia nivula</i>	Euphorbiaceae	Therophyte
119	<i>Euphorbia pulchra</i>	Euphorbiaceae	Hemicryptophyte
120	<i>Euphorbia tirucull</i>	Euphorbiaceae	Hemicryptophyte
121	<i>Evolvulus alsinoides</i>	Convolvulaceae	Therophyte
122	<i>Evolvulus numularis</i>	Convolvulaceae	Therophyte
123	<i>Feronia elephantum</i>	Rutaceae	Phanerophyte
124	<i>Ficus benghalensis</i>	Moraceae	Phanerophyte
125	<i>Ficus carica</i>	Moraceae	Phanerophyte
126	<i>Ficus glomerata</i>	Moraceae	Phanerophyte
127	<i>Ficus hepata</i>	Moraceae	Phanerophyte
128	<i>Ficus racemosa</i>	Moraceae	Phanerophyte
129	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
130	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
131	<i>Gardenia latifolia</i>	Rubiaceae	Phanerophyte
132	<i>Gardenia lucida</i>	Rubiaceae	Phanerophyte
133	<i>Garuga pinnata</i>	Burseraceae	Phanerophyte
134	<i>Glossocardia bosvelia</i>	Compositae	Hemicryptophyte
135	<i>Gmelina arborea</i>	Rubiaceae	Phanerophyte
136	<i>Gomphrena globosa</i>	Amaranthaceae	Therophyte
137	<i>Gossypium herbaceum</i>	Malvaceae	Therophyte
138	<i>Grewia abutilifolia</i>	Tiliaceae	Phanerophyte
139	<i>Grewia salivifolia</i>	Tiliaceae	Phanerophyte
140	<i>Grewia subinaqualis</i>	Tiliaceae	Phanerophyte
141	<i>Gynandropsis gynandra</i>	Capparidaceae	Hemicryptophyte
142	<i>Helictis isora</i>	Rubiaceae	Phanerophyte
143	<i>Heliotropium indicum</i>	Rubiaceae	Hemicryptophyte
144	<i>Heliotropium ovalifolium</i>	Rubiaceae	Hemicryptophyte
145	<i>Hemidesmus indicus</i>	Asclepiadaceae	Phanerophyte
146	<i>Hibiscus caesus</i>	Malvaceae	Hemicryptophyte
147	<i>Holarrhena antidysenterica</i>	Asclepiadaceae	Phanerophyte
148	<i>Holostemma annularia</i>	Asclepiadaceae	Phanerophyte
149	<i>Hydrophyllia auriculata</i>	Acanthaceae	Hemicryptophyte
150	<i>Hyptis suaveolens</i>	Labiatae	Therophyte
151	<i>Ichnocarpus frutes</i>	Poaceae	Hemicryptophyte
152	<i>Impatiens balsamiana</i>	Balsaminaceae	Therophyte
153	<i>Indigofera hirsuta</i>	Caesalpinaceae	Therophyte
154	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
155	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
156	<i>Ipomea aquatica</i>	Convolvulaceae	Hydrophyte
157	<i>Ipomea coccinea</i>	Convolvulaceae	Therophyte
158	<i>Ipomea tuba</i>	Convolvulaceae	Hemicryptophyte
159	<i>Isora arborea</i>	Rubiaceae	Phanerophyte
160	<i>Isora parviflora</i>	Rubiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
161	<i>Ixora singaporensis</i>	Rubiaceae	Phanerophyte
162	<i>Jasminum arborescens</i>	Oleaceae	Phanerophyte
163	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Therophyte
164	<i>Jussiaea suffruticosa</i>	Onagraceae	Hydrophyte
165	<i>Justia diffusa</i>	Acanthaceae	Therophyte
166	<i>Justia diffusa</i>	Acanthaceae	Therophyte
167	<i>Lactuca punctata</i>	Compositae	Therophyte
168	<i>Lannea coramandalica</i>	Anacardiaceae	Phanerophyte
169	<i>Lannea grandis</i>	Anacardiaceae	Phanerophyte
170	<i>Lannea procumbens</i>	Anacardiaceae	Therophyte
171	<i>Lantana camara</i>	Veroinaceae	Phanerophyte
172	<i>Leavsonia inermis</i>	Lythraceae	Phanerophyte
173	<i>Lepidogathis cristata</i>	Acanthaceae	Therophyte
174	<i>Leptodermis reticulata</i>	Asclepiadeaceae	Phanerophyte
175	<i>Leucas aspera</i>	Labiatae	Therophyte
176	<i>Leucas longifolia</i>	Labiatae	Therophyte
177	<i>Leucas longifolia</i>	Labiatae	Therophyte
178	<i>Leucena leucophloea</i>	Caesalpinaceae	Phanerophyte
179	<i>Lindenbergia indica</i>	Scrophulariaceae	Therophyte
180	<i>Lindenbergia ciliata</i>	Scrophulariaceae	Therophyte
181	<i>Lophophora trichinatus</i>	Scrophulariaceae	Geophyte
182	<i>Luffa acutangularis</i>	Cucurbitaceae	Therophyte
183	<i>Lycopersicon esculentum</i>	Solanaceae	Therophyte
184	<i>Madhua latifolia</i>	Sapotaceae	Phanerophyte
185	<i>Mallotus philippinus</i>	Euphorbiaceae	Phanerophyte
186	<i>Malvastrum coramandalicum</i>	Malvaceae	Therophyte
187	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
188	<i>Marselia quadrifolia</i>	Marseliaceae	Phanerophyte
189	<i>Melia azadirachta</i>	Meliaceae	Phanerophyte
190	<i>Nemordica dioeca</i>	Cucurbitaceae	Therophyte
191	<i>Nermetia emerginata</i>	Convolvulaceae	Therophyte
192	<i>Nichaula champaca</i>	Annonaceae	Phanerophyte
193	<i>Nolintonia hirsuta</i>	Bignoniaceae	Phanerophyte
194	<i>Mimosa humata</i>	Mimosaceae	Therophyte
195	<i>Nitragyna parviflora</i>	Rubiaceae	Phanerophyte
196	<i>Mollugo curviana</i>	Alzaceae	Therophyte
197	<i>Mollugo hirta</i>	Alzaceae	Therophyte
198	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
199	<i>Morus alba</i>	Moraceae	Phanerophyte
200	<i>Mucuna pruriata</i>	Papilionaceae	Hemicryptophyte
201	<i>Murraya exotica</i>	Rutaceae	Phanerophyte
202	<i>Murraya koenigii</i>	Rutaceae	Phanerophyte
203	<i>Musa paradisiaca</i>	Musaceae	Therophyte
204	<i>Nympha sp</i>	Magnoliaceae	Hydrophyte
205	<i>Ocimum americanum</i>	Labiatae	Therophyte
206	<i>Ocimum basilicum</i>	Labiatae	Therophyte
207	<i>Ocimum canum</i>	Labiatae	Therophyte
208	<i>Ocimum sanctum</i>	Labiatae	Therophyte
209	<i>Oldenlandia umbellata</i>	Convolvulaceae	Therophyte
210	<i>Oldenlandia corymbosa</i>	Rubiaceae	Therophyte
211	<i>Opeinia oclensis</i>	Papilionaceae	Phanerophyte
212	<i>Opuntia dilinii</i>	Opuntiaceae	Therophyte
213	<i>Opuntia elator</i>	Cactaceae	Therophyte
214	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
215	<i>Panicum milliria</i>	Poaceae	Hemicryptophyte
216	<i>Panicum notatum</i>	Poaceae	Hemicryptophyte
217	<i>Papaver somniferum</i>	Papaveraceae	Hemicryptophyte
218	<i>Parkinsonia aculeata</i>	Mimosaceae	Phanerophyte
219	<i>Parthenium hysterophorus</i>	Compositae	Therophyte
220	<i>Paspalum strobilanthus</i>	Passifloraceae	Hemicryptophyte
221	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
222	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
223	<i>Peltanophorum ferrugineum</i>	Caesalpinaceae	Phanerophyte
224	<i>Phoenix aculis</i>	Palmae	Phanerophyte
225	<i>Phyllanthus asperulatus</i>	Euphorbiaceae	Phanerophyte
226	<i>Phyllanthus emblica</i>	Euphorbiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
227	<i>Phyllanthus niruri</i>	Euphorbiaceae	Therophyte
228	<i>Phyllanthus reticulatus</i>	Euphorbiaceae	Therophyte
229	<i>Physalis minima</i>	Solanaceae	Therophyte
230	<i>Pithecolobium dulce</i>	Mimosaceae	Phanerophyte
231	<i>Polyalthia longifolia</i>	Annonaceae	Phanerophyte
232	<i>Polygala crepita</i>	Polycalaceae	Therophyte
233	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
234	<i>Portulaca oleracea</i>	Portulacaceae	Therophyte
235	<i>Psidium guajava</i>	Myrtaceae	Phanerophyte
236	<i>Punica granatum</i>	Punicaceae	Therophyte
237	<i>Randia dumetorum</i>	Rubiaceae	Phanerophyte
238	<i>Rosa indica</i>	Rosaceae	Therophyte
239	<i>Rosa machata</i>	Rosaceae	Therophyte
240	<i>Saccharum mitis</i>	Poaceae	Hemicryptophyte
241	<i>Saccharum officinarum</i>	Poaceae	Therophyte
242	<i>Salmalia malabarica</i>	Salmaliaceae	Phanerophyte
243	<i>Sapindus emarginatus</i>	Sapindaceae	Phanerophyte
244	<i>Schleichera trijuga</i>	Combretaceae	Phanerophyte
245	<i>Schreberia swalenoides</i>	Sapindaceae	Phanerophyte
246	<i>Schleichera oleosa</i>	Sapindaceae	Phanerophyte
247	<i>Sesamum indicum</i>	Pedaliaceae	Hemicryptophyte
248	<i>Shorea robusta</i>	Dipterocarpaceae	Phanerophyte
249	<i>Sida orientalis</i>	Malvaceae	Phanerophyte
250	<i>Sida acuminata</i>	Malvaceae	Hemicryptophyte
251	<i>Solanum nigrum</i>	Solanaceae	Therophyte
252	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
253	<i>Streulia villosa</i>	Tiliaceae	Therophyte
254	<i>Stereospermum chinoides</i>	Bignoniaceae	Phanerophyte
255	<i>Syzygium cumini</i>	Myrtaceae	Phanerophyte
256	<i>Tamarindus indica</i>	Caesalpinaceae	Phanerophyte
257	<i>Tecomella undulata</i>	Bignoniaceae	Therophyte
258	<i>Tectona grandis</i>	Verbinaceae	Phanerophyte
259	<i>Tephrosia purpura</i>	Fabaceae	Therophyte
260	<i>Terminalia bellarica</i>	Combretaceae	Phanerophyte
261	<i>Terminalia chebula</i>	Combretaceae	Phanerophyte
262	<i>Terminalia tomentosa</i>	Combretaceae	Phanerophyte
263	<i>Thespora cordifolia</i>	Rhamnaceae	Therophyte
264	<i>Triagus biflorus</i>	Poaceae	Hemicryptophyte
265	<i>Tribulus terrestris</i>	Zygophyllaceae	Therophyte
266	<i>Triax procumbens</i>	Compositae	Therophyte
267	<i>Truniferta pilosa</i>	Tiliaceae	
268	<i>Veronica cinerea</i>	Compositae	Therophyte
269	<i>Vicia indica</i>	Compositae	Phanerophyte
270	<i>Vitex negundo</i>	Verbinaceae	Phanerophyte
271	<i>Vitex negundo</i>	Verbinaceae	Therophyte
272	<i>Vitis vermifera</i>	Vitaceae	Therophyte
273	<i>Vivevera zizanioides</i>	Poaceae	Therophyte
274	<i>Wrightia tomentosa</i>	Apocyanaceae	Phanerophyte
275	<i>Xanthium strumarium</i>	Compositae	Therophyte
276	<i>Yucca gloriosa</i>	Agavaceae	Therophyte
277	<i>Zizyphus jujube</i>	Rhamnaceae	Phanerophyte
278	<i>Zizyphus mauritiana</i>	Rhamnaceae	Phanerophyte
<b>V. Grasslands</b>			
279	<i>Apluda mutica</i>	Poaceae	Hemicryptophyte
280	<i>Chloris dolichoeta</i>	Poaceae	Hemicryptophyte
281	<i>Cynodactylon sp.</i>	Poaceae	Geophyte
282	<i>Dichanthum annulatum</i>	Poaceae	Hemicryptophyte
283	<i>Imperata cylindrica</i>	Poaceae	Hemicryptophyte
284	<i>Saccharum spontaneum</i>	Poaceae	Hemicryptophyte
285	<i>Themeda quadrivalvis</i>	Poaceae	Hemicryptophyte
286	<i>Aristida adscensionis</i>	Poaceae	Hemicryptophyte
287	<i>Conchus olaris</i>	Poaceae	Therophyte
288	<i>Conchus setigera</i>	Poaceae	Therophyte
289	<i>Cymbopogon javanicus</i>	Cyperaceae	Hemicryptophyte
290	<i>Cyperus aristatus</i>	Cyperaceae	Therophyte
291	<i>Cyperus triceps</i>	Cyperaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
292	<i>Dactyloctenium aegyptium</i>	Poaceae	Therophyte
293	<i>Digitaria bicornis</i>	Poaceae	Hemicryptophyte
294	<i>Digitaria Segetaria</i>	Poaceae	Hemicryptophyte
295	<i>Eragrostis bifera</i>	Poaceae	Therophyte
296	<i>Eragrostis tenella</i>	Poaceae	Therophyte
297	<i>Ischaemum rugosum</i>	Poaceae	Hemicryptophyte
298	<i>Sefaria glauca</i>	Cyperaceae	Hemicryptophyte
299	<i>Eulaliopsis binata</i>	Graminae	Hemicryptophyte
300	<i>Thysanolaena maxima</i>	Graminae	Hemicryptophyte
<b>Endangered plants</b>		No endangered plant species observed during study period and also from records of Botanical Survey of India (Red data of Books of Indian Plants)	

