

Ref: HIL/KBM/MoEF&CC/74/2025

Date: 24-11-2025

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

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 April 2025 – September 2025.

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- Ramanujganj. Chhattisgarh state. PIN-497224 for the period from April 2025 – September 2025. 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 also abide to follow all the Rules and Regulations.

Thanking you,
Yours's faithfully
For, Hindalco Industries Limited

(Sanjay Pardhi)
Agent of Mines

Encl.: As Above

cc: moef.ddn@mail.com; apccfccentral-ngp-mef@gov.in; eccompliance-c@gov.in; cpcb.bhopal@gov.in;

hocecb@mail.com;

HINDALCO INDUSTRIES LIMITED

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Corporate Identity No. - L27020MH1958PLC011238

Name of the Project	Kudag Bauxite Mines (377.116Ha. Capacity-0.6 LTPA), M/s Hindalco Industries Ltd
Environment Clearance No & date	J-11015/354/2007 – IA.(IIM) dated 27.07.2007
Period of compliance Report	1st April 2025 to 30th September 2025.

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 28-32 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 28⁰. 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 Apr'25 to Sep'25, 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 28-32 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. Vehicle used for transportation are having 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. Based on the present resource estimate, and peak rated production capacity, the tentative balance life of mine is around 27 years. However, after completion of further detailed exploration programme and geological investigation, the balance life of mine is subject to change with respect to EC Capacity and cut –off grade of mineral at that time. 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, SO₂, 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 April 2025 to September 2025) is enclosed as *Annexure-G*.

Condition-5: Data on ambient air quality (RPM, SPM, SO₂, NOx) 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, SO₂, and NOx) are being submitted to CECB and to other regulatory authorities as per guidelines. Ambient air quality report for the month April 2025 to September 2025 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 19th May 1993 and 31st 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 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-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.

सांख्यिकीय उत्पाद सुरक्षा वक्ता राज्यपाल (वर्तमानीन्द्र उद्धव योद्धा राज्यपाल)
संसदीय संठ सुरक्षा प्राप्ति अधिकारी (अधिकारी), उत्तीर्णगढ़

अस्सी भवन, बैंडकल कॉलन रोड, रामगढ़

मोबाइल: 0771-2552228, Fax: 0771-2552271

ईमेल: pcc@vishvavishwa.com

मामाक/वा.पा/प्रका- 12/13/2964

रामगढ़ दिनांक ०४/०८/२०१३

प्रति,

संघातक,
इन्वायरनमेंट कलीयरें शे सोल
भारत सरकार, बन एवं पर्यावरण मंत्रालय,
पर्यावरण भवन, सी.जी.ओ. काम्प्लेक्स,
लोधी रोड, नई दिल्ली-111003

विषय:— छत्तीसगढ़ के बलरामपुर जिले (तत्कालीन सरगुजा जिला) में स्थित सामरी बॉक्साईट माईन्स, कुदाग बॉक्साईट माईन्स एवं टाटीझरिया बॉक्साईट माईन्स की कामता बढ़ाये हेतु इन्वायरनमेंट कलीयरें स।

संदर्भ:— 1. पर्यावरण व बन मंत्रालय, भारत सरकार का पत्र क्रमांक J-11015/353/2007-IA.II(M) दिनांक 27 जुलाई 2007.
2. पर्यावरण व बन मंत्रालय, भारत सरकार का पत्र क्रमांक J-11015/337/2007-IA.II(M) दिनांक 27 जुलाई 2007.
3. पर्यावरण व बन 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 बॉक्साईट खुली खदान (1 LTPA) की क्षमता-बढ़ाकर (5LTPA) करने, कुदाग बॉक्साईट खदान (0.4 LTPA) की कामता बढ़ाकर (0.6 LTPA) करने तथा टाटीझरिया बॉक्साईट खदान (0.5 TPA) की क्षमता बढ़ाकर (4 TPA) करने के परियोजना प्रस्ताव के रूपांध में बन्य प्राणी (संरक्षण) अधिनियम, 1972 के तहत अनुसूची-1 के बन्यप्राणियों हेतु “बन्य 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 बन मंत्रालय के आदेश क्रमांक J-11015/353/2007-IA.II/M दिनांक 27 जुलाई 2007 द्वारा 2146.746 है, में, कुदाग क्षेत्र में भारत सरकार पर्यावरण व बन मंत्रालय आदेश क्रमांक J-11015/354/2007-IA.II/M दिनांक 27 जुलाई 2007 द्वारा 377.116 है, में, तथा टाटीझरिया में भारत सरकार पर्यावरण व बन मंत्रालय के आदेश क्रमांक J-11015/337/2007-IA.II/M दिनांक 9 अगस्त 2007 द्वारा 1218.762 है, में बॉक्साईट खनन की स्थीकृति प्राप्त कर संस्था द्वारा खनन का कार्य किया जा रहा है।

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प्रत्येक वर्ष में उपर्युक्त वर्षों के लिये 10,000 रु. तक 50,000 PTA किए जाने कुदाल के लिये 10,000 PTA किए जाना एवं नियोजितरिया के लिये 50,000 PTA रो यदाकर 4,00,000 PTA । 178 इस प्रत्यावित है। भारत राजवार पर्यावरण व बन संसालय के द्वारा उपरोक्त नियम वर्ष की स्वीकृति करना आदेश क्रमांक J-11015/353/2007-IA.H/M [C-11015/353/2007-IA.H/M] 11015/354/2007-IA.H/M दिनांक 27 जुलाई 2007 एवं J-11015/337/2007-IA.H/M [C-11015/337/2007-IA.H/M] 11015/354/2007-IA.H/M दिनांक 27 जुलाई 2007 एवं प्राणी (संरक्षण) अधिनियम के शेष्यूल 1 के पाये जाने वाले वन्य प्राणियों के संरक्षण हेतु प्रबंध योजना तैयार की जाकर राज्य के मुख्य वन्य जीव अभिरक्षक के अनिमत रहित प्रस्तुत किया जाये। जिसके पालन में संरक्षण द्वारा एक वन्य प्राणी संरक्षण योजना तैयार की गयी है।

3. खनन कामता बढ़ाने से संबंधित प्रत्यावित 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 नहाप्रबंधक, (खादान), हिन्डालको इन्डिस्ट्रीज के पत्र क्रमांक HIL/SAM/300/2013 दिनांक 2.03.2013 द्वारा प्रस्तुत किया गया है जिसका समग्र रूप से परीक्षण किया गया। प्रत्यावित 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 प्रत्यावित में अनेकस्त्र-५ के में उल्लेखित किया गया है।

4. उल्लेखित सूचि में वन्य प्राणी (संरक्षण) अधिनियम के शेष्यूल 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 थाही गयी। वन संरक्षक ने अपने पत्र क्रमांक 749 दिनांक 24.05.2012 से यह जानकारी उपलब्ध कराया है कि उक्त क्षेत्र में हायियों 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 छँ एवं 2010-11 में 4 जनहानि व जनधायल के प्रकरण तथा वर्ष 2007-08 तथा 2008-09 में तेंदुआ द्वारा पशु हानि के दो प्रकरण तथा लकड़बंधे के कारण एक प्रकरण दर्ज किये गये हैं। इस प्रकार वन्य प्राणी (संरक्षण) अधिनियम के शेष्यूल 1 के उपरोक्त उल्लेखित वन्य प्राणियों के परियोजना क्षेत्र में आने जाने के प्रभाण पाये गये हैं। प्रत्यावित क्षेत्र से 6 से 7 कि.मी. की दूरी पर झारखंड राज्य में भेड़िया अभ्यारण्य भी स्थापित है। अब संरक्षण 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 विस्तृत अध्ययन किया गया। प्रबंधन योजना में प्रत्यावित प्रबंधन संधित मुख्य गतिविधियों का विवरण निम्नानुसार है।

5. योजना में वन्य प्राणियों के लिये जलग्रहण क्षेत्र विकास, रहवास-विकास, पेयजल व्यवस्था, विभाग के क्षेत्रीय अमलों के सहयोग से क्षेत्र में पेट्रोलिंग व मॉनिटरिंग, अग्नि सुरक्षा, ईवो विकास की गतिविधियों, रथानीय ग्रामीणों के लिये आजीविका, सूजन, टीकाकरण, जनजागृति कार्यक्रम जैसी गतिविधियों का

स्वप्राप्ति करती हुये 04 अप्रैल 2001 को इनकालीन वर्ष 2001-02 के लिए वाक्यालिक वर्षीय रिपोर्ट विभाग विभाग द्वारा दिया गया है।

यह विभाग के द्वारा दिया जायेगा। इसमें इस वर्षीय वर्ष के दौरान विभाग का है।

Sl. No.	Works to be done	Cost for three years (Rs. In lakhs)					Remarks
		1 st Year	2 nd Year	3 rd Year	4 th 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)
	Total	55.00	35.00	35.00	35.00	160.00	

जमा वर्षी लागत रु. 160.00 रुपये विवरण के अनुसार इन सभी वर्षों में यह लागत बहुत बढ़ाया जाता है इन्डिया के हिस्से से यूट्रिट रोगी। परियोजना के विवरण वर्ष वर्ष वर्षी लागत आयोग द्वारा दीर्घावधि वर्षों में ली दी दी विभाग में एकमुश्त जमा वर्षी होती है। जिससे मुख्य यूट्रिट के प्रभाव को समाप्त किया जा सकता है। इस विभाग एकमुश्त जमा वर्षी गई राशि से वन्यप्राणी संरक्षण योजना विधानित करेगा।

7. अनुगोदित 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 प्रसादको को आदेशित करने का कद करें।

संलग्नः—उपरोक्तानुसार।

Arvind Patel
(रामप्रकाश) ०१/१०/१३

प्रधान मुख्य वन संरक्षक (वन्यप्राणी)
छत्तीसगढ़, रायपुर

रायपुर दिनांक ०२/१०/२०१३

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. नायंक, जी. एम. माइन्स हिन्डालको ईन्डरस्ट्रीज लिमिटेड, सामरी बॉक्साईट माइन्स, पोर्ट-कुसमी, जिला—सरगुजा, छत्तीसगढ़ की ओर मय योजना की प्रति सहित सूचनार्थ प्रेषित।

Arvind Patel
प्रधान मुख्य वन संरक्षक (वन्यप्राणी) ०१/१०/१३
छत्तीसगढ़, रायपुर

SAMRI BAUXITE MINE

Annexure - B

Annexure-6
Details of Flora and Fauna

स्थानीय लारों हुए 01 दफ्तरों के लिए यात्रा करना चाहिए। लाकर्मिन ने यहीं 11 दिन का विषयालय

वृन्द विभाग के हाथों विभिन्न जायेगा। प्रस्ताव में यह विभाग ने वृन्द विभाग गिरिधरपुर के -

Sl. No.	Works to be done	Cost for Four years (Rs. in Lakhs)					Remarks
		1 st Year	2 nd Year	3 rd Year	4 th 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	
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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)
Total		55.00	35.00	35.00	35.00	160.00	

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>	Palas	Fabaceae
<i>Acacia Arabica</i>	Batul	Mimosaceae
<i>Leucaena leucocephala</i>	Setubal	Mimosaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Citrus limon</i>	Nimbu	Rutaceae
<i>Euphorbia officinalis</i>	Amie	Euphorbiaceae
<i>Ficus hispida</i>	Jungli anjir	Moraceae
<i>Spondias cyathaea</i>	Katnjamun	Myrtaceae
<i>Terminalia catappa</i>	Badam	Combretaceae
<i>Apluda mutica</i>	Grass	Poaceae
<i>Chloris dolichostachys</i>	Grass	Poaceae
<i>Dichanthium annulatum</i>	Grass	Poaceae
<i>Imperata cylindrica</i>	Grass	Poaceae
<i>Themeda quadrivalvis</i>	Grass	Poaceae
<i>Arachis hypogaea</i>	Grass	Poaceae
<i>Fragaria ananassa</i>	Grass	Poaceae
<i>Fragaria ananassa</i>	Grass	Poaceae
<i>Setaria glauca</i>	Grass	Cyperaceae
<i>Thysanolaena maxima</i>	Grass	Gramineae
<i>Pennisetum hysterophorus</i>	Congress grass	Compositae
<i>Croton tiglium</i>	-	Caesalpiniaceae
<i>Desmodium indicum</i>	Kachnar	Caesalpiniaceae
<i>Dolichos Sezgo</i>	Sssoo	Caesalpiniaceae

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

Sr. No.	Technical Name	Family	Life Form
I. Agricultural Crops			
1	<i>Hordeum 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
II. Commercial Crops (including Vegetables)			
7	<i>Abelmoschus indicus</i>	Malvaceae	Therophyte
8	<i>Allium cepa</i>	Liliaceae	Geophyte
9	<i>Allium sativum</i>	Liliaceae	Geophyte
10	<i>Averrhoa squammosa</i>	Annonaceae	Phanerophyte
11	<i>Acacia hypogaea</i>	Fabaceae	Geophyte
12	<i>Catharanthus roseus</i>	Compositae	Therophyte
13	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
14	<i>Citrus limon</i>	Rutaceae	Therophyte
15	<i>Coffea arabica</i>	Arecaceae	Geophyte
16	<i>Cornus sylvestris</i>	Umbelliferae	Hemicryptophyte
17	<i>Dianthus carota</i>	Umbelliferae	Geophyte
18	<i>Lycopersicum esculentum</i>	Solanaceae	Therophyte
19	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
20	<i>Mangifera charantia</i>	Cucurbitaceae	Therophyte
21	<i>Pisum sativum</i>	Fabaceae	Therophyte
22	<i>Phyllanthus guava</i>	Myrtaceae	Phanerophyte
23	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
24	<i>Litchi chinensis</i>	Sapindaceae	Phanerophyte
III. Plantations			
25	<i>Bauhinia coriacea</i>	Caesalpiniaceae	Phanerophyte
26	<i>Acacia nilotica</i>	Mimosaceae	Phanerophyte
27	<i>Albizia lebbeck</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>	Caesalpiniaceae	Phanerophyte
32	<i>Bauhinia purpurea</i>	Caesalpiniaceae	Phanerophyte
33	<i>Bambusa arundinacea</i>	Poaceae	Phanerophyte
34	<i>Butea monosperma</i>	Caesalpiniaceae	Phanerophyte
35	<i>Butes frondosa</i>	Caesalpiniaceae	Phanerophyte
36	<i>Eucalyptus sp.</i>	Myrtaceae	Phanerophyte
37	<i>Delonix regia</i>	Caesalpiniaceae	Phanerophyte
38	<i>Faucaria leucophloea</i>	Caesalpiniaceae	Phanerophyte
IV. Natural Vegetation /Forest Type			
39	<i>Abrus precatorius</i>	Fabaceae	Therophyte
40	<i>Ahution indicum</i>	Melvaceae	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 intinsa</i>	Mimosaceae	Phanerophyte
45	<i>Acacia farnesiana</i>	Mimosaceae	Phanerophyte
46	<i>Acacia leucophloea</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>Adonis cordifolia</i>	Acanthaceae	Therophyte
52	<i>Aegle marmelos</i>	Rubiaceae	Therophyte
53	<i>Aerva lanata</i>	Compositae	Phanerophyte
54	<i>Ageratum conyzoides</i>	Compositae	Therophyte
55	<i>Altaritis excelsa</i>	Simarubaceae	Phanerophyte
56	<i>Alangium salviifolium</i>	Alangiaceae	Phanerophyte
57	<i>Albizia odoratissima</i>	Caesalpiniaceae	Phanerophyte
58	<i>Albizia procera</i>	Caesalpiniaceae	Phanerophyte
59	<i>Aistonia schaereri</i>	Ascyranaceae	Phanerophyte
60	<i>Alternanthera sessilis</i>	Amaranthaceae	Therophyte
61	<i>Alysicarpus hamosus</i>	Fabaceae	Therophyte
62	<i>Anogeissus latifolia</i>	Combretaceae	Phanerophyte
63	<i>Anogeissus senegalensis</i>	Combretaceae	Phanerophyte
64	<i>Argemone mexicana</i>	Papaveraceae	Phanerophyte
65	<i>Azadirachta indica</i>	Meliaceae	Phanerophyte
66	<i>Barleria prionotes</i>	Acanthaceae	Therophyte
67	<i>Bidens pilosa</i>	Compositae	Therophyte
68	<i>Blepharis asperifolia</i>	Acanthaceae	Therophyte
69	<i>Elephantopus malabaricus</i>	Acanthaceae	Phanerophyte
70	<i>Eliumea lacera</i>	Compositae	Therophyte
71	<i>Boerhaavia chinensis</i>	Nygastinaceae	Therophyte
72	<i>Boerhaavia diffusa</i>	Nygastinaceae	Therophyte
73	<i>Bombax ceiba</i>	Bombacaceae	Therophyte
74	<i>Borreria hispida</i>	Rubiaceae	Phanerophyte
75	<i>Borreria stricta</i>	Rubiaceae	Therophyte
76	<i>Boswellia serrata</i>	Burseraceae	Therophyte
77	<i>Brassica campestris</i>	Cruciferae	Phanerophyte
78	<i>Bridelia retusa</i>	Euphorbiaceae	Therophyte
79	<i>Bridelia superba</i>	Euphorbiaceae	Phanerophyte
80	<i>Caesalpinia pulcherrima</i>	Caesalpiniaceae	Phanerophyte
81	<i>Calotropis procera</i>	Asclepiadaceae	Phanerophyte
82	<i>Canthium ididymum</i>	Rubiaceae	Phanerophyte
83	<i>Capparis aphylla</i>	Capparidaceae	Phanerophyte
84	<i>Capparis decidua</i>	Capparidaceae	Therophyte
85	<i>Cariusa carandus</i>	Apocynaceae	Phanerophyte
86	<i>Cassia spinarium</i>	Apocynaceae	Phanerophyte
87	<i>Cascavia glabra</i>	Samyciaceae	Phanerophyte
88	<i>Cassia alata</i>	Caesalpiniaceae	Phanerophyte
89	<i>Cassia australis</i>	Caesalpiniaceae	Phanerophyte
90	<i>Cassia auriculata</i>	Caesalpiniaceae	Therophyte
91	<i>Cassia occidentalis</i>	Caesalpiniaceae	Therophyte
92	<i>Cassia tora</i>	Caesalpiniaceae	Therophyte
93	<i>Cestrum diurnum</i>	Rubiaceae	Phanerophyte
94	<i>Cestrum nocturnum</i>	Rubiaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
95	<i>Chloris variata</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>	Fabaceae	Therophyte
102	<i>Croton bonplandianum</i>	Amaryllidaceae	Therophyte
103	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
104	<i>Datura fastulosa</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 lajuenii</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 hyperacifolia</i>	Euphorbiaceae	Therophyte
117	<i>Euphorbia heterosperma</i>	Euphorbiaceae	Therophyte
118	<i>Euphorbia hirsuta</i>	Euphorbiaceae	Therophyte
119	<i>Euphorbia pilosiflora</i>	Euphorbiaceae	Hemicryptophyte
120	<i>Euphorbia tricuspidata</i>	Euphorbiaceae	Hemicryptophyte
121	<i>Evolvulus alsinoides</i>	Convolvulaceae	Therophyte
122	<i>Evolvulus numularius</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 hispida</i>	Moraceae	Phanerophyte
128	<i>Ficus racemosa</i>	Moraceae	Phanerophyte
129	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
130	<i>Ficus sycomorus</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 boswellia</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 salicifolia</i>	Tiliaceae	Phanerophyte
140	<i>Grewia subin aqua</i>	Tiliaceae	Phanerophyte
141	<i>Gynandropsis gynandra</i>	Capparidaceae	Hemicryptophyte
142	<i>Helicteres isora</i>	Rubiaceae	Phanerophyte
143	<i>Heliotropium indicum</i>	Rubiaceae	Hemicryptophyte
144	<i>Heliotropium ovalifolium</i>	Rubiaceae	Hemicryptophyte
145	<i>Hemidiodia indicus</i>	Asclepiadaceae	Phanerophyte
146	<i>Hibiscus caesius</i>	Malvaceae	Hemicryptophyte
147	<i>Holarrhena antidysenterica</i>	Asclepiadaceae	Phanerophyte
148	<i>Holostemma annulata</i>	Asclepiadaceae	Phanerophyte
149	<i>Hydrophyllum auriculatum</i>	Acanthaceae	Hemicryptophyte
150	<i>Hypoxis suaveolens</i>	Labiatae	Therophyte
151	<i>Ichnocarpus frutescens</i>	Polygonaceae	Hemicryptophyte
152	<i>Impatiens balsamina</i>	Balsaminaceae	Therophyte
153	<i>Indigofera hirsuta</i>	Caesalpiniaceae	Therophyte
154	<i>Indigofera limnacea</i>	Caesalpiniaceae	Therophyte
155	<i>Indigofera tinctoria</i>	Caesalpiniaceae	Therophyte
156	<i>Ipomoea aquatica</i>	Convolvulaceae	Hydrophyte
157	<i>Ipomoea coccinea</i>	Convolvulaceae	Therophyte
158	<i>Ipomoea tuba</i>	Convolvulaceae	Hemicryptophyte
159	<i>Ixora arborea</i>	Rubiaceae	Phanerophyte
160	<i>Ixora peruviana</i>	Rubiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
161	<i>Ixora singapurensis</i>	Rubiaceae	Phanerophyte
162	<i>Jasminum arboreum</i>	Oleaceae	Phanerophyte
163	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Therophyte
164	<i>Jussiaea suffruticosa</i>	Oreagraceae	Hydrophyte
165	<i>Justicia diffusa</i>	Acanthaceae	Therophyte
166	<i>Justicia diffusa</i>	Acanthaceae	Therophyte
167	<i>Lactuca punctata</i>	Compositae	Therophyte
168	<i>Lannea coramandulica</i>	Anacardiaceae	Phanerophyte
169	<i>Lannea grandis</i>	Anacardiaceae	Phanerophyte
170	<i>Lannea procumbens</i>	Anacardiaceae	Therophyte
171	<i>Lantana camara</i>	Verbenaceae	Phanerophyte
172	<i>Lawsonia inermis</i>	Lythraceae	Phanerophyte
173	<i>Lepidogathis cristata</i>	Acanthaceae	Therophyte
174	<i>Leptodenia reticulata</i>	Asclepiadaceae	Phanerophyte
175	<i>Leucas aspera</i>	Labiatae	Therophyte
176	<i>Leucas longifolia</i>	Labiatae	Therophyte
177	<i>Leucas longifolia</i>	Labiatae	Therophyte
178	<i>Leucaena leucocephala</i>	Caesalpiniaceae	Phanerophyte
179	<i>Linderbergia indica</i>	Scrophulariaceae	Therophyte
180	<i>Lindernbergia oblonga</i>	Scrophulariaceae	Therophyte
181	<i>Lophophora tridentata</i>	Scrophulariaceae	Geophyte
182	<i>Luffa acutangulata</i>	Cucurbitaceae	Therophyte
183	<i>Lycopersicum esculentum</i>	Solanaceae	Therophyte
184	<i>Madhuca longifolia</i>	Sapotaceae	Phanerophyte
185	<i>Malcolus philippinus</i>	Euphorbiaceae	Phanerophyte
186	<i>Malvastrum coromandelicum</i>	Malvaceae	Therophyte
187	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
188	<i>Marsilea quadrifolia</i>	Marsiliaceae	Phanerophyte
189	<i>Melia azedarach</i>	Meliaceae	Phanerophyte
190	<i>Mernardia dioica</i>	Cucurbitaceae	Therophyte
191	<i>Merremia emarginata</i>	Convolvulaceae	Therophyte
192	<i>Michelia champaca</i>	Annonaceae	Phanerophyte
193	<i>Millettia hirta</i>	Bignoniaceae	Phanerophyte
194	<i>Mimosa hamata</i>	Mimosaceae	Therophyte
195	<i>Mitragyna parviflora</i>	Rubiaceae	Phanerophyte
196	<i>Mollugo cerviana</i>	Aizoaceae	Therophyte
197	<i>Mollugo heterophylla</i>	Aizoaceae	Therophyte
198	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
199	<i>Morus alba</i>	Moraceae	Phanerophyte
200	<i>Mucuna pruriens</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>Nymphaea 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>Opuntia coenensis</i>	Pepoaceae	Phanerophyte
212	<i>Opuntia dillenii</i>	Opuntiaceae	Therophyte
213	<i>Opuntia elatior</i>	Cactaceae	Therophyte
214	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
215	<i>Panicum miliaceum</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 strobilantherus</i>	Passifloraceae	Hemicryptophyte
221	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
222	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
223	<i>Peltoperonum ferrugineum</i>	Caesalpiniaceae	Phanerophyte
224	<i>Phoenix inaequifolia</i>	Palmeae	Phanerophyte
225	<i>Phylanthus asperulatus</i>	Euphorbiaceae	Phanerophyte
226	<i>Phylanthus 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>Pithecellobium dulce</i>	Mimosaceae	Phanerophyte
231	<i>Polyalthia longifolia</i>	Annonaceae	Phanerophyte
232	<i>Polygala eryptiera</i>	Polygalaceae	Therophyte
233	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
234	<i>Portulaca olracea</i>	Portulacaceae	Therophyte
235	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
236	<i>Punica granatum</i>	Lythraceae	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 mongu</i>	Poaceae	Hemicryptophyte
241	<i>Saccharum officinarum</i>	Poaceae	Therophyte
242	<i>Salmalia malabarica</i>	Salicaceae	Phanerophyte
243	<i>Sapindus emarginatus</i>	Sapindaceae	Phanerophyte
244	<i>Schleichera trijuga</i>	Combretaceae	Phanerophyte
245	<i>Scherebera swinhonis</i>	Sapindaceae	Phanerophyte
246	<i>Schleichera oleosa</i>	Sapindaceae	Phanerophyte
247	<i>Sesamum indicum</i>	Pedaliaceae	Hemicryptophyte
248	<i>Shorea robusta</i>	Dipterocarpaceae	Hemicryptophyte
249	<i>Sida orientalis</i>	Malvaceae	Phanerophyte
250	<i>Sida cordifolia</i>	Melastomaceae	Hemicryptophyte
251	<i>Solanum nigrum</i>	Solanaceae	Therophyte
252	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
253	<i>Sterculia villosa</i>	Tiliaceae	Therophyte
254	<i>Stereospermum chelonoides</i>	Bignoniaceae	Phanerophyte
255	<i>Syzygium cumini</i>	Myrtaceae	Phanerophyte
256	<i>Tamarindus indica</i>	Caesalpiniaceae	Phanerophyte
257	<i>Tecomella undulata</i>	Bignoniaceae	Therophyte
258	<i>Tectona grandis</i>	Verbenaceae	Phanerophyte
259	<i>Tephrosia purpurea</i>	Fabaceae	Therophyte
260	<i>Terminalia bellirica</i>	Combretaceae	Phanerophyte
261	<i>Terminalia chebula</i>	Combretaceae	Phanerophyte
262	<i>Terminalia ferruginea</i>	Combretaceae	Phanerophyte
263	<i>Thlaspi cordata</i>	Rhamnaceae	Therophyte
264	<i>Tragia biloba</i>	Poaceae	Hemicryptophyte
265	<i>Trifolium repens</i>	Zygophyllaceae	Therophyte
266	<i>Tridax procumbens</i>	Compositae	Therophyte
267	<i>Trifolium pilosum</i>	Tiliaceae	
268	<i>Veronica cinerea</i>	Compositae	Therophyte
269	<i>Vicia indica</i>	Compositae	Hemicryptophyte
270	<i>Vitis Negundo</i>	Verbenaceae	Phanerophyte
271	<i>Vitis negundo</i>	Verbenaceae	Therophyte
272	<i>Vitis vinifera</i>	Vitaceae	Therophyte
273	<i>Vivipara zizanioides</i>	Poaceae	Therophyte
274	<i>Wrightia tomentosa</i>	Apocynaceae	Phanerophyte
275	<i>Xanthium strumarium</i>	Compositae	Therophyte
276	<i>Yucca gloriosa</i>	Agavaceae	Therophyte
277	<i>Ziziphus jujuba</i>	Rhamnaceae	Phanerophyte
278	<i>Ziziphus mauritiana</i>	Rhamnaceae	Phanerophyte
V. Grasslands			
279	<i>Apiastra mutica</i>	Poaceae	Hemicryptophyte
280	<i>Chloris dolichostachya</i>	Poaceae	Hemicryptophyte
281	<i>Cyanodactylon sp</i>	Poaceae	Geophyte
282	<i>Dichanthium 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 ciliaris</i>	Poaceae	Therophyte
288	<i>Conchus setigerus</i>	Poaceae	Therophyte
289	<i>Cymbopogon jwarancusa</i>	Cyperaceae	Hemicryptophyte
290	<i>Cyperus aristatus</i>	Cyperaceae	Therophyte
291	<i>Cyperus tricaps</i>	Cyperaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
292	<i>Dactyloctenium aegyptium</i>	Poaceae	Therophyte
293	<i>Digetaria bicornis</i>	Poaceae	Hemicryptophyte
294	<i>Digetaria Segetaria</i>	Poaceae	Hemicryptophyte
295	<i>Eragrostis bifaria</i>	Poaceae	Therophyte
296	<i>Eragrostis tenella</i>	Poaceae	Therophyte
297	<i>Ischaemum rugosum</i>	Poaceae	Hemicryptophyte
298	<i>Setaria glauca</i>	Cyperaceae	Hemicryptophyte
299	<i>Fuligopsis binata</i>	Gramineae	Hemicryptophyte
300	<i>Thysanolaena maxima</i>	Gramineae	Hemicryptophyte
	Endangered plants	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
Aves		
<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>Eudynamys scolopacea</i>	Tourak	Sch-IV
<i>Merops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV
<i>Uropygium benghalense tehttingae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Nectarini a minima</i>	Small sunbird	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
Butterflies		
<i>Hypolimnas bolina Lin.</i>	Glossyblue	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Neptis hylas Moore</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Parantica aglea Stell.</i>	Glossy tiger	-
Mammals		
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus scrofa</i>	Wild pig	Sch-III
<i>Hemipotes edwardsii</i>	Common mongoose	Sch-IV
<i>Vulpes benghalensis</i>	Wild fox	Sch-II
<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)
Aves		
<i>Phalacrocorax niger</i>	Little cormorant	Sch-IV
<i>Ardea purpurea manilensis</i>	Eastern purple heron	Sch-IV
<i>Nycticorax nycticorax</i>	Night heron	Sch-IV
<i>Ardeola grayii grayii</i>	Paddy bird	Sch-IV
<i>Dupetor 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>Milvus migrans govinda</i>	Common pariah kite	Sch-IV
<i>Haliastur indus indus</i>	Brahminy kite	Sch-IV
<i>Varanus indicus indicus</i>	Redwattled lapwing	Sch-IV
<i>Tringa hypoleuca</i>	Common sandpiper	Sch-IV
<i>Gelochelidon nilotica nilotica</i>	Glossy tern	Sch-IV
<i>Eudynamys scolopacea</i>	Indian koc	Sch-IV
<i>Halcyon smyrnensis fusca</i>	Indian white breasted Kingfisher	Sch-IV
<i>Merops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV

Technical Name	English Name/Local Name	Wild Life Protection Act (1972)
<i>Coracias benghalensis indica</i>	Southern Indian Roller	Sch-IV
<i>Dinopium benghalense tehriniae</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>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Nectarinia zeylanica sola</i>	Indian purple rumped sunbird	Sch-IV
<i>Arachnothera longirostris longirostris</i>	Little spinder 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>	Tutor bird guzurata	Sch-IV
<i>Pavo cristatus</i>	Peacock	Part-III of Sch-I
Amphibians		
<i>Rana tigrina</i>	Common frog	Sch-IV
<i>Bufo melanostictus</i>	Toad	Sch-IV
Reptiles		
<i>Calotes versicolor</i>	Lizard	Sch-IV
<i>Calotes versicolor</i>	Common garden lizard	Sch-IV
<i>Chamaeleo zeylanicus</i>	Indian chameleon	Sch-II
<i>Lycodon spp.</i>	Wolf snake	Sch-III
<i>Dipsas spp.</i>	Cat snake	Sch-III
<i>Bambaris spp.</i>	Krait	Sch-II
<i>Naja naja</i>	Indian Cobra	Sch-III
<i>Vipera spp.</i>	Russells Viper	Sch-III
<i>Python sp.</i>	Python sp.	Sch-I
Butterflies		
<i>Pachliopta hector Lin.</i>	Crimson rose	-
<i>Papilio demoleus Lin.</i>	Lime butterfly	-
<i>Graphium agamemnon Lin.</i>	Tailed Jay	-
<i>Junonia almana Lin.</i>	Pearcock pansy	-
<i>Hypolimnia bolina Lin.</i>	Great ecofIV	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Nephele tyche Noire</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Catopsilia sp.</i>	Emigrant	-
Mammals		
<i>Rattus sp.</i>	Rat	Sch-IV
<i>Lepus nigricollis</i>	Hare	Sch-IV
<i>Canis aureus</i>	Jackal	Sch-III
<i>Presbytis entellus</i>	Langur	Sch-II
<i>Presbytis phayrei</i>	Monkey	Sch-I
<i>Funambulus spp.</i>	Squirrel	Sch-IV
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus scrofa</i>	Wild pig	Sch-III
<i>Rattus norvegicus</i>	Field mouse	Sch-V
<i>Rattus rattus</i>	House rat	Sch-V
<i>Rhinolophus spp.</i>	Bat	Sch-V
<i>Hippopotamus spp.</i>	Bat	Sch-V
<i>Herpestes edwardsii</i>	Common mongoose	Sch-IV
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Vulpes bengalensis</i>	Wild Fox	Sch-III
<i>Melursus ursinus</i>	Bear	Sch-III
<i>Hystrix indica</i>	Percupine	Sch-IV
<i>Axis axis</i>	Spotted deer	Sch-III
<i>Canis lupus pallipes</i>	Indian wolf	Part-I of Sch-I
<i>Mellivora gubernatrix</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>Panthera hermaphroditus</i>	Indian Small civet	Part-I of sch-I
<i>Muntiacus muntiacus</i>	Barking deer	Sch-III
<i>Macaca inuata</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
Total	150740	61.531