**TABLE-3**  
**FAUNA AND THEIR CONSERVATION STATUS FROM MINE LEASE AREA (CORE ZONE)**

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) Status
<b>Aves</b>		
<i>Phalacrocorax niger</i>	Little cormorant	Sch-IV
<i>Nycticorax nycticorax</i>	Night heron	Sch-IV
<i>Ardeola grayii grayii</i>	Paddy bird	Sch-IV
<i>Bubulcus ibis coromandus</i>	Cattle egret	Sch-IV
<i>Eudynamis scolopacea</i>	Indian koel	Sch-IV
<i>Neops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV
<i>Dinopium benghalense tehinwae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
<b>Butterflies</b>		
<i>Hyalimnas bolina Lin.</i>	Green morpho	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Neptis hylax Moore</i>	Common sailer	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Parantika aglea Stoll.</i>	Glassy tiger	-
<b>Mammals</b>		
<i>Funambulus palmarum</i>	Squirrel	-
<i>Sus sucrofa</i>	Wild pig	Sch-IV
<i>Herpestes edwardsi</i>	Common mongoose	Sch-III
<i>Vulpus benghalensis</i>	Wild fox	Sch-IV
<i>Hystrix indica</i>	Porcupine	Sch-IV

**TABLE-4**  
**FAUNA AND THEIR CONSERVATION STATUS IN STUDY AREA (BUFFER ZONE)**

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) Status
<b>Aves</b>		
<i>Phalacrocorax niger</i>	Little cormorant	-
<i>Ardea purpurea malienis</i>	Eastern purple heron	Sch-IV
<i>Nycticorax nycticorax</i>	Night heron	Sch-IV
<i>Ardeola grayii grayii</i>	Paddy bird	Sch-IV
<i>Upetor flavicollis</i>	Black bittern	Sch-IV
<i>Ardea alba modesta</i>	Large egret	Sch-IV
<i>Bubulcus ibis coromandus</i>	Cattle egret	Sch-IV
<i>Nivus migrans govinde</i>	Common pariah kite	Sch-IV
<i>Haliastur indus indus</i>	Brahminy kite	Sch-IV
<i>Vanelius indicus indicus</i>	Redwattled lapwing	Sch-IV
<i>Tringa hypoleucos</i>	Common sandpiper	Sch-IV
<i>Gelochelidon nilotica nilotica</i>	Gullbilled tern	Sch-IV
<i>Eudynamis scolopacea</i>	Indian koel	Sch-IV
<i>Halcyon smyrnensis fusca</i>	Indian white breasted Kingfisher	Sch-IV
<i>Neops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV

Technical Name	English Name/Local Name	Wild Life Protection Act (1972)
<i>Circus benghalensis indica</i>	Southern Indian Roller	Sch-IV
<i>Dinopium benghalense tehrinae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Corvus splendens protegatus</i>	Ceylon house crow	Sch-IV
<i>Neotarinia minima</i>	Small sunbird	Sch-IV
<i>Nectarinia zeylonica sola</i>	Indian purple rumped sunbird	Sch-IV
<i>Arachnothera longirostris longirostris</i>	Little spider hunter	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
<i>Copsychus saularis ceylonensis</i>	Southern magpie-robin	Sch-IV
<i>Orthotomus sutorius</i>	Tailor bird-guzurata	Sch-IV
<i>Pavocristatus</i>	Peacock	Part-III of Sch-I
<b>Amphibians</b>		
<i>Rana tigrina</i>	Common frog	Sch-IV
<i>Bufo melanostictus</i>	Toad	Sch-IV
<b>Reptiles</b>		
<i>Calotes versicolor</i>	Lizard	Sch-IV
<i>Calotes versicolor</i>	Common garden lizard	Sch-IV
<i>Chamaeleon zeylonicus</i>	Indian chameleon	Sch-II
<i>Lycodon spp.</i>	Wolf snake	Sch-III
<i>Duga spp.</i>	Cat snake	Sch-III
<i>Bungarus spp.</i>	Krait	Sch-II
<i>Naja naja</i>	Indian cobra	Sch-III
<i>Viper a spp.</i>	Russell viper	Sch-III
<i>Python sp.</i>	Python sp.	Sch-I
<b>Butterflies</b>		
<i>Pachliopta hector Lin.</i>	Crimson rose	-
<i>Papilio demoleus Lin.</i>	Lime butterfly	-
<i>Graphium ajacium Lin.</i>	Tailed Jay	-
<i>Junonia almana Lin.</i>	Peacock pansy	-
<i>Hypolimnys bolina Lin.</i>	Great egret	-
<i>Euphaea core Cramer</i>	Common crow	-
<i>Nepes hylas Moore</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common gress yellow	-
<i>Catopsila sp.</i>	Emigrant	-
<b>Mammals</b>		
<i>Rattus sp.</i>	Rat	Sch-IV
<i>Lepus nigricollis</i>	Hare	Sch-IV
<i>Canis auies</i>	Jackal	Sch-III
<i>Prestbytis entellus</i>	Langur	Sch-II
<i>Prestbytis phayrei</i>	Monkey	Sch-I
<i>Funambulus spp.</i>	Squirrel	Sch-IV
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus sicrofa</i>	Wild pig	Sch-III
<i>Rattus norvegicus</i>	Field mouse	Sch-V
<i>Rattus rattus</i>	House rat	Sch-V
<i>Rhinolopus spp.</i>	Bat	Sch-V
<i>Hipposiderus spp.</i>	Bat	Sch-V
<i>Herpestes edwardii</i>	Common mongoose	Sch-IV
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Vulpus benghalensis</i>	Wild fox	Sch-III
<i>Melurus ursinus</i>	Bear	Sch-III
<i>Hystrix indica</i>	Porcupine	Sch-IV
<i>Axis axis</i>	Spotted deer	Sch-III
<i>Canis lupas pallipes</i>	Indian wolf	Part-I of Sch-I
<i>Mellivora capensis</i>	Indian Ratel	Part-I of Sch-I
<i>Elephas maximus</i>	Indian Elephant	Part-I of Sch-I
<i>Felis chaus</i>	Jungle cat	Part-II of sch-II
<i>Paradoxurus hermaphroditus</i>	Indian Small civet	Part-I of sch-I
<i>Muntiacus muntiacus</i>	Barking deer	Sch-III
<i>Macaca mulata</i>	Monkey	Part-I of Sch-I

**HINDALCO INDUSTRIES LIMITED**  
**SAMRI MINES DIVISION**

**Year wise /lease wise Afforestation details**

Year	Kudag lease	
	No. of Saplings	Area in Ha
1998-2017	117570	49.98
2017-18	2960	1.22
2018-19	2780	1.11
2019-20	2980	1.2
2020-21	4865	2.405
2021-22	3270	0.354
2022-23	5020	1.519
2023-24	4170	1.105
2024-25	4360	1.738
2025-26	2765	0.9
<b>Total</b>	<b>150740</b>	<b>61.531</b>

**HINDALCO INDUSTRIES LIMITED**  
**Samri Mines Division**  
**Ground Water Level Data (October' 2025 to March' 2026)**

<b>Kudag Mine Lease Piezometer Reading</b>		
<b>S No</b>	<b>Month</b>	<b>Depth (meter)</b>
1	October-25	29.3
2	November-25	30.2
3	December-25	30.7
4	January-26	30.5
5	February-26	30.9
6	March-26	31.0



# Anacon Laboratories

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## Test Report

Test Report No.: ALPL/09042026/23-17

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District. Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-89 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuikar as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.20 pm	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required</b> Coliform, <i>Escherichia coli</i> , Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
I		Discipline : Biological		Group : Water		
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
2	<i>Escherichia coli</i>	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
II		Discipline : Chemical		Group : Water		
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	144.2
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)
5	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	27.63
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	30.2
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	16.9
14	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO <sub>3</sub>	45	No relaxation	BLQ(LOQ-2)
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
16	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.66
17	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	6.9
19	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	203
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ(LOQ-0.1)
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	145
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed by

Trupti Bakde  
Senior Chemist

Authorized Signatories

Pranita Manchewar  
Dy. Technical Manager

Chinmay Garwady  
Deputy Quality Manager



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Test Report No.: ALPL/09042026/23-17

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District: Bairampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-89	<b>Analysis Start</b> 30.03.2026
		<b>Inward Date</b> 30.03.2026	<b>Analysis End</b> 09.04.2026
		<b>Reference</b> 13562310264; 17.05.2024	<b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No ANtr/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.20 pm	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required</b> Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	<b>Discipline : Chemical</b>	<b>Group : Residues and contaminants in water</b>				
	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.42
31	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
II	<b>Discipline : Chemical</b>	<b>Group : Residues contaminants in water</b>				
37	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
49	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed by

Rajan Shende  
Senior Chemist

Kashish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Gawde  
Deputy Quality Manager





Test Report

Test Report No.: ALPL/09042026/23-17

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-89 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GV-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No ANI/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.20 pm	<b>Sampling Location</b> Saraidh (Hindalco Campus)
<b>Tests required</b> , Polynuclear aromatic hydrocarbons, Trihalomethanes			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
ii	Discipline : Chemical	Group : Residues contaminants in water		Material or Product tested: Drinking water		
40	Polynuclear aromatic hydrocarbons			0.1	No relaxation	
	Naphthalene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluorene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Chrysene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Indeno(1,2,3-cd)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	ANtr/7.2/RES/04	BLQ (LOQ-0.03)		
	Benzo(ghi)perylene	µg/l	ANtr/7.2/RES/04	BLQ (LOQ-0.03)		
43	Trihalomethanes					
i	Bromofom	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05)
ii	Dibromochloromethane	mg/l		0.1	No relaxation	BLQ (LOQ-0.05)
iii	Bromodichloromethane	mg/l		0.06	No relaxation	BLQ (LOQ-0.05)
iv	Chlorofom	mg/l		0.2	No relaxation	BLQ (LOQ-0.05)

Please refer last Page for Note and Remarks.

Reviewed by

Kanchish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garwal  
Deputy Quality Manager





Test Report

Test Report No.: ALPL/09042026/23-17

Dated 09/04/2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Durnarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-89	<b>Analysis Start</b> 30.03.2026
		<b>Inward Date</b> 30.03.2026	<b>Analysis End</b> 09.04.2026
		<b>Reference</b> 13562310264; 17.05.2024	<b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babulkar as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.20 pm	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required - Pesticide Residues Organochlorine</b>			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
III	<b>Discipline : Chemical</b>					
	<b>Group : Residues contaminants in water</b>					
41	<b>Pesticide Residues Organochlorine</b>					
1	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
3	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
4	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
5	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
6	p,p'-DDE, o,p'-DDE, p,p'-DDD, o,p'-DDD, o,p'- DDT, p,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
7	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
9	Endosulphan					
	Alpha-Endosulphan					
	Beta-Endosulphan	µg/l	ANtr/7.2/RES/01	0.4	No relaxation	BLQ (LOQ-0.03)
	Endosulphan sulphate					

Please refer last Page for Note and Remarks.

Reviewed by  
  
Kashi Dhanrajani  
Deputy Technical Manager

Authorized Signatory  
  
Chinmay Ganay  
Deputy Quality Manager





# Anacon Laboratories

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## Test Report

Test Report No.: ALPL/09042026/23-17

Dated 09/04/2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-89 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No. ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.20 pm	<b>Sampling Location</b> Saraidh (Hindalco Campus)
<b>Tests required - Pesticide Residues Organophosphorus</b>			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
IV	Discipline : Chemical		Group : Residues contaminants in water			
41	Pesticide Residues Organophosphorus					
10	Isoproturon	µg/l	ANtr/7.2/RES/02	9	No relaxation	BLO (LOQ-0.03)
11	Monocrotophos	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLO (LOQ-0.03)
12	Parathion methyl	µg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLO (LOQ-0.03)
	Paraoxon methyl	µg/l	ANtr/7.2/RES/01	-	-	BLO (LOQ-0.03)
13	Malathion	µg/l	ANtr/7.2/RES/01	190	No relaxation	BLO (LOQ-0.03)
	Malaaxon	µg/l	ANtr/7.2/RES/01	-	-	BLO (LOQ-0.03)
14	Ethion	µg/l	ANtr/7.2/RES/01	3	No relaxation	BLO (LOQ-0.03)
15	Chlorpyrifos	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLO (LOQ-0.03)
16	Phorate	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLO (LOQ-0.03)
	Phorate-sulfone		ANtr/7.2/RES/01			
	Phorate-sulfoxide		ANtr/7.2/RES/01			

**NOTE:** ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● mg/l is equivalent to ppm. ● µg/l is equivalent to ppb. ● BLO= below limit of quantification, LOQ= limit of quantification ● ANtr/7.2/RES-01, ANtr/7.2/RES/06: inhouse validated method. ● Sampling Method ANtd/7.2/MON-01 ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.6/05).

**REMARKS:** As requested by the client, sample was tested for above parameters only. Sample bearing the details mentioned as above is complying with IS 10500 : 2012 requirements for the test.

Reviewed by

Kashish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Gargay  
Deputy Quality Manager

-----END OF REPORT-----



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on [feedback@anacon.in](mailto:feedback@anacon.in).



# Anacon Laboratories

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## Test Report

Test Report No.: ALPL/09042026/23-18

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District: Balrampur (C.G.)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-90 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264, 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuikar as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.40 pm	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> Coliform, <i>Escherichia coli</i> , Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
<b>I</b>						
Discipline : Biological			Group : Water			
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
2	<i>Escherichia coli</i>	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
<b>II</b>						
Discipline : Chemical			Group : Water			
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	112.6
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)
5	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	25.6
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	26.5
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	15.7
14	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO <sub>3</sub>	45	No relaxation	BLQ(LOQ-2)
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
16	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.04
17	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	5.6
19	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	211
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ (LOQ-0.1)
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	131
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed by

Trupti Bakde  
Senior Chemist

Authorized Signatories

Prahlada Manjekar  
Dy. Technical Manager

Chinmay Garway  
Deputy Quality Manager



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*Test Report*

Test Report No.: ALPL/09042026/23-18

Dated 09/04/2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District. Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-90 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No.ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.40 pm	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	<b>Discipline : Chemical</b>	<b>Group : Residues and contaminants in water</b>				
24	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.36
31	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
II	<b>Discipline : Chemical</b>	<b>Group : Residues contaminants in water</b>				
37	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
39	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed by

Anurag Shende  
Senior Chemist

Kaushik Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager





*Test Report*

Test Report No.: ALPL/09042026/23-18

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samin(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-90 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.40 pm	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> , Polynuclear aromatic hydrocarbons, Trihalomethanes			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
II	Discipline : Chemical	Group : Residues contaminants in water	Material or Product tested: Drinking water			
40	Polynuclear aromatic hydrocarbons					
	Naphthalene	µg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluorene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Chrysene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Indeno(1,2,3-cd)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(ghi)perylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
41	Trihalomethanes					
i	Bromoform	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05)
ii	Dibromochloromethane	mg/l		0.1	No relaxation	BLQ (LOQ-0.05)
iii	Bromodichloromethane	mg/l		0.06	No relaxation	BLQ (LOQ-0.05)
iv	Chloroform	mg/l		0.2	No relaxation	BLQ (LOQ-0.05)

ⓘ Please refer last Page for Note and Remarks.

Reviewed by

Kashish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Ganay  
Deputy Quality Manager





Test Report

Test Report No.: ALPL/09042026/23-18

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-90 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampled by</b> Anacon representative Mr. Akshay Babu/akar as per Sampling Method No.ANId/7.2/MON-01		<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.40 pm	<b>Sampling Location</b> Kudag Village
<b>Tests required - Pesticide Residues Organochlorine</b>			

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
III	<b>Discipline : Chemical Group : Residues contaminants in water</b>					
42	<b>Pesticide Residues Organochlorine</b>					
1	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLO (LOQ-0.01)
	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLO (LOQ-0.03)
	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLO (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLO (LOQ-0.03)
3	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLO (LOQ-0.03)
4	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLO (LOQ-0.03)
	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLO (LOQ-0.03)
5	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLO (LOQ-0.03)
6	p,p'-DDE, o,p'-DDE, p,p'-DDD, o,p'-DDD, o,p'- DDT, p,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLO (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLO (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLO (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLO (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLO (LOQ-0.03)
7	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLO (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLO (LOQ-0.03)
9	Endosulphan	µg/l	ANtr/7.2/RES/01	0.4	No relaxation	BLO (LOQ-0.03)
	Alpha-Endosulphan					
	Beta-Endosulphan					
	Endosulphan sulphate					

☐ Please refer last Page for Note and Remarks.

Reviewed by

Kashish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garkay  
Deputy Quality Manager





Test Report

Test Report No.: ALPL/09042026/23-18

Dated 09.04.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District: Balrampur (C.G)	<b>Sample Inward No.</b> ALPL/30032026/ENV-2/90-90 <b>Inward Date</b> 30.03.2026 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 30.03.2026 <b>Analysis End</b> 09.04.2026 <b>Report Issue Date</b> 09.04.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking
<b>Sampled by</b> Anacon representative Mr. Akshay Babuulkar as per Sampling Method No ANtd/7.2/MON-01		<b>Quantity Received</b> 5 Ltr + 250ml
<b>Sampling Date:</b> 04.03.2026 <b>Sampling Time:</b> 03.40 pm		<b>Sampling Location</b> Kudag Village
<b>Tests required - Pesticide Residues Organophosphorus</b>		

**TEST RESULTS**

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit	
IV	Discipline : Chemical		Group : Residues contaminants in water			
42	Pesticide Residues Organophosphorus					
10	Isoproturon	µg/l	ANtr/7.2/RES/02	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
12	Parathion methyl	µg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
	Paraoxon methyl	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
13	Malathion	µg/l	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
	Malaoxon	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
14	Ethion	µg/l	ANtr/7.2/RES/01	3	No relaxation	BLQ (LOQ-0.03)
15	Chlorpyrifos	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
16	Phorate	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfone		ANtr/7.2/RES/01			
	Phorate-sulfoxide		ANtr/7.2/RES/01			

**NOTE:** ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● mg/l is equivalent to ppm. ● µg/l is equivalent to ppb. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● ANtr/7.2/RES-01, ANtr/7.2/RES/06: Inhouse validated method. ● Sampling Method-ANtd/7.2/MON-01 ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.05).

**REMARKS:** As requested by the client, sample was tested for above parameters only. Sample bearing the details mentioned as above is complying with IS 10500 : 2012 requirements for the test.

Reviewed by

Kashish Dhanrajehi  
Deputy Technical Manager

Authorized Signatory

Chinmay Ganpaty  
Deputy Quality Manager

-----END OF REPORT-----





# Anacon Laboratories

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## Test Report

Test Report No.: ALPL/09012026/08-5

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District. Balrampur (C.G.)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-5 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtd/7 2/MON-01		<b>Sampling Date:</b> 21.12.2025 <b>Sampling Time:</b> 11.00 am	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required</b> Coliform, Escherichia coli, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
<b>I</b>						
			<b>Discipline : Biological</b>	<b>Group : Water</b>		
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	253
2	Escherichia coli	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
<b>II</b>						
			<b>Discipline : Chemical</b>	<b>Group : Water</b>		
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	157.62
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)
5	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	23.48
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	25.6
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	BLQ(LOQ-2)
14	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO <sub>3</sub>	45	No relaxation	BLQ(LOQ-2)
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
16	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.58
17	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	3.22
19	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	113
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ(LOQ-0.1)
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	64
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed By

Snehal Raut  
Technical Manager

Authorized Signatories

Pranita Manchewar  
Dy. Technical Manager

Chinmay Garwade  
Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-5

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Durnarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-5 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 21.12.2025 <b>Sampling Time:</b> 11.00 am	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required</b> Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	<b>Discipline : Chemical</b>					
	<b>Group : Residues and contaminants in water</b>					
	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.39
31	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
II	<b>Discipline : Chemical</b>					
	<b>Group : Residues contaminants in water</b>					
37	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
49	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)

□ Please refer last Page for Note and Remarks.

Reviewed by

Dhanashree Hiwanj  
 Sr. Technical Assistant

Kasth Dhanrajani  
 Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-5

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District. Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-5 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310254; 17.05.2024		<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026	
<b>Sample Description</b> Ground Water		<b>Sample Particulars / Details</b> GW-4		<b>Purpose of analysis</b> Drinking	
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No.ANtd/7.2/MON-01		<b>Sampling Date:</b> 21.12.2025 <b>Sampling Time:</b> 11.00 am		<b>Quantity Received</b> 5 Ltr  <b>Sampling Location</b> Saraidih (Hindalco Campus)	
<b>Tests required .</b> Polynuclear aromatic hydrocarbons, Trihalomethanes					

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
ii	Discipline : Chemical	Group : Residues contaminants in water		Material or Product tested: Drinking water		
40	Polynuclear aromatic hydrocarbons			0.1	No relaxation	
	Naphthalene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluorene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Chrysene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Indeno(1,2,3-cd)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	ANtr/7.2/RES/04	BLQ (LOQ-0.03)		
	Benzo(ghi)perylene	µg/l	ANtr/7.2/RES/04	BLQ (LOQ-0.03)		
43	Trihalomethanes					
i	Bromoform	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05)
ii	Dibromochloromethane	mg/l		0.1	No relaxation	BLQ (LOQ-0.05)
iii	Bromodichloromethane	mg/l		0.06	No relaxation	BLQ (LOQ-0.05)
iv	Chloroform	mg/l		0.2	No relaxation	BLQ (LOQ-0.05)

☐ Please refer last Page for Note and Remarks.

Reviewed By

*Kaushal Dhanrajani*  
 Kaushal Dhanrajani  
 Deputy Technical Manager

Authorized Signatory

*Chinmay Garway*  
 Chinmay Garway  
 Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-5

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District. Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-5 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 21.12.2025 <b>Sampling Time:</b> 11.00 am	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required - Pesticide Residues Organochlorine</b>			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	Discipline : Chemical Group : Residues contaminants in water					
41	Pesticide Residues Organochlorine					
1	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
3	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
4	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
5	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
6	p,p'-DDE, o,p'-DDE, p,p'-DDD, o,p'-DDD, o,p'-DOT, p,p'- DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
7	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
9	Endosulphan					
	Alpha-Endosulphan	µg/l	ANtr/7.2/RES/01	0.4	No relaxation	BLQ (LOQ-0.03)
	Beta-Endosulphan					
	Endosulphan sulphate					

Please refer last Page for Note and Remarks.