HINDALCO INDUSTRIES LIMITED
Samri Mines Division

Ground Water Level Data (April 2025 to September 2025)

Kudag Mine Lease Piezometer Reading		
S No	Month	Depth (meter)
1	Apr-25	30.8
2	May-25	31.3
3	Jun-25	30.1
4	Jul-25	28.7
5	Aug-25	28.1
6	Sep-25	28.7



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Test Report

Test Report No.: ALPL/02062025/19-1

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-1 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
		Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		
Sampling Date: 19.05.2025 Sampling Time: 12.05 pm		
Sampling Location Saraidih (Hindalco Campus)		
Tests required 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.		

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	--	--	BLQ(LOQ-2)
2	Escherichia coli	MPN/100 ml	IS 1622	--	--	BLQ(LOQ-2)
II	Discipline : Chemical Group : Water					
3	Total Alkalinity (as Calcium Carbonate)	mg/l	APHA method 23 rd edition:2017	200	600	153
4	Ammonia (as N)	mg/l	APHA method 23 rd edition:2017	0.5	No relaxation	BLQ(LOQ - 0.1)
5	Anionic Detergents (as MBAS)	mg/l	APHA method 23 rd edition:2017	0.2	1.0	BLQ(LOQ - 0.01)
6	Colour	Hazen units	APHA method 23 rd edition:2017	5	15	1
7	Cyanide (as CN)	mg/l	APHA method 23 rd edition:2017	0.05	No relaxation	BLQ(LOQ - 0.005)
8	Chloride (as Cl)	mg/l	APHA method 23 rd edition:2017	250	1000	28.43
9	Calcium (as Ca)	mg/l	APHA method 23 rd edition:2017	75	200	46.19
10	Chloramines (as Cl ₂)	mg/l	APHA method 23 rd edition:2017	4.0	No relaxation	BLQ(LOQ - 0.1)
11	Free Residual Chlorine	mg/l	APHA method 23 rd edition:2017	0.2	1	BLQ(LOQ - 0.1)
12	Fluoride (as F)	mg/l	APHA method 23 rd edition:2017	1.0	1.5	0.17
13	Magnesium (as Mg)	mg/l	APHA method 23 rd edition:2017	30	100	14.81
14	Nitrate (as NO ₃)	mg/l	IS 3025 (Part 34/sec.1)	45	No relaxation	BLQ(LOQ - 2)
15	Odour	+	APHA method 23 rd edition:2017	Agreeable	Agreeable	Agreeable
16	pH	+	APHA method 23 rd edition:2017	6.5 to 8.5	No relaxation	7.94
17	Phenolic compounds	mg/l	APHA method 23 rd edition:2017	0.001	0.002	BLQ(LOQ - 0.001)
18	Sulphate (as SO ₄)	mg/l	APHA method 23 rd edition:2017	200	400	18.32
19	Sulphide (as H ₂ S)	mg/l	APHA method 23 rd edition:2017	0.05	No relaxation	BLQ(LOQ - 0.03)
20	Taste	+	APHA method 23 rd edition:2017	Agreeable	Agreeable	Agreeable
21	Total dissolved solids	mg/l	APHA method 23 rd edition:2017	500	2000	472
22	Turbidity	NTU	APHA method 23 rd edition:2017	1	5	0.3
23	Total hardness (as CaCO ₃)	mg/l	APHA method 23 rd edition:2017	200	600	176.30

Please refer last Page for Note and Remarks.

Verified By

Srinivas Raut
Technical Manager

Authorized Signatories

Pramita Manchewar
Dy. Technical Manager

Chinmay Garware
Deputy Quality Manager





Test Report

Test Report No.: ALPL/02062025/19-1

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-1 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 12.05 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Mineral Oil, 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						
11	Arsenic (as As)	mg/l	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	ICP-OES	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	ICP-OES	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	ICP-OES	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	ICP-OES	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	ICP-OES	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	ICP-OES	1.0	No relaxation	0.16
31	Lead (as Pb)	mg/l	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	ICP-OES	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	ICP-OES	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	ICP-OES	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	ICP-OES	5	15	BLQ (LOQ-0.02)
II Discipline : Chemical Group : Residues contaminants in water						
37	Mineral Oil	mg/l	By FTIR	1	No relaxation	BLQ (LOQ-0.001)
39	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	By GC-ECD	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Verified by

Dhanashree Hiwani
Sr. Technical Assistant

Kishan Dhangajani
Deputy Technical Manager

Authorized Signatory

Chimay Gardey
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-1

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-1 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 12.05 pm	Sampling Location Saraidih (Hindalco Campus)

Tests required : 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	By GCMS/MS			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Fluorene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Chrysene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
43	Indeno(1,2,3,cd)pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(ghi)perylene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
43	Trihalomethanes					
i	Bromoform	mg/l	By GC-ECD	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.

Verified By

Kailash Dhanraj
Deputy Technical Manager

Authorized Signatory

Chinmay Panwar
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-1

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-1 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025
Sample Description Ground Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 12.05 pm	Sampling Location Saraidih (Hindalco Campus)

Tests required - Pesticide Residues Organochlorine

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	By GCMS/MS	0.01	No relaxation	BLQ (LOQ-0.01)
	Beta HCH	µg/l	By GCMS/MS	0.04	No relaxation	BLQ (LOQ-0.03)
	Delta- HCH	µg/l	By GCMS/MS	0.04	No relaxation	BLQ (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	By GCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
3	Alachlor	µg/l	By GCMS/MS	20	No relaxation	BLQ (LOQ-0.03)
4	Aldrin	µg/l	By GCMS/MS	0.03	No relaxation	BLQ (LOQ-0.03)
	Dieldrin	µg/l	By GCMS/MS	0.03	No relaxation	BLQ (LOQ-0.03)
5	Butachlor	µg/l	By LCMS/MS	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	By GCMS/MS	1	No relaxation	BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
7	Atrazine	µg/l	By LCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	By LCMS/MS	30	No relaxation	BLQ (LOQ-0.03)
9	Endosulphane					
	Alpha-Endosulphane	µg/l	By GCMS/MS	0.4	No relaxation	BLQ (LOQ-0.03)
	Beta-Endosulphane					
	Endosulphane sulphate					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhamrai
Deputy Technical Manager

Authorized Signatory

Chinmay Gehway
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-1

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-1 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 12.05 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required - Pesticide Residues Organophosphorus		

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	By LCMS/MS	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/l	By LCMS/MS	1	No relaxation	BLQ (LOQ-0.03)
12	Parathion methyl	µg/l	By LCMS/MS	0.3	No relaxation	BLQ (LOQ-0.03)
	Paraoxon methyl	µg/l	By LCMS/MS	-	-	BLQ (LOQ-0.03)
13	Malathion	µg/l	By LCMS/MS	190	No relaxation	BLQ (LOQ-0.03)
	Malaoxon	µg/l	By LCMS/MS	-	-	BLQ (LOQ-0.03)
14	Ethion	µg/l	By LCMS/MS	3	No relaxation	BLQ (LOQ-0.03)
15	Chlorpyrifos	µg/l	By GCMS/MS	30	No relaxation	BLQ (LOQ-0.03)
16	Phorate	µg/l	By LCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfone					
	Phorate-sulfoxide					

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. • µg/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. • AN/07.2/RES-01, AN/07.2/RES-06: Inhouse validated method. • NT indicates not Tested as sample failed to establish safety concerns. • Sampling Method: AN/07.2/MON-01 • Environmental condition – Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

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 tested parameters.

Verified By

Kashish Dhamraitani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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





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Test Report

Test Report No.: ALPL/02062025/19-2

Dated 02.06.2025

Page 1 of 5

Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-2 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-2	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 01.20 pm	Sampling Location Kudag Village
Tests required 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.		

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	--	--	BLQ(LOQ-2)
2	Escherichia coli	MPN/100 ml	IS 1622	--	--	BLQ(LOQ-2)
II	Discipline : Chemical			Group : Water		
3	Total Alkalinity (as Calcium Carbonate)	mg/l	APHA method 23 rd edition:2017	200	600	131.75
4	Ammonia (as N)	mg/l	APHA method 23 rd edition:2017	0.5	No relaxation	BLQ(LOQ - 0.1)
5	Anionic Detergents (as MBAS)	mg/l	APHA method 23 rd edition:2017	0.2	1.0	BLQ(LOQ - 0.01)
6	Colour	Hazen units	APHA method 23 rd edition:2017	5	15	1
7	Cyanide (as CN)	mg/l	APHA method 23 rd edition:2017	0.05	No relaxation	BLQ(LOQ - 0.005)
8	Chloride (as Cl)	mg/l	APHA method 23 rd edition:2017	250	1000	21.47
9	Calcium (as Ca)	mg/l	APHA method 23 rd edition:2017	75	200	52.17
10	Chloramines (as Cl ₂)	mg/l	APHA method 23 rd edition:2017	4.0	No relaxation	BLQ(LOQ - 0.1)
11	Free Residual Chlorine	mg/l	APHA method 23 rd edition:2017	0.2	1	BLQ(LOQ - 0.1)
12	Fluoride (as F)	mg/l	APHA method 23 rd edition:2017	1.0	1.5	0.16
13	Magnesium (as Mg)	mg/l	APHA method 23 rd edition:2017	30	100	12.58
14	Nitrate (as NO ₃)	mg/l	IS 3025 (Part 34/sec.1)	45	No relaxation	BLQ(LOQ - 2)
15	Odour	-	APHA method 23 rd edition:2017	Agreeable	Agreeable	Agreeable
16	pH	-	APHA method 23 rd edition:2017	6.5 to 8.5	No relaxation	8.14
17	Phenolic compounds (as C ₆ H ₅ OH)	mg/l	APHA method 23 rd edition:2017	0.001	0.002	BLQ(LOQ - 0.001)
18	Sulphate (as SO ₄)	mg/l	APHA method 23 rd edition:2017	200	400	21.43
19	Sulphide (as H ₂ S)	mg/l	APHA method 23 rd edition:2017	0.05	No relaxation	BLQ(LOQ - 0.03)
20	Taste	-	APHA method 23 rd edition:2017	Agreeable	Agreeable	Agreeable
21	Total dissolved solids	mg/l	APHA method 23 rd edition:2017	500	2000	452
22	Turbidity	NTU	APHA method 23 rd edition:2017	1	5	0.7
23	Total hardness (as CaCO ₃)	mg/l	APHA method 23 rd edition:2017	200	600	182.09

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Premita Manchewar
Dy. Technical Manager

Chinmay Garware
Deputy Quality Manager





Test Report

Test Report No.: ALPL/02062025/19-2

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-2 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-2	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 01.20 pm	Sampling Location Kudag Village
Tests required Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Mineral Oil, 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	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	ICP-OES	0.03	0.2	BLQ (LOQ-0.02)
26	Barium (as Ba)	mg/l	ICP-OES	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	ICP-OES	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	ICP-OES	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	ICP-OES	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	ICP-OES	1.0	No relaxation	0.20
31	Lead (as Pb)	mg/l	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	ICP-OES	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	ICP-OES	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	ICP-OES	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	ICP-OES	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	ICP-OES	5	15	BLQ (LOQ-0.02)
II Discipline : Chemical Group : Residues contaminants in water						
37	Mineral Oil	mg/l	By FTIR	1	No relaxation	BLQ (LOQ-0.001)
39	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	By GC-ECD	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	By GC-ECD			BLQ (LOQ-0.03)

Please refer last Page for Note and Remarks.