Reviewed By

Kashish Dhanrajani  
 Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-5

Dated 09.01.2026

Page 5 of 5

<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samn(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-5 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264, 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-4	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No.ANtd/7.2/MON-01		<b>Sampling Date:</b> 21.12.2025 <b>Sampling Time:</b> 11.00 am	<b>Sampling Location</b> Saraidih (Hindalco Campus)
<b>Tests required - Pesticide Residues Organophosphorus</b>			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
IV	Discipline : Chemical		Group : Residues contaminants in water			
41	Pesticide Residues Organophosphorus					
10	Isoproturon	µg/l	ANtr/7.2/RES/02	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
12	Parathion methyl	µg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
	Paraoxon methyl	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
13	Malathion	µg/l	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
	Malaaxon	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
14	Ethion	µg/l	ANtr/7.2/RES/01	3	No relaxation	BLQ (LOQ-0.03)
15	Chlorpyrifos	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
16	Phorate	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfone		ANtr/7.2/RES/01			
	Phorate-sulfoxide		ANtr/7.2/RES/01			

**NOTE:** ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only  
● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● mg/l is equivalent to ppm. ● µg/l is equivalent to ppb. ● BLQ= below limit of quantification. ● LOQ= limit of quantification.  
● Result for test no. 8 is not relevant. ● ANtr/7.2/RES-01, ANtr/7.2/RES/06: Inhouse validated method. ● NT indicates not Tested as sample failed to establish safety concerns. ● Sampling Method-AHtd/7.2/MON-01 ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.805).

**REMARKS:** As requested by the client, sample was tested for above parameters only Sample bearing the details mentioned as above is not complying with IS 10500 : 2012 requirements for the test sr. no. - 1.

Reviewed By

Kashish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

-----END OF REPORT-----



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## Test Report

Test Report No.: ALPL/09012026/08-8

Dated 09.01.2026

Page 1 of 5

<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkhol, Tehsil Samri(Kusmi), Dist: Bairampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-6 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264, 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No.ANtd/7.2/MON-01		<b>Sampling Date:</b> 20.12.2025 <b>Sampling Time:</b> 11.15 am	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> Coliform, <i>Escherichia coli</i> , Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
		Discipline : Biological		Group : Water		
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	120
2	<i>Escherichia coli</i>	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
		Discipline : Chemical		Group : Water		
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	94.57
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)
5	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	18.79
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	12.0
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	BLQ(LOQ-2)
14	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO <sub>3</sub>	45	No relaxation	BLQ(LOQ-2)
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable
16	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.83
17	Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	2.29
19	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	145
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ (LOQ-0.1)
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	68
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed By

  
Snehal Rajul  
Technical Manager

Authorized Signatories

  
Pranita Manchewar  
Dy. Technical Manager

  
Chinmay Garway  
Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-6

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-6 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 20.12.2025 <b>Sampling Time:</b> 11.15 am	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	Discipline : Chemical	Group : Residues and contaminants in water				
24	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.36
31	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
II	Discipline : Chemical	Group : Residues contaminants in water				
37	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
39	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Reviewed by

Dhanashree Hiwari  
Sr. Technical Assistant

Kanchish Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-6

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), Distric. Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-6 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtd/7.2/MON-01		<b>Sampling Date:</b> 20.12.2025 <b>Sampling Time:</b> 11.15 am	<b>Sampling Location</b> Kudag Village
<b>Tests required</b> , Polynuclear aromatic hydrocarbons, Trihalomethanes			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
ii	Discipline : Chemical	Group : Residues contaminants in water		Material or Product tested: Drinking water		
40	Polynuclear aromatic hydrocarbons			0.1	No relaxation	
	Naphthalene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluorene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Chrysene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Indeno(123,cd)pyrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	Benzo(ghi)perylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
41	Trihalomethanes					
i	Bromoform	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05)
ii	Dibromochloromethane	mg/l		0.1	No relaxation	BLQ (LOQ-0.05)
iii	Bromodichloromethane	mg/l		0.06	No relaxation	BLQ (LOQ-0.05)
iv	Chloroform	mg/l		0.2	No relaxation	BLQ (LOQ-0.05)

□ Please refer last Page for Note and Remarks.

Reviewed By

Kashis Dhanrajani  
Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-6

Dated 09.01.2026

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<b>Issued To :</b> <b>M/s Hindalco Industries Limited</b> Kudag Village, P.O. Dumarkhol, Tehsil Samri(Kusmi), Distrc: Balrampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-6 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264, 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No.ANtd/7.2/MON-01		<b>Sampling Date:</b> 20.12.2025 <b>Sampling Time:</b> 11.15 am	<b>Sampling Location</b> Kudag Village
<b>Tests required - Pesticide Residues Organochlorine</b>			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	Discipline : Chemical Group : Residues contaminants in water					
42	Pesticide Residues Organochlorine					
1	Alpha-HCH	µg/l	ANtr/7.2/RES/01	0.01	No relaxation	BLQ (LOQ-0.01)
	Beta HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
	Delta- HCH	µg/l	ANtr/7.2/RES/01	0.04	No relaxation	BLQ (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
3	Alachlor	µg/l	ANtr/7.2/RES/01	20	No relaxation	BLQ (LOQ-0.03)
4	Aldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
	Dieldrin	µg/l	ANtr/7.2/RES/01	0.03	No relaxation	BLQ (LOQ-0.03)
5	Butachlor	µg/l	ANtr/7.2/RES/01	125	No relaxation	BLQ (LOQ-0.03)
6	p,p'-DDE, o,p'-DDE, p,p'-DDD, o,p'-DDD, o,p'-DDT, p,p'-DDT	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
		µg/l	ANtr/7.2/RES/01			BLQ (LOQ-0.03)
7	Atrazine	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
9	Endosulphan					
	Alpha-Endosulphan					
	Beta-Endosulphan	µg/l	ANtr/7.2/RES/01	0.4	No relaxation	BLQ (LOQ-0.03)
	Endosulphan sulphate					

Please refer last Page for Note and Remarks.

Reviewed By

Kanchan Dhanrajani  
 Deputy Technical Manager

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager



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## Test Report

Test Report No.: ALPL/09012026/08-6

Dated 09.01.2026

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<b>Issued To :</b> M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samr(Kusmi), District: Bairampur (C.G)		<b>Sample Inward No.</b> ALPL/241225/EW -1/14-6 <b>Inward Date</b> 24.12.2025 <b>Reference</b> 13562310264; 17.05.2024	<b>Analysis Start</b> 24.12.2025 <b>Analysis End</b> 07.01.2026 <b>Report Issue Date</b> 09.01.2026
<b>Sample Description</b> Ground Water	<b>Sample Particulars / Details</b> GW-5	<b>Purpose of analysis</b> Drinking	<b>Quantity Received</b> 5 Ltr
<b>Sampled by</b> Anacon representative Mr. Akhil Mahajan as per Sampling Method No ANtr/7.2/MON-01		<b>Sampling Date:</b> 20.12.2025 <b>Sampling Time:</b> 11.15 am	<b>Sampling Location</b> Kudag Village
<b>Tests required - Pesticide Residues Organophosphorus.</b>			

### TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
IV	Discipline : Chemical		Group : Residues contaminants in water			
42	Pesticide Residues Organophosphorus					
10	Isoproturon	µg/l	ANtr/7.2/RES/02	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/l	ANtr/7.2/RES/01	1	No relaxation	BLQ (LOQ-0.03)
12	Parathion methyl	µg/l	ANtr/7.2/RES/01	0.3	No relaxation	BLQ (LOQ-0.03)
	Paraoxon methyl	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
13	Malathion	µg/l	ANtr/7.2/RES/01	190	No relaxation	BLQ (LOQ-0.03)
	Malaaxon	µg/l	ANtr/7.2/RES/01	-	-	BLQ (LOQ-0.03)
14	Ethion	µg/l	ANtr/7.2/RES/01	3	No relaxation	BLQ (LOQ-0.03)
15	Chlorpyrifos	µg/l	ANtr/7.2/RES/01	30	No relaxation	BLQ (LOQ-0.03)
16	Phorate	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfone		ANtr/7.2/RES/01			
	Phorate-sulfoxide		ANtr/7.2/RES/01			

**NOTE:** • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable samples shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • mg/l is equivalent to 'ppm'. • µg/l is equivalent to 'ppb'. • BLQ= below limit of quantification. • LOQ= limit of quantification. • Result for test no. 8 is not relevant. • ANtr/7.2/RES-01, ANtr/7.2/RES/06: Inhouse validated method. • NT: indicates not Tested as sample failed to establish safety concerns. • Sampling Method-ANtr/7.2/MON-01 • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.805).

**REMARKS:** As requested by the client, sample was tested for above parameters only. Sample bearing the details mentioned as above is not complying with IS 10500 : 2012 requirements for the test sr. no. - 1.

Reviewed By

Kashish Dhanrajani  
 Deputy Technical Manager

Authorized Signatory

Chinmay Barway  
 Deputy Quality Manager

-----END OF REPORT-----



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सत्यमेव जयते



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

PROJECT NAME KUDAG BAUXITE MINES OF M/S HINDALCO INDUSTRIES LIMITED	
PROJECT ADDRESS VILLAGE KUDAG BLOCK KUSMI	PIN CODE 497224
STATE CHHATTISGARH	DISTRICT BALRAMPUR TOWN/BLOCK KUSMI
COMMUNICATION ADDRESS MINES DIVISION, COURT ROAD	
ADDRESS OF CGWB REGIONAL OFFICE Reena Apartment, 2nd Floor, NH 43, Dhamtari Road, Panchpedi Naka, Raipur- 492001, Chattisgarh.	
1. NOC NO. NOC/MIN/CG/2025/1803/R-3/3	2. DATE OF ISSUANCE 10/04/2025
3. APPLICATION NO. MIN/CG/2025/1803/R-3	4. APPLICATION TYPE Mining
5. PROJECT STATUS Existing Project	6. NOC TYPE Renew
7. VALID FROM 29/04/2025	8. VALID UP TO 28/04/2027
9. WATER QUALITY TYPE Fresh Water	10. AREA TYPE CATEGORY Safe (GWRE - 2024)

11. Ground Water Abstraction Permitted

GW Abstraction		Dewatering		Total	
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year
2.00	730.00	0.00	0.00	2.00	730.00

12. Details of Ground Water Abstraction /Dewatering Structures

EXISTING 1					PROPOSED 0					TOTAL 1				
DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu	DW	DCB	BW	TW	Pu
0	0	1	0	0	0	0	0	0	0	0	0	1	0	0

\*DW-Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; Pu Pumps;

13. No. Of Mine Pits

EXISTING	PROPOSED	TOTAL
0	0	0

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

Phase I (within 30 days)

1. Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) is mandatory for all users seeking No Objection Certificate. Intimation regarding their installation shall be updated in Self-Compliance Module (Phase-I) of BhuNeer APP portal within 30 days of grant of No Objection Certificate.

Phase II (after 11 months)

## HINDALCO INDUSTRIES LIMITED

### Samri Mines Division

<b>Self Help Group (SHGs)</b>	
<b>No. of SHGs:</b>	<b>12</b>
<b>No of Beneficiaries:</b>	<b>120</b>
<b>No of group linked with bank:</b>	<b>12</b>
<b>Average Saving / Group – Rs.</b>	<b>Rs. 10,000/-</b>
<b>10,000/-Facility provided to groups:</b>	<b>Register, Passbook, Dari, Sewing Machine, Income Generation training and other exposure programme like linkages with bank and training with NRLM.</b>
<b>Groups engaged in income generation activities:</b>	<b>12</b>

Unit: Hindalco Industries Limited, Samri Mines Division							
SHGs Details (Kudag)							
Sl. No	SHG Name	Village Name	District Name	No Of Members	A/C Details		Economic Activity Name
					Members Savings in Bank A/C	Bank Loan Received	
1	Nuri Self Help Group	Saraidih	Balrampur	10	9850.00	-	Agriculture
2	Shabnam Self Help Group	Saraidih	Balrampur	10	11000.00	-	Agriculture
3	Suhana Self Help Group	Saraidih	Balrampur	10	6000.00	-	
4	Rupa Self Self Help Group	Saraidih	Balrampur	10	12500.00	-	Agriculture
5	Sushila Self Help Group	Banjutoli	Balrampur	10	11650.00	-	Agriculture
6	Chameli Self Help Group	Bata	Balrampur	10	20000.00	-	Agriculture
7	Chameli Self Help Group	Bata (Banjutoli)	Balrampur	10	21000.00	-	Agriculture
8	Punam Self Help Group	Balapani	Balrampur	10	19500.00	-	Agriculture
9	Gulab Self Help Group	Kudag	Balrampur	10	13134.00	-	Agriculture
10	Shubham Self Help Group	Balapani	Balrampur	10	6500.00	-	Agriculture
11	Chameli Self Help Group	Kudag	Balrampur	10	12000.00	-	Agriculture
12	Resham Self Help Group	Kudag	Balrampur	10	8000.00	-	Agriculture



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Test Report

Page 1 of 1

**Ambient Air Quality-January-2026**

Report No.:-	ALPL/09022026/22-1	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
<b>Test Method</b>			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	02-01-2026	66.2	20.2	19.8	22.1	BLQ (LOQ-0.5)
		06-01-2026	69.7	17.1	20.1	21	BLQ (LOQ-0.5)
		09-01-2026	62.9	25.1	24.6	28.79	BLQ (LOQ-0.5)
		13-01-2026	60.9	26.3	13.62	19.44	BLQ (LOQ-0.5)
		19-01-2026	64.1	23.4	21.78	23.4	BLQ (LOQ-0.5)
		24-01-2026	66.8	18.8	28.25	27.38	BLQ (LOQ-0.5)
		28-01-2026	62.5	21.4	20.28	21.75	BLQ (LOQ-0.5)
		30-01-2026	58.5	19.1	22.1	23.5	BLQ (LOQ-0.5)
<b>NAAQMS Standards</b>			<b>100 (24 hrs)</b>	<b>60 (24 hrs)</b>	<b>80 (24 hrs)</b>	<b>80 (24 hrs)</b>	<b>2.0 (8 hrs)</b>

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
<b>Test Method</b>			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	02-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
<b>NAAQMS Standards</b>			<b>1.0 (24 hrs)</b>	<b>----</b>	<b>6.0 (annual)</b>	<b>----</b>

**NOTES:** • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition – Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

**Remark:** - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

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## Test Report

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### Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-2	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	02-01-2026	68.8	27.1	20.1	25.6	BLQ (LOQ-0.5)
		06-01-2026	64.7	25.7	15.4	24.5	BLQ (LOQ-0.5)
		09-01-2026	62.5	24	14.6	20.3	BLQ (LOQ-0.5)
		13-01-2026	59.1	24.8	14.9	23.4	BLQ (LOQ-0.5)
		19-01-2026	64.4	23	28.9	20.4	BLQ (LOQ-0.5)
		24-01-2026	67.6	24.6	12.5	16.5	BLQ (LOQ-0.5)
		28-01-2026	65.7	26.4	16.5	18.9	BLQ (LOQ-0.5)
		30-01-2026	71.5	28.6	18.9	20.9	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	02-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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Test Report

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Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-3	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	02-01-2026	75.9	24.6	12.3	24.5	BLQ (LOQ-0.5)
		06-01-2026	69.9	25.9	11.8	20.4	BLQ (LOQ-0.5)
		09-01-2026	78	26.9	21.5	21.1	BLQ (LOQ-0.5)
		13-01-2026	73.1	23.5	25.6	19.6	BLQ (LOQ-0.5)
		19-01-2026	80.1	20.8	25.5	18.1	BLQ (LOQ-0.5)
		24-01-2026	67	23.9	14.4	23.3	BLQ (LOQ-0.5)
		28-01-2026	65	26.5	12.2	16.0	BLQ (LOQ-0.5)
		30-01-2026	61.3	24.5	11.3	19.9	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	02-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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Test Report

Page 1 of 1

**Ambient Air Quality-January-2026**

Report No.:-	ALPL/09022026/22-4	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	02-01-2026	68.2	28	10.3	16.3	BLQ (LOQ-0.5)
		06-01-2026	74.9	26.2	17.5	19.7	BLQ (LOQ-0.5)
		09-01-2026	70.3	29.7	15.4	16.2	BLQ (LOQ-0.5)
		13-01-2026	65.9	27.4	23.5	20.8	BLQ (LOQ-0.5)
		19-01-2026	75.4	25.5	16.9	21.3	BLQ (LOQ-0.5)
		24-01-2026	69.6	24.5	17.5	23.2	BLQ (LOQ-0.5)
		28-01-2026	67.9	29.7	20.0	20.3	BLQ (LOQ-0.5)
		30-01-2026	70.9	31.9	17.9	18.0	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	02-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: -All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-5	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	05-01-2026	61.7	22.9	20.4	14.7	BLQ (LOQ-0.5)
		07-01-2026	63.8	26	12.3	15.6	BLQ (LOQ-0.5)
		10-01-2026	63	25	15.6	23.5	BLQ (LOQ-0.5)
		14-01-2026	65.2	26.9	22.7	14.7	BLQ (LOQ-0.5)
		16-01-2026	64.1	24	20.4	25.6	BLQ (LOQ-0.5)
		20-01-2026	67.9	26.5	15.8	28.9	BLQ (LOQ-0.5)
		21-01-2026	63.3	24.2	21.5	16.5	BLQ (LOQ-0.5)
		27-01-2026	60.9	28.6	24.6	16.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	05-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Barde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

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## Test Report

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### Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-6	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-6	Dhandiapat/ Nr. Mining Area	05-01-2026	60.8	20.7	17.7	25.9	BLQ (LOQ-0.5)
		07-01-2026	58.5	25.5	18.7	24.8	BLQ (LOQ-0.5)
		10-01-2026	64.9	22.8	20.4	24	BLQ (LOQ-0.5)
		14-01-2026	59.4	20.8	19.2	24.5	BLQ (LOQ-0.5)
		16-01-2026	49.1	21.9	18.4	21.3	BLQ (LOQ-0.5)
		20-01-2026	56.5	18.3	18.6	20.4	BLQ (LOQ-0.5)
		21-01-2026	53.6	19.1	19.4	19.1	BLQ (LOQ-0.5)
		27-01-2026	58.8	22.9	20.3	23.9	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dhandiapat/ Nr. Mining Area	05-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition – Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
 Senior Chemist

Dhanashree Hiwanj  
 Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager

---End of Report---



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## Anacon Laboratories Pvt. Ltd. Nagpur Lab

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### Test Report

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#### Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-7	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-7	Tatijharia Village/ Nr. Weigh Bridge	02-01-2026	62.3	18.2	10.2	20.1	BLQ (LOQ-0.5)
		06-01-2026	63.1	19.5	9.1	14.5	BLQ (LOQ-0.5)
		09-01-2026	61.2	20.1	13.84	21.6	BLQ (LOQ-0.5)
		13-01-2026	59.2	22.3	10.89	15.3	BLQ (LOQ-0.5)
		19-01-2026	58.4	24.6	17.74	18.46	BLQ (LOQ-0.5)
		24-01-2026	52.4	18.9	20.5	20.7	BLQ (LOQ-0.5)
		28-01-2026	48.2	17.4	15.6	16.7	BLQ (LOQ-0.5)
		30-01-2026	49.7	18.5	21.2	20	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr. Weigh Bridge	02-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---

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## Test Report

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Ambient Air Quality-January-2026

Report No.:-	ALPL/09022026/22-8	Report Date:-	09.02.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02022026/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.02.2026
Test Started On:-	03.02.2026	Test Completed On:-	09.02.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	05-01-2026	54.4	28.8	13.2	23.1	BLQ (LOQ-0.5)
		07-01-2026	73.6	23.5	20.6	11.7	BLQ (LOQ-0.5)
		10-01-2026	58.3	27.3	20.7	19.4	BLQ (LOQ-0.5)
		14-01-2026	76.6	25	23.8	23.9	BLQ (LOQ-0.5)
		16-01-2026	59.2	25.6	18.5	20.8	BLQ (LOQ-0.5)
		20-01-2026	59.6	27.7	14.6	15.6	BLQ (LOQ-0.5)
		21-01-2026	56.4	33.2	22.0	20.2	BLQ (LOQ-0.5)
		27-01-2026	75.6	30.8	20.1	15.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	05-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27-01-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

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Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-1	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P. O. Dumarkholi, Tehsil Samri (Kusmi), Disrict. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	03-02-2026	68.7	31.9	15.2	26.7	BLQ (LOQ-0.5)
		07-02-2026	73	29	10.2	25.69	BLQ (LOQ-0.5)
		12-02-2026	77.5	32.1	14.67	20.3	BLQ (LOQ-0.5)
		14-02-2026	76.4	31.7	11.3	22.69	BLQ (LOQ-0.5)
		19-02-2026	74.2	28.2	17.4	19.9	BLQ (LOQ-0.5)
		21-02-2026	76.1	31	14.8	18.7	BLQ (LOQ-0.5)
		23-02-2026	75	33.6	12.4	19.2	BLQ (LOQ-0.5)
		26-02-2026	71.8	31.7	12.6	15.9	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

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Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-2	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	03-02-2026	64.4	25.9	7.2	12.7	BLQ (LOQ-0.5)
		07-02-2026	69	23	8.4	20.1	BLQ (LOQ-0.5)
		12-02-2026	71.2	25.1	10.2	21.3	BLQ (LOQ-0.5)
		14-02-2026	66.9	22.2	11.4	11.6	BLQ (LOQ-0.5)
		19-02-2026	62.6	20.2	12.3	15.6	BLQ (LOQ-0.5)
		21-02-2026	67.1	22.8	13.5	16.3	BLQ (LOQ-0.5)
		23-02-2026	61.6	25.4	10.8	18.8	BLQ (LOQ-0.5)
		26-02-2026	55.5	23.6	11.6	11.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

## Anacon Laboratories Pvt. Ltd. Nagpur Lab

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### Test Report

Page 1 of 1

Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-3	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	03-02-2026	63.7	27.5	6.5	9.9	BLQ (LOQ-0.5)
		07-02-2026	69.5	24.1	8.9	8.7	BLQ (LOQ-0.5)
		12-02-2026	66.7	21.2	7.2	12.1	BLQ (LOQ-0.5)
		14-02-2026	75.3	24.9	8.8	18.1	BLQ (LOQ-0.5)
		19-02-2026	64.4	22.8	11.9	13.0	BLQ (LOQ-0.5)
		21-02-2026	71.1	20.9	7.1	10.8	BLQ (LOQ-0.5)
		23-02-2026	68.6	24.5	7.0	9.2	BLQ (LOQ-0.5)
		26-02-2026	65.1	27	11.2	16.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

Page 1 of 1

Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-4	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03-02-2026	69.6	25.4	8.1	16.6	BLQ (LOQ-0.5)
		07-02-2026	74.4	21.3	7.5	14.5	BLQ (LOQ-0.5)
		12-02-2026	67.8	24.9	6.5	11.6	BLQ (LOQ-0.5)
		14-02-2026	60.6	23.7	12.8	16.3	BLQ (LOQ-0.5)
		19-02-2026	66.3	23.8	11.2	14.5	BLQ (LOQ-0.5)
		21-02-2026	64.1	26.1	14.1	15.6	BLQ (LOQ-0.5)
		23-02-2026	70.4	28.7	8.0	9.4	BLQ (LOQ-0.5)
		26-02-2026	64.9	26.9	9.3	13.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