Verified by

Dhahashree Hiwanj
Sr. Technical Assistant

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chimay Garwey
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-2

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-2 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025
Sample Description Ground Water	Sample Particulars / Details GW-2	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 01.20 pm	Quantity Received 5 Ltr
Sampling Location Kudag Village		

Tests required : 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	By GCMS/MS			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Acenaphthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Fluorene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Phenanthrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Chrysene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
41	Indeno(123,cd)pyrene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
	Benzo(ghi)perylene	µg/l	By GCMS/MS			BLQ (LOQ-0.03)
41	Trihalomethanes					
i	Bromoform	mg/l	By GC-ECD	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.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-2

Dated 02.06.2025

Page 4 of 5

Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-2 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025
Sample Description Ground Water	Sample Particulars / Details GW-2	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 01.20 pm	Sampling Location Kudag Village
Tests required - Pesticide Residues Organochlorine		

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	By GCMS/MS	0.01	No relaxation	BLQ (LOQ-0.01)
	Beta HCH	µg/l	By GCMS/MS	0.04	No relaxation	BLQ (LOQ-0.03)
	Delta- HCH	µg/l	By GCMS/MS	0.04	No relaxation	BLQ (LOQ-0.03)
2	Gamma - HCH (Lindane)	µg/l	By GCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
3	Alachlor	µg/l	By GCMS/MS	20	No relaxation	BLQ (LOQ-0.03)
4	Aldrin	µg/l	By GCMS/MS	0.03	No relaxation	BLQ (LOQ-0.03)
	Dieldrin	µg/l	By GCMS/MS	0.03	No relaxation	BLQ (LOQ-0.03)
5	Butachlor	µg/l	By LCMS/MS	125	No relaxation	BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			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	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
		µg/l	By GCMS/MS			BLQ (LOQ-0.03)
7	Atrazine	µg/l	By LCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
8	2,4-Dichlorophenoxyacetic acid	µg/l	By LCMS/MS	30	No relaxation	BLQ (LOQ-0.03)
9	Endosulphan					
	Alpha-Endosulphan	µg/l	By GCMS/MS	0.4	No relaxation	BLQ (LOQ-0.03)
	Beta-Endosulphan					
	Endosulphan sulphate					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garware
Deputy Quality Manager





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Test Report

Test Report No.: ALPL/02062025/19-2

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23052025/ EW-1/15-2 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Description Ground Water	Sample Particulars / Details GW-2	Purpose of analysis Drinking Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande	Sampling Date: 19.05.2025 Sampling Time: 01.20 pm	Sampling Location Kudag Village
Tests required - Pesticide Residues Organophosphorus		

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	By LCMS/MS	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/l	By LCMS/MS	1	No relaxation	BLQ (LOQ-0.03)
12	Parathion methyl	µg/l	By LCMS/MS	0.3	No relaxation	BLQ (LOQ-0.03)
	Paraoxon methyl	µg/l	By LCMS/MS	-	-	BLQ (LOQ-0.03)
13	Malathion	µg/l	By LCMS/MS	190	No relaxation	BLQ (LOQ-0.03)
	Malaoxon	µg/l	By LCMS/MS	-	-	BLQ (LOQ-0.03)
14	Ethion	µg/l	By LCMS/MS	3	No relaxation	BLQ (LOQ-0.03)
15	Chlorpyrifos	µg/l	By GCMS/MS	30	No relaxation	BLQ (LOQ-0.03)
16	Phorate	µg/l	By LCMS/MS	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfone					
	Phorate-sulfoxide					

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. • ANM/7.2/RES-01, ANM/7.2/RES/06: Inhouse validated method. • NT indicates not Tested as sample failed to establish safety concerns. • Sampling Method:ANM/7.2/MON-01 • Environmental condition – Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

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 tested parameters.

Verified By

Kashish Dhanrajan
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन विभाग
केन्द्रीय भूमि जल प्राधिकरण
GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
CENTRAL GROUND WATER AUTHORITY



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 ³ /day	m ³ /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

Self Help Group (SHGs)

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

Unit: Hindalco Industries Limited, Samri Mines Division							
Sl. No	SHG Name	Village Name	District Name	No Of Members	A/C Details		Economic Activity Name
					Members	Bank Savings in Bank A/C	
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	-	Agriculture
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



Anacon Laboratories

Test Report

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Ambient Air Quality-April-2025

Page 1 of 1

Report No.:-	ALPL/07052025/19-1	Report Date:-	07.05.2025
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/02052025/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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.	AAQ-1 Sairaidh Campus	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
		01.04.2025	72.6	25.9	14.3	24.1	BLQ (LOQ-0.5)
		02.04.2025	70.3	24.3	13.5	23.6	BLQ (LOQ-0.5)
		09.04.2025	65.3	19.2	10.3	22.1	BLQ (LOQ-0.5)
		10.04.2025	65.6	24.1	13.8	22.9	BLQ (LOQ-0.5)
		17.04.2025	65.3	26.2	15.8	21.8	BLQ (LOQ-0.5)
		18.04.2025	69.1	22.4	13.9	23.7	BLQ (LOQ-0.5)
		25.04.2025	65.3	24.1	12.9	21.4	BLQ (LOQ-0.5)
		29.04.2025	67.3	25.7	14.2	25.9	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 ng/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		01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwari
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----



Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-2	Report Date:-	07.05.2025
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/02052025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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	01.04.2025	67.2	20.8	12.6	22.3	BLQ (LOQ-0.5)
		02.04.2025	65.5	22.4	13.8	24.3	BLQ (LOQ-0.5)
		09.04.2025	59.3	18.4	10.8	23.7	BLQ (LOQ-0.5)
		10.04.2025	70.1	24.3	15.7	28.1	BLQ (LOQ-0.5)
		17.04.2025	65.3	22.8	13.5	24.8	BLQ (LOQ-0.5)
		18.04.2025	63.4	21.9	15.2	26.7	BLQ (LOQ-0.5)
		25.04.2025	68.3	23.4	14.2	25.1	BLQ (LOQ-0.5)
		29.04.2025	69.3	24.1	12.6	23.1	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 ng/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	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garware
Deputy Quality Manager

----End of Report----



Anacon Laboratories

Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-3	Report Date:-	07.05.2025
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/02052025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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	01.04.2025	68.3	22.5	12.6	24.9	BLQ (LOQ-0.5)
		02.04.2025	71.6	23.2	15.6	30.4	BLQ (LOQ-0.5)
		09.04.2025	60.4	18.6	12.4	22.6	BLQ (LOQ-0.5)
		10.04.2025	57.6	21.6	10.4	20.7	BLQ (LOQ-0.5)
		17.04.2025	55.8	18.1	9.5	18.2	BLQ (LOQ-0.5)
		18.04.2025	61.2	20.6	11.4	20.9	BLQ (LOQ-0.5)
		25.04.2025	63.5	22.9	13.7	20.5	BLQ (LOQ-0.5)
		29.04.2025	61.3	19.5	10.4	19.6	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 ng/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
I. Discipline: Chemical Group: Atmospheric Pollution Material or Product tested : Ambient Air						
AAQ-3	Old Kudag/ Mining Area	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





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Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-4	Report Date:-	07.05.2025
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/02052025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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							
AAQ-4	Samri-Gopatu/ Near Weigh bridge	01.04.2025	57.4	24.1	13.6	25.4	BLQ (LOQ-0.5)
		02.04.2025	59.6	21.8	9.8	19.3	BLQ (LOQ-0.5)
		09.04.2025	60.7	22.1	13.8	21.6	BLQ (LOQ-0.5)
		10.04.2025	57.6	18.4	11.9	20.4	BLQ (LOQ-0.5)
		17.04.2025	63.7	23.9	13.4	22.8	BLQ (LOQ-0.5)
		18.04.2025	59.3	19.4	10.3	20.7	BLQ (LOQ-0.5)
		25.04.2025	65.2	22.5	15.3	21.4	BLQ (LOQ-0.5)
		29.04.2025	59.3	19.7	13.8	23.5	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 ng/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
I. Discipline: Chemical						
AAQ-4	Samri-Gopatu/ Near Weigh bridge	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garware
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.





Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-5	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balsrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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	01.04.2025	63.4	20.4	14.9	24.1	BLQ (LOQ-0.5)
		02.04.2025	62.8	21.6	13.2	23.1	BLQ (LOQ-0.5)
		09.04.2025	68.4	25.4	14.2	24.1	BLQ (LOQ-0.5)
		10.04.2025	65.3	24.1	12.9	21.4	BLQ (LOQ-0.5)
		17.04.2025	67.3	25.7	14.2	25.9	BLQ (LOQ-0.5)
		18.04.2025	72.3	23.7	12.6	24.1	BLQ (LOQ-0.5)
		25.04.2025	60.2	22.4	10.3	19.7	BLQ (LOQ-0.5)
		29.04.2025	70.6	24.2	13.9	25.4	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 ng/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	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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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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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Gerway
Deputy Quality Manager

----End of Report----



Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-6	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Sami (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	01.04.2025	56.4	18.6	8.3	19.7	BLQ (LOQ-0.5)
		02.04.2025	59.8	20.3	9.8	25.2	BLQ (LOQ-0.5)
		09.04.2025	60.3	22.7	11.5	21.6	BLQ (LOQ-0.5)
		10.04.2025	63.7	24.2	13.9	24.1	BLQ (LOQ-0.5)
		17.04.2025	58.6	20.4	12.9	22.4	BLQ (LOQ-0.5)
		18.04.2025	62.8	23.4	13.8	21.6	BLQ (LOQ-0.5)
		25.04.2025	63.8	22.4	13.9	21.2	BLQ (LOQ-0.5)
		29.04.2025	54.2	19.8	10.6	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager

---End of Report---





Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-7	Report Date:-	07.05.2025
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/02052025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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.	AAQ-7 Tatijharia Village/ Nr.Weigh Bridge	01.04.2025	61.5	18.3	9.6	18.6	BLQ (LOQ-0.5)
		02.04.2025	59.8	21.8	11.6	20.7	BLQ (LOQ-0.5)
		09.04.2025	57.3	20.3	12.4	19.7	BLQ (LOQ-0.5)
		10.04.2025	56.8	20.4	13.9	21.5	BLQ (LOQ-0.5)
		17.04.2025	62.4	23.8	14.2	24.8	BLQ (LOQ-0.5)
		18.04.2025	60.2	21.8	15.1	24.5	BLQ (LOQ-0.5)
		25.04.2025	63.8	23.7	13.9	21.9	BLQ (LOQ-0.5)
		29.04.2025	59.7	22.4	14.2	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 ng/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		01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----



Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/19-8	Report Date:-	07.05.2025
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/02052025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.05.2025
Test Started On:-	03.05.2025	Test Completed On:-	06.05.2025
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) mg/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	01.04.2025	61.7	24.9	12.9	26.1	BLQ (LOQ-0.5)
		02.04.2025	66.2	29.7	15.3	24.8	BLQ (LOQ-0.5)
		09.04.2025	60.7	26.8	13.4	18.3	BLQ (LOQ-0.5)
		10.04.2025	59.4	23.3	12.8	18.3	BLQ (LOQ-0.5)
		17.04.2025	55.9	21.6	11.3	19.5	BLQ (LOQ-0.5)
		18.04.2025	58.3	20.2	10.63	19.3	BLQ (LOQ-0.5)
		25.04.2025	55.1	21.8	9.8	21.7	BLQ (LOQ-0.5)
		29.04.2025	60.2	22.7	15.3	22.7	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 ng/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	01.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.04.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garware
Deputy Quality Manager

----End of Report----



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Test Report

Ambient Air Quality-June-2025

Page 1 of 1

Report No.:-	ALPL/07072025/10-1	Report Date:-	07.07.2025
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/010772025/ENV-2/88-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
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) mg/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					
AAQ-1	Sairaidh Campus	03.05.2025	65.2	22.1	11.6	21.8	BLQ (LOQ-0.5)
		06.05.2025	70.3	25.4	15.3	26.2	BLQ (LOQ-0.5)
		13.05.2025	67.8	20.9	12.5	24.1	BLQ (LOQ-0.5)
		15.05.2025	61.1	19.3	10.3	18.3	BLQ (LOQ-0.5)
		21.05.2025	63.5	23.8	13.4	24.1	BLQ (LOQ-0.5)
		23.05.2025	69.4	21.7	11.6	22.5	BLQ (LOQ-0.5)
		27.05.2025	72.1	28.7	12.3	27.4	BLQ (LOQ-0.5)
		30.05.2025	70.4	29.6	13.4	24.6	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 ng/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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-June-2025

Report No.:-	ALPL/07072025/10-2	Report Date:-	07.07.2025
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/010772025/ENV-2/88-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
Sampling Procedure	ANld/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) mg/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	03.05.2025	64.3	20.4	12.9	20.4	BLQ (LOQ-0.5)
		06.05.2025	63.4	21.3	14.2	25.7	BLQ (LOQ-0.5)
		13.05.2025	57.1	19.3	15.4	24.8	BLQ (LOQ-0.5)
		15.05.2025	61.8	20.6	13.8	21.4	BLQ (LOQ-0.5)
		21.05.2025	72.4	24.6	13.4	24.9	BLQ (LOQ-0.5)
		23.05.2025	66.7	26.4	14.2	20.6	BLQ (LOQ-0.5)
		27.05.2025	70.3	19.4	10.4	25.3	BLQ (LOQ-0.5)
		30.05.2025	64.1	23.8	14.1	23.7	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 ng/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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-June-2025

Report No.:-	ALPL/07072025/10-3	Report Date:-	07.07.2025
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/010772025/ENV-2/88-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	03.05.2025	61.9	21.7	11.7	21.9	BLQ (LOQ-0.5)
		06.05.2025	65.2	23.8	14.2	25.9	BLQ (LOQ-0.5)
		13.05.2025	69.4	25.1	15.6	21.6	BLQ (LOQ-0.5)
		15.05.2025	62.9	21.8	12.6	21.4	BLQ (LOQ-0.5)
		21.05.2025	64.1	28.5	14.9	24.8	BLQ (LOQ-0.5)
		23.05.2025	73.1	30.1	13.5	21.4	BLQ (LOQ-0.5)
		27.05.2025	62.1	23.7	10.5	18.1	BLQ (LOQ-0.5)
		30.05.2025	66.1	23.4	12.5	22.7	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut

Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Barwala
Deputy Quality Manager



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.



Anacon Laboratories

Test Report

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Page 1 of 1

Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/10-4	Report Date:-	07.07.2025
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/010772025/ENV-2/88-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
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	03.05.2025	64.8	23.9	14.5	26.1
		06.05.2025	55.3	18.3	12.4	19.6
		13.05.2025	58.8	22.5	12.7	24.1
		15.05.2025	56.1	19.2	9.2	18.4
		21.05.2025	64.7	26.3	12.8	24.6
		23.05.2025	61.9	24.7	11.3	26.1
		27.05.2025	58.2	18.3	8.7	19.2
		30.05.2025	64.7	21.6	12.8	24.7
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 /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani

Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/10-5	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Sami (Kusmi), District: Bairampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/010772025/ENV-2/88-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
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) mg/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	03.05.2025	62.7	20.7	10.4	19.7	BLQ (LOQ-0.5)
		06.05.2025	57.3	26.4	14.2	20.8	BLQ (LOQ-0.5)
		13.05.2025	73.1	30.5	16.7	31.4	BLQ (LOQ-0.5)
		15.05.2025	65.4	24.3	11.4	19.3	BLQ (LOQ-0.5)
		21.05.2025	64.1	22.8	12.6	20.8	BLQ (LOQ-0.5)
		23.05.2025	61.9	21.3	13.2	21.6	BLQ (LOQ-0.5)
		27.05.2025	53.4	21.8	10.7	19.6	BLQ (LOQ-0.5)
		30.05.2025	48.6	17.4	10.3	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 ng/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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwan
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Barway
Deputy Quality Manager





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Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/10-6	Report Date:-	07.07.2025
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/010772025/ENV-2/88-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
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) mg/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	03.05.2025	57.3	18.2	11.5	20.9	BLQ (LOQ-0.5)
		06.05.2025	58.3	21.9	12.4	24.1	BLQ (LOQ-0.5)
		13.05.2025	51.3	20.4	8.6	17.4	BLQ (LOQ-0.5)
		15.05.2025	49.6	18.2	10.7	22.1	BLQ (LOQ-0.5)
		21.05.2025	65.7	32.6	13.4	24.1	BLQ (LOQ-0.5)
		23.05.2025	55.4	24.1	14.2	23.8	BLQ (LOQ-0.5)
		27.05.2025	51.4	26.8	13.4	24.3	BLQ (LOQ-0.5)
		30.05.2025	56.3	21.8	12.6	23.4	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 ng/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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/10-7	Report Date:-	07.07.2025
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/010772025/ENV-2/88-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	03.05.2025	65.1	27.5	13.4	26.5	BLQ (LOQ-0.5)
		06.05.2025	66.4	24.2	12.5	20.4	BLQ (LOQ-0.5)
		13.05.2025	61.2	25.3	10.4	19.7	BLQ (LOQ-0.5)
		15.05.2025	65.7	32.6	13.4	24.1	BLQ (LOQ-0.5)
		21.05.2025	54.2	21.8	12.6	27.4	BLQ (LOQ-0.5)
		23.05.2025	61.3	22.5	13.2	24.1	BLQ (LOQ-0.5)
		27.05.2025	59.6	24.1	12.4	23.6	BLQ (LOQ-0.5)
		30.05.2025	63.9	25.7	13.9	24.5	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





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Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/10-8	Report Date:-	07.07.2025
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/010772025/ENV-2/88-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	04.07.2025
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) mg/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.	AAQ-8 Virhorepat	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
03.05.2025		49.6	18.2	10.7	22.1	BLQ (LOQ-0.5)	
06.05.2025		65.7	32.6	13.4	24.1	BLQ (LOQ-0.5)	
13.05.2025		51.3	18.5	9.4	16.2	BLQ (LOQ-0.5)	
15.05.2025		53.9	17.2	9.6	18.2	BLQ (LOQ-0.5)	
21.05.2025		53.4	21.8	10.7	19.6	BLQ (LOQ-0.5)	
23.05.2025		48.6	17.4	10.3	20.4	BLQ (LOQ-0.5)	
27.05.2025		55.3	21.4	12.6	20.7	BLQ (LOQ-0.5)	
30.05.2025		58.4	16.9	9.4	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 ng/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		03.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.05.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





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Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/06072025/12-1	Report Date:-	06.07.2025
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/02062025/ENV-2/84-1 to 8
	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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							
AAQ-1	Sairaidh Campus	03.06.2025	48.3	16.9	6.4	17.2	BLQ (LOQ-0.5)
		05.06.2025	53.9	21.6	8.1	19.7	BLQ (LOQ-0.5)
		11.06.2025	47.2	16.4	6.2	17.1	BLQ (LOQ-0.5)
		14.06.2025	52.6	18.7	7.9	19.2	BLQ (LOQ-0.5)
		17.06.2025	56.3	21.8	9.4	23.6	BLQ (LOQ-0.5)
		19.06.2025	54.9	19.2	6.8	18.3	BLQ (LOQ-0.5)
		24.06.2025	47.2	16.9	6.2	17.1	BLQ (LOQ-0.5)
		27.06.2025	53.1	23.4	7.9	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 ng/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
I. Discipline: Chemical						
AAQ-1	Sairaidh Campus	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-June-2025

Report No.:-	ALPL/06072025/12-2	Report Date:-	06.07.2025
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/02062025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	49.2	18.3	8.4	16.2	BLQ (LOQ-0.5)
		05.06.2025	54.7	19.1	9.1	16.8	BLQ (LOQ-0.5)
		11.06.2025	51.2	16.9	7.2	17.3	BLQ (LOQ-0.5)
		14.06.2025	57.6	23.6	11.4	21.9	BLQ (LOQ-0.5)
		17.06.2025	49.3	18.2	9.2	19.1	BLQ (LOQ-0.5)
		19.06.2025	52.8	19.7	11.3	21.4	BLQ (LOQ-0.5)
		24.06.2025	47.2	16.9	8.1	17.2	BLQ (LOQ-0.5)
		27.06.2025	51.6	19.3	7.2	18.4	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 ng/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	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/06072025/12-3	Report Date:-	06.07.2025
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/02062025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	57.3	24.7	9.2	21.6	BLQ (LOQ-0.5)
		05.06.2025	64.7	29.1	12.8	26.1	BLQ (LOQ-0.5)
		11.06.2025	54.9	18.3	8.7	16.4	BLQ (LOQ-0.5)
		14.06.2025	56.3	21.9	9.2	18.6	BLQ (LOQ-0.5)
		17.06.2025	61.7	23.8	11.4	23.8	BLQ (LOQ-0.5)
		19.06.2025	54.9	19.2	7.6	17.3	BLQ (LOQ-0.5)
		24.06.2025	56.2	21.6	9.2	21.7	BLQ (LOQ-0.5)
		27.06.2025	56.1	21.6	9.3	17.4	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 ng/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	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

----End of Report----



Anacon Laboratories

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Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/06072025/12-4	Report Date:-	06.07.2025
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/02062025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	57.2	21.7	8.4	21.6	BLQ (LOQ-0.5)
		05.06.2025	61.9	19.3	11.7	23.8	BLQ (LOQ-0.5)
		11.06.2025	54.3	17.6	9.2	18.3	BLQ (LOQ-0.5)
		14.06.2025	48.3	18.2	9.2	18.6	BLQ (LOQ-0.5)
		17.06.2025	52.6	19.4	9.7	19.4	BLQ (LOQ-0.5)
		19.06.2025	47.1	16.8	8.4	16.9	BLQ (LOQ-0.5)
		24.06.2025	47.2	16.1	7.6	16.9	BLQ (LOQ-0.5)
		27.06.2025	51.7	21.6	11.4	21.3	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 ng/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	ANtr/7.2/RES-INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Test Report

Page 1 of 1

Ambient Air Quality-June-2025

Report No.:-	ALPL/06072025/12-5	Report Date:-	06.07.2025
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/02062025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	58.3	21.6	8.7	23.9	BLQ (LOQ-0.5)
		05.06.2025	63.8	24.9	11.6	26.1	BLQ (LOQ-0.5)
		11.06.2025	54.1	18.3	7.2	19.7	BLQ (LOQ-0.5)
		14.06.2025	58.6	21.4	9.3	23.6	BLQ (LOQ-0.5)
		17.06.2025	67.2	24.9	12.8	26.1	BLQ (LOQ-0.5)
		19.06.2025	62.9	19.2	9.7	21.8	BLQ (LOQ-0.5)
		24.06.2025	56.1	18.4	8.4	18.3	BLQ (LOQ-0.5)
		27.06.2025	53.7	18.2	7.6	17.3	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 ng/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	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





Test Report

Page 1 of 1

Ambient Air Quality-June-2025

Report No.:-	ALPL/06072025/12-6	Report Date:-	06.07.2025
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/02062025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	61.7	23.6	11.4	24.7	BLQ (LOQ-0.5)
		05.06.2025	57.3	21.8	9.3	21.6	BLQ (LOQ-0.5)
		11.06.2025	54.6	18.2	8.4	16.9	BLQ (LOQ-0.5)
		14.06.2025	48.2	16.7	7.6	15.2	BLQ (LOQ-0.5)
		17.06.2025	51.9	18.6	9.1	16.4	BLQ (LOQ-0.5)
		19.06.2025	53.8	21.4	9.7	16.7	BLQ (LOQ-0.5)
		24.06.2025	56.1	23.8	11.6	23.1	BLQ (LOQ-0.5)
		27.06.2025	54.7	19.2	8.1	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 ng/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	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-June-2025

Report No.:-	ALPL/06072025/12-7	Report Date:-	06.07.2025
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/02062025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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	03.06.2025	64.7	24.9	9.7	18.2	BLQ (LOQ-0.5)
		05.06.2025	57.3	18.3	8.4	16.9	BLQ (LOQ-0.5)
		11.06.2025	62.8	21.6	9.2	21.4	BLQ (LOQ-0.5)
		14.06.2025	47.3	15.7	6.8	16.2	BLQ (LOQ-0.5)
		17.06.2025	51.9	16.3	7.6	17.4	BLQ (LOQ-0.5)
		19.06.2025	48.1	15.9	6.4	16.1	BLQ (LOQ-0.5)
		24.06.2025	53.9	18.1	9.2	21.7	BLQ (LOQ-0.5)
		27.06.2025	49.3	17.6	8.1	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 ng/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	ANtr/7.2/RES-INORG/04
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-June-2025

Report No.:-	ALPL/06072025/12-8	Report Date:-	06.07.2025
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/02062025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	02.06.2025
Test Started On:-	03.06.2025	Test Completed On:-	05.06.2025
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) mg/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							
AAQ-8	Virhorepat	03.06.2025	62.1	23.6	11.4	18.3	BLQ (LOQ-0.5)
		05.06.2025	61.9	21.7	9.3	17.6	BLQ (LOQ-0.5)
		11.06.2025	58.3	16.4	7.6	17.2	BLQ (LOQ-0.5)
		14.06.2025	62.7	23.6	11.2	21.7	BLQ (LOQ-0.5)
		17.06.2025	64.8	26.1	12.7	23.9	BLQ (LOQ-0.5)
		19.06.2025	57.3	19.7	9.3	18.2	BLQ (LOQ-0.5)
		24.06.2025	54.7	21.6	9.7	17.3	BLQ (LOQ-0.5)
		27.06.2025	61.4	23.8	11.6	18.4	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 ng/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	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.06.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chimney Garway
Deputy Quality Manager

----End of Report----





Test Report

Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/1-1	Report Date:-	05.08.2025
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/31072025/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
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) mg/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	02.07.2025	59.6	21.8	10.2	16.9	BLQ (LOQ-0.5)
		04.07.2025	52.1	22.1	13.3	22.3	BLQ (LOQ-0.5)
		10.07.2025	54.6	22.6	9.6	21.4	BLQ (LOQ-0.5)
		11.07.2025	59.8	21.5	14.2	23.5	BLQ (LOQ-0.5)
		16.07.2025	60.1	23.6	8.2	16.8	BLQ (LOQ-0.5)
		21.07.2025	50.4	20.5	12.2	19.3	BLQ (LOQ-0.5)
		25.07.2025	53.4	20.6	10.5	20.4	BLQ (LOQ-0.5)
		30.07.2025	59.2	21.5	16.2	22.2	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 ng/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	ANtr/7.2/RES-INORG/04
AAQ-1	Sairaidh Campus	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Darway
Deputy Quality Manager

----End of Report----





Test Report

Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/1-2	Report Date:-	05.08.2025
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/31072025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
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) mg/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							
AAQ-2	New Kudag/ Nr. Weigh Bridge	02.07.2025	58.6	21.8	12.5	21.3	BLQ (LOQ-0.5)
		04.07.2025	51.4	20.3	11.6	19.8	BLQ (LOQ-0.5)
		10.07.2025	53.4	19.8	9.5	15.7	BLQ (LOQ-0.5)
		11.07.2025	59.6	22.9	11.3	19.5	BLQ (LOQ-0.5)
		16.07.2025	54.5	20.9	8.4	15.6	BLQ (LOQ-0.5)
		21.07.2025	55.2	21.2	14.2	21.6	BLQ (LOQ-0.5)
		25.07.2025	54.2	19.8	13.2	20.5	BLQ (LOQ-0.5)
		30.07.2025	58.7	21.5	11.9	22.5	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 ng/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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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 (Q/P/7.8/05).

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

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



Anacon Laboratories

Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/1-3	Report Date:-	05.08.2025
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/31072025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m ³	Particulate Matter (PM2.5) µg/m ³	Sulphur dioxide µg/m ³	Oxides of Nitrogen µg/m ³	Carbon Monoxide (as CO) mg/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	02.07.2025	50.4	22.6	14.2	19.4	BLQ (LOQ-0.5)
		04.07.2025	56.5	20.6	12.2	19.3	BLQ (LOQ-0.5)
		10.07.2025	48.6	18.5	15.8	21.4	BLQ (LOQ-0.5)
		11.07.2025	51.3	21.8	16.2	22.6	BLQ (LOQ-0.5)
		16.07.2025	60.6	24.8	13.3	23.2	BLQ (LOQ-0.5)
		21.07.2025	54.7	23.4	10.5	14.2	BLQ (LOQ-0.5)
		28.07.2025	58.3	22.4	16.3	25.1	BLQ (LOQ-0.5)
		30.07.2025	53.8	25.1	11.2	21.8	BLQ (LOQ-0.5)
		NAAQMS Standards		100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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.



Anacon Laboratories

Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/1-4	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balsampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31072025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	02.07.2025	58.2	22.7	9.1	15.2	BLQ (LOQ-0.5)
		04.07.2025	54.2	21.8	12.6	19.8	BLQ (LOQ-0.5)
		10.07.2025	53.3	21.3	8.7	15.9	BLQ (LOQ-0.5)
		11.07.2025	57.2	23.6	13.3	21.5	BLQ (LOQ-0.5)
		16.07.2025	52.6	20.4	8.1	16.8	BLQ (LOQ-0.5)
		21.07.2025	59.9	21.8	10.6	20.5	BLQ (LOQ-0.5)
		28.07.2025	53.1	19.8	12.5	21.3	BLQ (LOQ-0.5)
		30.07.2025	53.6	22.3	13.5	22.8	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Anacon Laboratories

Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Report No.:-	ALPL/05082025/1-5	Report Date:-	05.08.2025
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/31072025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01	Ambient Air Quality-July-2025	

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) mg/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	02.07.2025	57.5	22.3	10.3	19.5	BLQ (LOQ-0.5)
		04.07.2025	54.2	20.7	15.5	21.5	BLQ (LOQ-0.5)
		10.07.2025	56.6	23.5	13.8	24.1	BLQ (LOQ-0.5)
		11.07.2025	53.9	22.3	10.5	20.1	BLQ (LOQ-0.5)
		16.07.2025	58.4	21.3	8.8	17.2	BLQ (LOQ-0.5)
		21.07.2025	53.1	24.1	11.7	19.2	BLQ (LOQ-0.5)
		28.07.2025	57.4	20.1	12.5	20.5	BLQ (LOQ-0.5)
		30.07.2025	56.9	24.4	12.3	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 ng/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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.



Report No.:-	ALPL/05082025/1-6	Report Date:-	05.08.2025
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/31072025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Ambient Air Quality-July-2025

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) mg/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	02.07.2025	60.1	21.4	8.9	16.6	BLQ (LOQ-0.5)
		04.07.2025	55.3	26.2	12.2	20.4	BLQ (LOQ-0.5)
		10.07.2025	61.1	20.8	15.6	24.9	BLQ (LOQ-0.5)
		11.07.2025	68.6	25.5	10.6	21.6	BLQ (LOQ-0.5)
		16.07.2025	59.4	25.3	13.5	21.5	BLQ (LOQ-0.5)
		21.07.2025	54.6	24.8	16.9	20.8	BLQ (LOQ-0.5)
		28.07.2025	60.4	24.6	11.5	20.9	BLQ (LOQ-0.5)
		30.07.2025	63.5	20.6	14.2	23.7	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 ng/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
I. Discipline: Chemical Group: Atmospheric Pollution Material or Product tested : Ambient Air						
AAQ-6	Dhandiapat/ Nr. Mining Area	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Anacon Laboratories

Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Report No.:-	ALPL/05082025/1-7	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balsampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31072025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Page 1 of 1

Ambient Air Quality-July-2025

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) mg/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	02.07.2025	54.3	21.7	10.6	15.2	BLQ (LOQ-0.5)
		04.07.2025	59.6	26.3	14.5	20.3	BLQ (LOQ-0.5)
		10.07.2025	50.4	20.4	16.8	25.1	BLQ (LOQ-0.5)
		11.07.2025	52.7	21.6	9.9	19.3	BLQ (LOQ-0.5)
		16.07.2025	59.2	22.5	14.5	24.1	BLQ (LOQ-0.5)
		21.07.2025	58.3	21.8	14.2	17.3	BLQ (LOQ-0.5)
		28.07.2025	56.3	21.5	13.6	23.2	BLQ (LOQ-0.5)
		30.07.2025	57.5	22.6	10.2	13.8	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 ng/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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.