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### Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-5	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	02-02-2026	70.5	28.6	10.19	15.7	BLQ (LOQ-0.5)
		05-02-2026	75	31.7	15.31	19.9	BLQ (LOQ-0.5)
		10-02-2026	73.9	31.3	16.59	22.9	BLQ (LOQ-0.5)
		13-02-2026	71.7	27.8	12.4	24.4	BLQ (LOQ-0.5)
		16-02-2026	73.6	22.9	13.2	21.9	BLQ (LOQ-0.5)
		18-02-2026	72.5	28.3	14.3	22.6	BLQ (LOQ-0.5)
		23-02-2026	69.3	31.8	9.9	22.4	BLQ (LOQ-0.5)
		25-02-2026	70.2	27.2	10.9	21.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	02-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwey  
Deputy Quality Manager

---End of Report---



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### Test Report

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#### Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-6	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-6	Dhandiapat/ Nr. Mining Area	02-02-2026	75.1	32.4	18.5	26.3	BLQ (LOQ-0.5)
		05-02-2026	71.2	32	13.1	25	BLQ (LOQ-0.5)
		10-02-2026	74.7	29.1	18.3	23.7	BLQ (LOQ-0.5)
		13-02-2026	73.2	28.4	15.6	21.8	BLQ (LOQ-0.5)
		16-02-2026	74	32	11.8	21.3	BLQ (LOQ-0.5)
		18-02-2026	78.8	32.8	10.1	18.2	BLQ (LOQ-0.5)
		23-02-2026	71.3	29.8	14.8	19.1	BLQ (LOQ-0.5)
		25-02-2026	67.9	30.1	12.3	19.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dhandiapat/ Nr. Mining Area	02-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwey  
Deputy Quality Manager

---End of Report---



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### Test Report

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#### Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-7	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-7	Tatijharia Village/ Nr. Weigh Bridge	03-02-2026	63.7	26.7	15.1	21.4	BLQ (LOQ-0.5)
		07-02-2026	68.3	24.4	14.1	22.4	BLQ (LOQ-0.5)
		12-02-2026	62.1	27.7	12.3	16.9	BLQ (LOQ-0.5)
		14-02-2026	61.4	23.9	11.7	17.8	BLQ (LOQ-0.5)
		19-02-2026	69.5	31.9	14.3	22.7	BLQ (LOQ-0.5)
		21-02-2026	74.8	28.1	12.2	22	BLQ (LOQ-0.5)
		23-02-2026	62.6	24.5	15.47	18.5	BLQ (LOQ-0.5)
		26-02-2026	65.6	31.8	10.99	16.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr. Weigh Bridge	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

Page 1 of 1

#### Ambient Air Quality-February-2026

Report No.:-	ALPL/07032026/25-8	Report Date:-	07.03.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkhohi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/28022026/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	28.02.2026
Test Started On:-	02.03.2026	Test Completed On:-	07.03.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	03-02-2026	66.3	24.9	11.2	20.1	BLQ (LOQ-0.5)
		07-02-2026	69.3	26.5	11.9	18	BLQ (LOQ-0.5)
		12-02-2026	63.2	28.3	11.1	19.1	BLQ (LOQ-0.5)
		14-02-2026	61.1	21.1	12.2	21	BLQ (LOQ-0.5)
		19-02-2026	59.5	26.8	10.6	19.5	BLQ (LOQ-0.5)
		21-02-2026	61.4	23.1	11.4	20	BLQ (LOQ-0.5)
		23-02-2026	64.6	25.1	10.2	21.3	BLQ (LOQ-0.5)
		26-02-2026	69.9	23.9	9.1	20.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	03-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26-02-2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganjay  
Deputy Quality Manager

----End of Report----



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### Test Report

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Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-1	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	05.03.2026	58.2	23.6	5.8	10.9	BLQ (LOQ-0.5)
		07.03.2026	68.3	22.1	7.1	13.0	BLQ (LOQ-0.5)
		11.03.2026	63.2	21.2	5.7	9.7	BLQ (LOQ-0.5)
		14.03.2026	55.6	22.8	7.2	12.3	BLQ (LOQ-0.5)
		18.03.2026	54.7	23.6	6.5	12.2	BLQ (LOQ-0.5)
		21.03.2026	65.3	25.5	5.9	11.9	BLQ (LOQ-0.5)
		25.03.2026	60.2	20.48	6.9	13.3	BLQ (LOQ-0.5)
		28.03.2026	54.3	21	7.1	14.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Garwey  
Deputy Quality Manager

---End of Report---



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### Test Report

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#### Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-2	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	05.03.2026	68.9	22.3	8.2	13.2	BLQ (LOQ-0.5)
		07.03.2026	73.6	26.3	7.4	14.5	BLQ (LOQ-0.5)
		11.03.2026	62.3	24.6	7.3	9.0	BLQ (LOQ-0.5)
		14.03.2026	77.9	21.4	2.9	8.1	BLQ (LOQ-0.5)
		18.03.2026	70.2	25.3	3.7	12.7	BLQ (LOQ-0.5)
		21.03.2026	73.8	20	5.0	10.7	BLQ (LOQ-0.5)
		25.03.2026	71	23.9	5.3	12.1	BLQ (LOQ-0.5)
		28.03.2026	67.5	27.5	7.5	11.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

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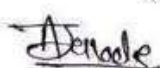
#### Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-3	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	05.03.2026	54.3	21.2	9.5	16.4	BLQ (LOQ-0.5)
		07.03.2026	57.3	24.1	7.1	15.6	BLQ (LOQ-0.5)
		11.03.2026	56	21.3	14.7	15.8	BLQ (LOQ-0.5)
		14.03.2026	57.1	23.1	7.2	10.7	BLQ (LOQ-0.5)
		18.03.2026	60.2	24.1	4.7	8.1	BLQ (LOQ-0.5)
		21.03.2026	62.5	23.1	6.8	12.0	BLQ (LOQ-0.5)
		25.03.2026	58.5	24.5	10.5	8.9	BLQ (LOQ-0.5)
		28.03.2026	50.3	22.1	11.1	9.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● Environmental condition – Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by  
  
 Trupti Bakde  
 Senior Chemist

  
 Rajkiran Shende  
 Senior Chemist

Authorized Signatory  
  
 Chinmay Garway  
 Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

## Anacon Laboratories Pvt. Ltd. Nagpur Lab

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### Test Report

Page 1 of 1

Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-4	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	05.03.2026	74.7	32.6	13.5	17.1	BLQ (LOQ-0.5)
		07.03.2026	67.3	35.2	12.5	15.1	BLQ (LOQ-0.5)
		11.03.2026	72.6	32.5	11.9	14.6	BLQ (LOQ-0.5)
		14.03.2026	66.7	38.6	13.6	15.7	BLQ (LOQ-0.5)
		18.03.2026	68.5	33.6	12.3	16.6	BLQ (LOQ-0.5)
		21.03.2026	68.3	28.4	12.7	14.6	BLQ (LOQ-0.5)
		25.03.2026	70.8	29.4	13.6	18.7	BLQ (LOQ-0.5)
		28.03.2026	68.3	32.5	11.5	17.2	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
 Senior Chemist

Rajkumar Shende  
 Senior Chemist

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager

---End of Report---



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### Test Report

Ambient Air Quality-March-2026

Page 1 of 1

Report No.:-	ALPL/09042026/23-5	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	04.03.2026	74.3	36.9	13.1	16.9	BLQ (LOQ-0.5)
		06.03.2026	71.2	32.6	10.4	15.0	BLQ (LOQ-0.5)
		10.03.2026	75	33.3	15.5	20.2	BLQ (LOQ-0.5)
		13.03.2026	70.9	34.4	10.9	14.0	BLQ (LOQ-0.5)
		17.03.2026	77.7	39.7	14.1	17.1	BLQ (LOQ-0.5)
		19.03.2026	78.8	35.3	11.3	15.5	BLQ (LOQ-0.5)
		24.03.2026	71.5	33.9	8.8	14.7	BLQ (LOQ-0.5)
		26.03.2026	65.7	30.2	13.8	19.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	04.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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https://www.anaconlaboratories.com

### Test Report

Ambient Air Quality-March-2026

Page 1 of 1

Report No.:-	ALPL/09042026/23-6	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-6	Dhandiapat/ Nr. Mining Area	04.03.2026	70.9	37.4	10.0	24.1	BLQ (LOQ-0.5)
		06.03.2026	71.7	35.7	15.1	22.3	BLQ (LOQ-0.5)
		10.03.2026	69.4	38.5	10.3	24.6	BLQ (LOQ-0.5)
		13.03.2026	70.2	34.4	16.0	20.7	BLQ (LOQ-0.5)
		17.03.2026	72.2	36.9	11.8	15.3	BLQ (LOQ-0.5)
		19.03.2026	68.9	34.9	14.6	19.0	BLQ (LOQ-0.5)
		24.03.2026	72.8	35.5	10.7	12.3	BLQ (LOQ-0.5)
		26.03.2026	74.2	39.3	10.4	16.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dhandiapat/ Nr. Mining Area	04.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

Page 1 of 1

#### Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-7	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANTd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	05.03.2026	60.2	24.3	9.4	11.7	BLQ (LOQ-0.5)
		07.03.2026	61.6	22.8	5.7	10.7	BLQ (LOQ-0.5)
		11.03.2026	59.8	21.9	6.6	12.2	BLQ (LOQ-0.5)
		14.03.2026	56.6	23.5	7.2	11.6	BLQ (LOQ-0.5)
		18.03.2026	61.3	24.2	7.3	15.6	BLQ (LOQ-0.5)
		21.03.2026	63.2	26.1	7.6	16.1	BLQ (LOQ-0.5)
		25.03.2026	55.9	21.08	5.6	14.8	BLQ (LOQ-0.5)
		28.03.2026	56.3	21.6	6.9	15.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Garwal  
Deputy Quality Manager

---End of Report---



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## Test Report

### Ambient Air Quality-March-2026

Report No.:-	ALPL/09042026/23-8	Report Date:-	09.04.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/30032026/ENV-2/90-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	30.03.2026
Test Started On:-	31.03.2026	Test Completed On:-	09.04.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	05.03.2026	66.0	21.7	11.2	18.8	BLQ (LOQ-0.5)
		07.03.2026	58.5	24.2	10.1	18.3	BLQ (LOQ-0.5)
		11.03.2026	56.6	23.3	11.0	19.9	BLQ (LOQ-0.5)
		14.03.2026	57.8	24.9	13.3	18.1	BLQ (LOQ-0.5)
		18.03.2026	53.6	25.4	10.8	19.7	BLQ (LOQ-0.5)
		21.03.2026	62.2	20.1	11.8	20.0	BLQ (LOQ-0.5)
		25.03.2026	58.9	22.28	12.9	19.7	BLQ (LOQ-0.5)
		28.03.2026	59.7	22.8	13.1	18.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	05.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.03.2026	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards

Reviewed by

Trupti Bakde  
Senior Chemist

Rajkiran Shende  
Senior Chemist

Authorized Signatory

Chinmay Ganay  
Deputy Quality Manager

----End of Report----



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## Test Report

Page 1 of 1

Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-1	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-1 to 8
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	01.12.2025	61.7	27.3	12.5	16.4	BLQ (LOQ-0.5)
		04.12.2025	67.2	31.4	13.7	18.4	BLQ (LOQ-0.5)
		09.12.2025	64.6	26.8	11.5	16.8	BLQ (LOQ-0.5)
		12.12.2025	78.5	28.2	13.4	15.7	BLQ (LOQ-0.5)
		16.12.2025	63.4	25.6	12.1	17.4	BLQ (LOQ-0.5)
		19.12.2025	68.9	29.4	10.4	16.8	BLQ (LOQ-0.5)
		23.12.2025	65.2	26.2	12.1	16.3	BLQ (LOQ-0.5)
		29.12.2025	61.8	22.5	12.5	15.5	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	01.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Getway  
Deputy Quality Manager

---End of Report---



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## Test Report

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### Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-2	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village.P.O. Dumarkholi, Tehsil Samri (Kusmi), Distric: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-9 to 16
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	01.12.2025	66.2	27.3	13.1	14.3	BLQ (LOQ-0.5)
		04.12.2025	70.8	30.2	11.4	16.8	BLQ (LOQ-0.5)
		09.12.2025	81.5	26.8	10.7	18.2	BLQ (LOQ-0.5)
		12.12.2025	60.4	25.4	12.4	17.3	BLQ (LOQ-0.5)
		16.12.2025	61.1	27.3	11.6	15.5	BLQ (LOQ-0.5)
		19.12.2025	58.9	24.6	13.7	13.5	BLQ (LOQ-0.5)
		23.12.2025	64.1	26.4	9.8	16.8	BLQ (LOQ-0.5)
		29.12.2025	66.2	28.1	10.5	14.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	01.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-3	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-17 to 24
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	01.12.2025	63.8	28.7	12.1	18.4	BLQ (LOQ-0.5)
		04.12.2025	68.9	27.2	14.4	17.1	BLQ (LOQ-0.5)
		09.12.2025	74.6	24.4	13.5	15.8	BLQ (LOQ-0.5)
		12.12.2025	71.2	22.5	12.3	19.5	BLQ (LOQ-0.5)
		16.12.2025	69.1	27.5	14.1	17.5	BLQ (LOQ-0.5)
		19.12.2025	73.7	30.6	13.5	20.3	BLQ (LOQ-0.5)
		23.12.2025	70.8	27.9	11.8	19.3	BLQ (LOQ-0.5)
		29.12.2025	67.3	30.6	12.9	18.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	01.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

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#### Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-4	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-25 to 32
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	01.12.2025	74.7	32.6	13.5	17.1	BLQ (LOQ-0.5)
		04.12.2025	67.3	35.2	12.5	15.1	BLQ (LOQ-0.5)
		09.12.2025	72.6	32.5	11.9	14.6	BLQ (LOQ-0.5)
		12.12.2025	66.7	38.6	13.6	15.7	BLQ (LOQ-0.5)
		16.12.2025	68.5	33.6	12.3	16.6	BLQ (LOQ-0.5)
		19.12.2025	68.3	28.4	12.7	14.6	BLQ (LOQ-0.5)
		23.12.2025	70.8	29.4	13.6	18.7	BLQ (LOQ-0.5)
		29.12.2025	68.3	32.5	11.5	17.2	BLQ (LOQ-0.5)
NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	01.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-5	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-33 to 40
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	02.12.2025	71.8	28.7	12.6	17.8	BLQ (LOQ-0.5)
		05.12.2025	69.4	25.7	10.5	15.5	BLQ (LOQ-0.5)
		10.12.2025	74.7	27.3	13.5	16.1	BLQ (LOQ-0.5)
		13.12.2025	69.7	28.8	14.7	15.8	BLQ (LOQ-0.5)
		17.12.2025	61.4	25.5	12.5	16.6	BLQ (LOQ-0.5)
		20.12.2025	70.4	29.6	13.3	18.2	BLQ (LOQ-0.5)
		24.12.2025	64.8	32.3	11.3	16.8	BLQ (LOQ-0.5)
		30.12.2025	68.7	28.2	11.8	14.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	02.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

----End of Report----



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on [feedback@anacon.in](mailto:feedback@anacon.in).



# Anacon Laboratories

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## Test Report

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Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-6	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-41 to 48
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-6	Dumerkholi/ Nr. Mining Area	02.12.2025	61.5	23.8	13.9	17.2	BLQ (LOQ-0.5)
		05.12.2025	65.3	27.7	11.4	19.1	BLQ (LOQ-0.5)
		10.12.2025	67.2	25.6	14.3	14.9	BLQ (LOQ-0.5)
		13.12.2025	69.4	28.3	15.8	17.6	BLQ (LOQ-0.5)
		17.12.2025	59.3	23.6	13.9	19.1	BLQ (LOQ-0.5)
		20.12.2025	66.4	29.2	12.9	19.8	BLQ (LOQ-0.5)
		24.12.2025	71.6	26.5	15.3	17.6	BLQ (LOQ-0.5)
		30.12.2025	74.2	29.4	12.9	18.5	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dumerkholi/ Nr. Mining Area	02.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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**Remark:** - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

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Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-7	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-49 to 56
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	02.12.2025	70.6	28.7	15.1	19.3	BLQ (LOQ-0.5)
		05.12.2025	66.5	26.5	13.9	21.1	BLQ (LOQ-0.5)
		10.12.2025	75.6	32.8	12.9	18.3	BLQ (LOQ-0.5)
		13.12.2025	68.8	27.3	10.6	16.3	BLQ (LOQ-0.5)
		17.12.2025	65.1	28.2	14.8	20.5	BLQ (LOQ-0.5)
		20.12.2025	72.7	26.7	16.6	17.6	BLQ (LOQ-0.5)
		24.12.2025	67.2	29.4	14.3	18.7	BLQ (LOQ-0.5)
		30.12.2025	64.5	27.8	13.9	20.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge.	02.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

## Test Report

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### Ambient Air Quality-December-2025

Report No.:-	ALPL/08012026/1-8	Report Date:-	08.01.2026
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Distric: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02012026/ENV-2/88-57 to 64
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	02.01.2026
Test Started On:-	04.01.2026	Test Completed On:-	08.01.2026
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	02.12.2025	62.8	25.6	12.4	17.6	BLQ (LOQ-0.5)
		05.12.2025	67.5	24.2	15.6	19.4	BLQ (LOQ-0.5)
		10.12.2025	71.7	28.2	13.4	20.9	BLQ (LOQ-0.5)
		13.12.2025	76.4	31.5	10.8	16.3	BLQ (LOQ-0.5)
		17.12.2025	65.6	26.5	12.6	19.3	BLQ (LOQ-0.5)
		20.12.2025	70.4	31.3	12.7	16.1	BLQ (LOQ-0.5)
		24.12.2025	73.3	28.1	13.5	21.2	BLQ (LOQ-0.5)
		30.12.2025	64.6	26.4	12.4	17.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	02.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.12.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Ganraj  
Deputy Quality Manager



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## Test Report

Page 1 of 1

Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-1	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	03.11.2025	62.8	26.4	11.4	18.1	BLQ (LOQ-0.5)
		06.11.2025	67.5	27.2	12.8	15.2	BLQ (LOQ-0.5)
		10.11.2025	66.1	23.7	12.1	16.9	BLQ (LOQ-0.5)
		13.11.2025	69.6	25.2	13.2	15.8	BLQ (LOQ-0.5)
		17.11.2025	63.2	27.6	11.4	17.5	BLQ (LOQ-0.5)
		20.11.2025	58.5	23.4	10.4	14.6	BLQ (LOQ-0.5)
		24.11.2025	64.9	24.8	12.4	16.5	BLQ (LOQ-0.5)
		27.11.2025	70.6	31.5	11.6	14.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	03.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification, • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

Page 1 of 1

Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-2	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	03.11.2025	64.2	24.1	14.2	18.1	BLQ (LOQ-0.5)
		06.11.2025	57.4	22.5	12.1	19.2	BLQ (LOQ-0.5)
		10.11.2025	59.3	23.2	10.9	16.8	BLQ (LOQ-0.5)
		13.11.2025	68.7	25.6	10.2	13.9	BLQ (LOQ-0.5)
		17.11.2025	66.2	24.4	10.7	14.9	BLQ (LOQ-0.5)
		20.11.2025	60.3	27.5	11.6	16.1	BLQ (LOQ-0.5)
		24.11.2025	64.1	25.7	13.3	17.2	BLQ (LOQ-0.5)
		27.11.2025	69.6	27.4	11.6	14.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	03.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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**Remark:** - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

#### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-3	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution.		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	03.11.2025	60.1	23.7	12.2	16.1	BLQ (LOQ-0.5)
		06.11.2025	66.2	26.3	10.2	16.8	BLQ (LOQ-0.5)
		10.11.2025	61.7	24.8	11.2	18.1	BLQ (LOQ-0.5)
		13.11.2025	55.8	21.7	10.6	14.9	BLQ (LOQ-0.5)
		17.11.2025	60.5	23.6	10.9	17.5	BLQ (LOQ-0.5)
		20.11.2025	65.6	26.2	9.5	15.5	BLQ (LOQ-0.5)
		24.11.2025	68.2	27.6	10.4	14.4	BLQ (LOQ-0.5)
		27.11.2025	60.7	24.8	9.8	16.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	03.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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### Test Report

Page 1 of 1

#### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-4	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03.11.2025	57.3	23.2	9.8	16.1	BLQ (LOQ-0.5)
		06.11.2025	66.8	26.4	12.2	14.5	BLQ (LOQ-0.5)
		10.11.2025	63.2	22.5	11.3	16.6	BLQ (LOQ-0.5)
		13.11.2025	54.5	23.8	12.9	12.8	BLQ (LOQ-0.5)
		17.11.2025	65.4	26.5	11.9	15.2	BLQ (LOQ-0.5)
		20.11.2025	68.4	27.6	10.1	16.6	BLQ (LOQ-0.5)
		24.11.2025	62.3	22.7	10.9	13.7	BLQ (LOQ-0.5)
		27.11.2025	60.5	20.9	12.2	15.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

## Test Report

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### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-5	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	04.11.2025	66.9	23.3	10.1	14.4	BLQ (LOQ-0.5)
		07.11.2025	64.3	25.4	8.7	17.6	BLQ (LOQ-0.5)
		11.11.2025	57.5	22.2	10.1	14.9	BLQ (LOQ-0.5)
		14.11.2025	60.7	21.6	10.6	18.4	BLQ (LOQ-0.5)
		18.11.2025	67.8	23.4	9.7	13.7	BLQ (LOQ-0.5)
		21.11.2025	64.6	25.3	11.6	16.5	BLQ (LOQ-0.5)
		25.11.2025	61.8	22.2	10.5	14.2	BLQ (LOQ-0.5)
		28.11.2025	65.4	25.1	9.3	13.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	04.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

## Test Report

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### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-6	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-6	Dhandiapat/ Nr. Mining Area	04.11.2025	68.1	26.2	8.9	11.8	BLQ (LOQ-0.5)
		07.11.2025	64.2	24.3	11.2	14.3	BLQ (LOQ-0.5)
		11.11.2025	67.5	25.7	9.5	12.4	BLQ (LOQ-0.5)
		14.11.2025	59.8	21.5	8.7	15.4	BLQ (LOQ-0.5)
		18.11.2025	53.6	20.2	9.2	16.1	BLQ (LOQ-0.5)
		21.11.2025	61.3	23.8	8.5	11.7	BLQ (LOQ-0.5)
		25.11.2025	65.2	26.7	10.1	15.2	BLQ (LOQ-0.5)
		28.11.2025	58.7	23.1	8.7	14.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dhandiapat/ Nr. Mining Area	04.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of our interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on [feedback@anacon.in](mailto:feedback@anacon.in).



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## Test Report

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### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-7	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatjeharia Village/ Nr.Weigh Bridge	04.11.2025	81.2	31.2	16.5	21.4	BLQ (LOQ-0.5)
		07.11.2025	76.8	34.6	15.4	24.2	BLQ (LOQ-0.5)
		11.11.2025	78.7	34.2	13.3	18.6	BLQ (LOQ-0.5)
		14.11.2025	86.1	35.6	16.8	23.6	BLQ (LOQ-0.5)
		18.11.2025	72.6	28.2	18.4	20.1	BLQ (LOQ-0.5)
		21.11.2025	77.2	33.5	16.3	21.5	BLQ (LOQ-0.5)
		25.11.2025	74.5	32.6	14.6	16.9	BLQ (LOQ-0.5)
		28.11.2025	68.5	30.4	16.6	21.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatjeharia Village/ Nr.Weigh Bridge	04.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP7.8/05).  
**Remark:** - All Results are within Limit as per NAAQMS Standards

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

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### Ambient Air Quality-November-2025

Report No.:-	ALPL/04122025/1-8	Report Date:-	04.12.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01122025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	01.12.2025
Test Started On:-	02.12.2025	Test Completed On:-	04.12.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	04.11.2025	71.6	34.3	14.4	24.5	BLQ (LOQ-0.5)
		07.11.2025	78.4	34.7	13.5	22.7	BLQ (LOQ-0.5)
		11.11.2025	83.8	31.7	15.7	18.6	BLQ (LOQ-0.5)
		14.11.2025	70.6	32.7	12.8	19.8	BLQ (LOQ-0.5)
		18.11.2025	72.6	35.6	14.6	21.8	BLQ (LOQ-0.5)
		21.11.2025	67.8	34.2	16.3	20.2	BLQ (LOQ-0.5)
		25.11.2025	74.5	32.9	15.4	22.7	BLQ (LOQ-0.5)
		28.11.2025	72.4	30.6	17.1	21.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	04.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.11.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanaashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

Page 1 of 1

Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-1	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	02.10.2025	75.7	28.8	16.5	20.7	BLQ (LOQ-0.5)
		06.10.2025	73.5	35.3	13.3	23.7	BLQ (LOQ-0.5)
		09.10.2025	80.8	27.7	14.6	25.5	BLQ (LOQ-0.5)
		13.10.2025	71.7	30.6	13.2	23.6	BLQ (LOQ-0.5)
		16.10.2025	62.7	27.8	16.1	21.1	BLQ (LOQ-0.5)
		20.10.2025	74.2	35.6	15.2	22.1	BLQ (LOQ-0.5)
		23.10.2025	72.7	31.7	14.4	24.6	BLQ (LOQ-0.5)
		28.10.2025	68.3	26.4	12.5	21.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	02.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dharaashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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## Test Report

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### Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-2	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samn (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-2	New Kudag/ Nr. Weigh Bridge	02.10.2025	66.8	25.4	12.4	15.5	BLQ (LOQ-0.5)
		06.10.2025	78.5	32.5	14.8	17.6	BLQ (LOQ-0.5)
		09.10.2025	60.4	23.1	10.9	14.5	BLQ (LOQ-0.5)
		13.10.2025	70.6	27.2	12.5	18.3	BLQ (LOQ-0.5)
		16.10.2025	63.8	24.5	10.1	15.6	BLQ (LOQ-0.5)
		20.10.2025	77.2	28.6	11.8	17.3	BLQ (LOQ-0.5)
		23.10.2025	69.5	25.4	13.9	21.2	BLQ (LOQ-0.5)
		28.10.2025	76.2	31.3	15.6	20.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	02.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
Deputy Quality Manager

---End of Report---



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# Anacon Laboratories

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## Test Report

Page 1 of 1

Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-3	Report Date:-	05.11.2025
Issued to:-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-3	Old Kudag/ Mining Area	02.10.2025	60.7	26.8	14.8	19.3	BLQ (LOQ-0.5)
		06.10.2025	63.3	30.6	12.3	17.7	BLQ (LOQ-0.5)
		09.10.2025	67.5	27.4	10.9	18.6	BLQ (LOQ-0.5)
		13.10.2025	62.2	25.2	12.4	16.3	BLQ (LOQ-0.5)
		16.10.2025	57.8	22.6	11.1	15.8	BLQ (LOQ-0.5)
		20.10.2025	60.9	25.8	14.3	18.2	BLQ (LOQ-0.5)
		23.10.2025	65.6	29.4	12.8	17.3	BLQ (LOQ-0.5)
		28.10.2025	69.1	31.5	11.5	18.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-3	Old Kudag/ Mining Area	02.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwey  
Deputy Quality Manager

---End of Report---



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## Test Report

### Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-4	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS-5182 (Part-6)	IS-5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-4	Samri-Gopatu/ Near Weigh bridge	02.10.2025	78.7	33.4	10.9	15.5	BLQ (LOQ-0.5)
		06.10.2025	64.2	32.7	11.7	16.1	BLQ (LOQ-0.5)
		09.10.2025	56.3	25.4	13.3	19.7	BLQ (LOQ-0.5)
		13.10.2025	62.2	27.7	14.6	15.8	BLQ (LOQ-0.5)
		16.10.2025	72.4	32.6	13.8	18.4	BLQ (LOQ-0.5)
		20.10.2025	63.8	29.1	11.6	15.5	BLQ (LOQ-0.5)
		23.10.2025	61.1	26.2	12.3	17.2	BLQ (LOQ-0.5)
		28.10.2025	78.7	33.4	10.9	15.5	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	02.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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**Remark:** - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
 Technical Manager

Dhanashree Hiwari  
 Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager

---End of Report---



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## Test Report

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Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-5	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-5	Kutku Village/ Nr. V.T. Center	03.10.2025	70.6	30.4	13.7	20.8	BLQ (LOQ-0.5)
		07.10.2025	73.5	33.7	16.8	18.8	BLQ (LOQ-0.5)
		10.10.2025	78.2	28.2	15.5	21.5	BLQ (LOQ-0.5)
		14.10.2025	75.7	32.5	17.7	16.5	BLQ (LOQ-0.5)
		17.10.2025	71.8	29.6	16.2	19.7	BLQ (LOQ-0.5)
		21.10.2025	74.4	31.7	13.7	21.5	BLQ (LOQ-0.5)
		24.10.2025	68.3	28.7	14.9	17.8	BLQ (LOQ-0.5)
		29.10.2025	72.7	25.2	16.8	19.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	03.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganway  
Deputy Quality Manager



---End of Report---

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## Test Report

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### Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-6	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-6	Dhandiapat/ Nr. Mining Area	03.10.2025	77.9	32.5	13.8	18.5	BLQ (LOQ-0.5)
		07.10.2025	70.6	30.4	11.8	22.8	BLQ (LOQ-0.5)
		10.10.2025	78.4	28.2	13.8	19.3	BLQ (LOQ-0.5)
		14.10.2025	66.6	27.1	14.6	23.7	BLQ (LOQ-0.5)
		17.10.2025	64.4	29.6	13.3	17.8	BLQ (LOQ-0.5)
		21.10.2025	73.5	32.1	15.9	21.6	BLQ (LOQ-0.5)
		24.10.2025	68.5	28.2	14.4	18.5	BLQ (LOQ-0.5)
		29.10.2025	71.6	27.5	12.7	17.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-6	Dhandiapat/ Nr. Mining Area	03.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	6.0 (annual)	----

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**Remark:** - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehat Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganway  
Deputy Quality Manager

---End of Report---



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## Test Report

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Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-7	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disrict: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	03.10.2025	75.9	31.7	12.2	15.5	BLQ (LOQ-0.5)
		07.10.2025	70.3	30.8	15.3	18.2	BLQ (LOQ-0.5)
		10.10.2025	77.1	32.5	13.7	16.4	BLQ (LOQ-0.5)
		14.10.2025	65.5	27.3	11.8	19.7	BLQ (LOQ-0.5)
		17.10.2025	58.8	25.2	12.4	20.9	BLQ (LOQ-0.5)
		21.10.2025	66.6	32.2	11.6	15.2	BLQ (LOQ-0.5)
		24.10.2025	72.7	32.1	13.8	19.7	BLQ (LOQ-0.5)
		29.10.2025	62.5	28.5	11.8	18.5	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	03.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BLQ= below limit of quantification, LOQ= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).  
 Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
 Technical Manager

Dhanashree Hiwanj  
 Sr. Technical Assistant

Authorized Signatory

Chinmay Garway  
 Deputy Quality Manager

---End of Report---



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on [feedback@anacon.in](mailto:feedback@anacon.in).



# Anacon Laboratories

## Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Ambient Air Quality-October-2025

Report No.:-	ALPL/05112025/1-8	Report Date:-	05.11.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31102025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akhil Mahajan	Sample Inward Date	31.10.2025
Test Started On:-	01.11.2025	Test Completed On:-	05.11.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) $\text{mg}/\text{m}^3$
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-8	Virhorepat	03.10.2025	62.8	29.6	13.3	16.4	BLQ (LOQ-0.5)
		07.10.2025	67.5	26.2	12.4	15.3	BLQ (LOQ-0.5)
		10.10.2025	69.2	30.5	12.9	16.7	BLQ (LOQ-0.5)
		14.10.2025	65.4	25.4	11.2	17.4	BLQ (LOQ-0.5)
		17.10.2025	60.8	22.6	13.7	14.6	BLQ (LOQ-0.5)
		21.10.2025	75.1	26.2	10.4	16.8	BLQ (LOQ-0.5)
		24.10.2025	63.6	21.7	11.4	15.5	BLQ (LOQ-0.5)
		29.10.2025	53.6	18.4	12.8	19.8	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb $\mu\text{g}/\text{m}^3$	Mercury as Hg $\mu\text{g}/\text{m}^3$	Arsenic as As $\text{ng}/\text{m}^3$	Chromium as Cr $\mu\text{g}/\text{m}^3$
Test Method			ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04	ANtr/7.2/RES-INORG/04
AAQ-8	Virhorepat	03.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.10.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BLQ= below limit of quantification, LOQ= limit of quantification. ● Environmental condition - Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per NAAQMS Standards.

Reviewed by

Snehal Raut  
Technical Manager

Dhanashree Hiwanj  
Sr. Technical Assistant

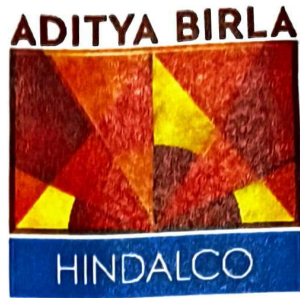
Authorized Signatory

Chinmay Ganway  
Deputy Quality Manager

---End of Report---



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Date: 30.04.2026

**Hindalco Industries Limited  
Mines Division, Samri**

**Environment Management Cell**

Reconstitution of the Environment Management Cell at **Samri Mines Cluster** having the following members in compliance of the EC Conditions for the Samri, Tatijharia and Kudag Bauxite Mines of Hindalco Industries Ltd.

Sl. No.	Name	Designation	Position
1	Mr. Rajesh Rathore	Head - Mines	Chairman
2	Mr. Amit Tiwari	Manager-Mines	Secretary
3	Mr. Rajeev Ranjan	Manager-Mines	Member
4	Mr. Saptarshi Sengupta	Manager-Geology	Member
5	Dr. Deep Narayan Singh	Asst. Manager-Sustainability	Member
6	Mahadev Kumar	Dy. Manager-Environment	Member
7	Dr. Mohammad Seyami	Medical Officer	Member
8	Miss. Charisma Vijay	Asst. Manager-Sustainability	Member

**Rajesh Rathore**  
**Head- Mines**

**HINDALCO INDUSTRIES LIMITED**  
Samri Mines, Division, Baba Chowk  
At & Post- Kusmi, PIN : 497224,  
Distt – Balrampur-Ramanujanj  
(Chhattisgarh) INDIA

**REGISTERED OFFICE**

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IF : +91 2269477001 / 69477090

Website : [www.hindalco.com](http://www.hindalco.com)  
E-mail : [hindalco@adityabirla.com](mailto:hindalco@adityabirla.com)  
Corporate Identity No. : L27020MH1958PLC011238





**HINDALCO INDUSTRIES LIMITED****Samri Mines Division****Actual Expenditure incurred in Environment Management Plan**

Total cost incurred for protection of Environment in Samri, Tatijharia and Kudag Bauxite mines of Hindalco Industries Limited, Chhattisgarh during the period from October 2025 to March 2026 is mentioned below:

<b>Sl. No</b>	<b>Environment Protection Measure</b>	<b>Actual Cost (Lakhs) October'25 to March'26</b>
1.	Environment Monitoring	5.66
2.	Greenbelt development	15.63
3.	Reclamation/ rehabilitation of mined out area (Samri 19.459 Ha., Kudag-0.89 Ha., Tatijharia-11.560 Ha.) <b>Total- 31.909 Ha.</b>	95.727
	<b>Total</b>	<b>117.02</b>

- ✓ Environment Monitoring Job has been outsourced to Anacon Laboratory, recognized by MoEF & NABL.
- ✓ One centralized nursery has been established at Samri mines for Samri, Tatijharia & Kudag lease.
- ✓ Reclamation of mined out land has been outsourced along with production. Average cost of reclamation considered 3.00 lakh per ha.

**HINDALCO INDUSTRIES LIMITED**

Samri Mines, Division, Baba Chowk  
At & Post- Kusmi, PIN : 497224,  
Distt – Balrampur-Ramanujganj  
(Chhattisgarh) INDIA

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