Anacon Laboratories

Test Report

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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/1-8	Report Date:-	05.08.2025
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/31072025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	31.07.2025
Test Started On:-	01.08.2025	Test Completed On:-	04.08.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	02.07.2025	52.8	20.8	9.5	14.2	BLQ (LOQ-0.5)
		04.07.2025	57.5	24.5	12.8	18.3	BLQ (LOQ-0.5)
		10.07.2025	58.1	25.1	16.2	23.4	BLQ (LOQ-0.5)
		11.07.2025	54.9	22.5	10.9	21.8	BLQ (LOQ-0.5)
		16.07.2025	58.5	26.3	14.1	20.5	BLQ (LOQ-0.5)
		21.07.2025	58.7	21.5	11.6	25.6	BLQ (LOQ-0.5)
		28.07.2025	58.6	25.6	16.9	25.4	BLQ (LOQ-0.5)
		30.07.2025	60.5	27.8	13.3	21.5	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	02.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30.07.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





Test Report

Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-1	Report Date:-	05.09.2025
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/01092025/ENV-2/84-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m ³	Particulate Matter (PM2.5) µg/m ³	Sulphur dioxide µg/m ³	Oxides of Nitrogen µg/m ³	Carbon Monoxide (as CO) mg/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	04.08.2025	53.9	23.8	11.7	21.4	BLQ (LOQ-0.5)
		07.08.2025	49.3	18.3	9.3	18.6	BLQ (LOQ-0.5)
		11.08.2025	52.8	21.4	12.9	23.8	BLQ (LOQ-0.5)
		14.08.2025	51.6	19.3	11.4	21.1	BLQ (LOQ-0.5)
		19.08.2025	48.3	17.6	9.3	18.3	BLQ (LOQ-0.5)
		22.08.2025	56.7	24.9	12.8	23.6	BLQ (LOQ-0.5)
		26.08.2025	54.1	21.3	11.4	19.2	BLQ (LOQ-0.5)
		29.08.2025	48.3	16.4	7.6	15.7	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 µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /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	ANtr/7.2/RES- INORG/04
AAQ-1	Sairaidh Campus	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-August-2025

Report No.:-	ALPL/05092025/1-2	Report Date:-	05.09.2025
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/01092025/ENV-2/84-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
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) mg/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	04.08.2025	61.8	27.4	12.9	21.8	BLQ (LOQ-0.5)
		07.08.2025	58.3	24.9	11.6	18.3	BLQ (LOQ-0.5)
		11.08.2025	62.7	19.2	9.1	17.6	BLQ (LOQ-0.5)
		14.08.2025	56.1	18.4	8.7	17.2	BLQ (LOQ-0.5)
		19.08.2025	61.9	23.8	11.4	18.1	BLQ (LOQ-0.5)
		22.08.2025	58.3	21.7	12.9	16.7	BLQ (LOQ-0.5)
		26.08.2025	54.7	21.6	9.3	16.8	BLQ (LOQ-0.5)
		29.08.2025	48.3	16.4	7.6	15.7	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 ng/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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager



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Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-3	Report Date:-	05.09.2025
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/01092025/ENV-2/84-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	04.08.2025	62.6	26.7	13.9	24.8	BLQ (LOQ-0.5)
		07.08.2025	58.3	21.6	9.3	18.3	BLQ (LOQ-0.5)
		11.08.2025	52.7	19.3	8.4	16.1	BLQ (LOQ-0.5)
		14.08.2025	47.6	18.7	9.1	18.6	BLQ (LOQ-0.5)
		19.08.2025	52.8	16.9	11.3	23.8	BLQ (LOQ-0.5)
		22.08.2025	46.1	17.2	9.8	18.3	BLQ (LOQ-0.5)
		26.08.2025	51.9	21.6	11.7	21.4	BLQ (LOQ-0.5)
		29.08.2025	48.3	16.9	9.1	17.3	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----

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Test Report

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Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-4	Report Date:-	05.09.2025
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/01092025/ENV-2/84-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	04.08.2025	57.6	21.6	12.9	18.4	BLQ (LOQ-0.5)
		07.08.2025	61.7	23.8	14.6	23.8	BLQ (LOQ-0.5)
		11.08.2025	56.3	19.2	9.1	17.3	BLQ (LOQ-0.5)
		14.08.2025	54.6	18.6	8.4	16.7	BLQ (LOQ-0.5)
		19.08.2025	62.8	23.4	12.6	21.9	BLQ (LOQ-0.5)
		22.08.2025	58.3	21.3	11.4	18.3	BLQ (LOQ-0.5)
		26.08.2025	61.7	19.6	9.3	19.1	BLQ (LOQ-0.5)
		29.08.2025	57.3	23.8	11.6	24.9	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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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Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-5	Report Date:-	05.09.2025
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/01092025/ENV-2/84-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
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) mg/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	04.08.2025	52.8	18.3	8.7	18.6	BLQ (LOQ-0.5)
		07.08.2025	58.2	21.4	11.3	23.7	BLQ (LOQ-0.5)
		11.08.2025	49.3	16.1	9.1	17.8	BLQ (LOQ-0.5)
		14.08.2025	46.7	18.3	8.7	16.3	BLQ (LOQ-0.5)
		19.08.2025	56.2	24.9	13.8	21.7	BLQ (LOQ-0.5)
		22.08.2025	48.6	18.1	9.3	17.2	BLQ (LOQ-0.5)
		26.08.2025	51.7	21.6	11.4	19.1	BLQ (LOQ-0.5)
		29.08.2025	53.1	19.7	9.7	17.6	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 ng/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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwan
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Anacon Laboratories

Test Report

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Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-6	Report Date:-	05.09.2025
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/01092025/ENV-2/84-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
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) mg/m^3
I.	Discipline: Chemical	Test Method	IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
AAQ-6	Dhandiapat/ Nr. Mining Area	04.08.2025	51.7	21.8	11.6	23.7	BLQ (LOQ-0.5)
		07.08.2025	47.3	19.2	8.4	16.8	BLQ (LOQ-0.5)
		11.08.2025	52.8	23.6	12.9	21.4	BLQ (LOQ-0.5)
		14.08.2025	48.2	21.4	11.3	18.2	BLQ (LOQ-0.5)
		19.08.2025	56.7	26.1	13.7	24.9	BLQ (LOQ-0.5)
		22.08.2025	62.8	31.6	14.9	28.1	BLQ (LOQ-0.5)
		26.08.2025	58.3	28.4	12.6	19.3	BLQ (LOQ-0.5)
		29.08.2025	61.7	24.7	9.3	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 ng/m^3	Chromium as Cr $\mu\text{g}/\text{m}^3$
I.	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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Anacon Laboratories

Test Report

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Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-7	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusri), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01092025/ENV-2/84-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
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) mg/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	04.08.2025	54.8	19.3	8.4	16.7	BLQ (LOQ-0.5)
		07.08.2025	56.2	21.6	9.1	18.1	BLQ (LOQ-0.5)
		11.08.2025	61.7	28.4	12.6	23.9	BLQ (LOQ-0.5)
		14.08.2025	64.8	24.9	11.6	18.3	BLQ (LOQ-0.5)
		19.08.2025	56.2	23.7	12.8	19.6	BLQ (LOQ-0.5)
		22.08.2025	57.3	19.2	12.6	21.7	BLQ (LOQ-0.5)
		26.08.2025	52.7	21.9	11.3	23.6	BLQ (LOQ-0.5)
		29.08.2025	51.4	17.3	9.1	18.4	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 ng/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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Test Report

Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/1-8	Report Date:-	05.09.2025
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/01092025/ENV-2/84-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.09.2025
Test Started On:-	02.09.2025	Test Completed On:-	04.09.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
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	04.08.2025	53.9	21.6	12.4	18.3	BLQ (LOQ-0.5)
		07.08.2025	46.3	16.9	8.2	16.7	BLQ (LOQ-0.5)
		11.08.2025	51.7	19.3	11.6	21.8	BLQ (LOQ-0.5)
		14.08.2025	47.2	17.1	12.8	18.4	BLQ (LOQ-0.5)
		19.08.2025	56.1	23.9	14.1	23.6	BLQ (LOQ-0.5)
		22.08.2025	52.9	21.8	12.6	18.3	BLQ (LOQ-0.5)
		26.08.2025	47.3	19.2	9.3	17.4	BLQ (LOQ-0.5)
		29.08.2025	51.8	21.6	11.7	19.2	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 /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
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	04.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29.08.2025	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.

Verified by

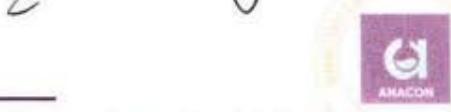
Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Anacon Laboratories

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Test Report

Ambient Air Quality-September-2025

Page 1 of 1

Report No.:-	ALPL/08102025/1-1	Report Date:-	08.10.2025
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/01102025/ENV-2/88-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
I.	Discipline: Chemical	IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
Test Method							
AAQ-1	Sairaidh Campus	02.09.2025	61.8	27.4	12.9	21.8	BLQ (LOQ-0.5)
		05.09.2025	58.3	24.9	11.6	18.3	BLQ (LOQ-0.5)
		09.09.2025	62.7	19.2	9.1	17.6	BLQ (LOQ-0.5)
		11.09.2025	56.1	18.4	8.7	17.2	BLQ (LOQ-0.5)
		15.09.2025	61.9	23.8	11.4	18.1	BLQ (LOQ-0.5)
		19.09.2025	58.3	21.7	12.9	16.7	BLQ (LOQ-0.5)
		23.09.2025	54.7	21.6	9.3	16.8	BLQ (LOQ-0.5)
		26.09.2025	61.1	26.2	13.5	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
	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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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-September-2025

Report No.:-	ALPL/08102025/1-2	Report Date:-	08.10.2025
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/01102025/ENV-2/88-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
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) mg/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	02.09.2025	53.9	23.8	11.7	21.4	BLQ (LOQ-0.5)
		05.09.2025	49.3	18.3	9.3	18.6	BLQ (LOQ-0.5)
		09.09.2025	52.8	21.4	12.9	23.8	BLQ (LOQ-0.5)
		11.09.2025	51.6	19.3	11.4	21.1	BLQ (LOQ-0.5)
		15.09.2025	48.3	17.6	9.3	18.3	BLQ (LOQ-0.5)
		19.09.2025	56.7	24.9	12.8	23.6	BLQ (LOQ-0.5)
		23.09.2025	54.1	21.3	11.4	19.2	BLQ (LOQ-0.5)
		26.09.2025	53.9	24.8	10.2	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 ng/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	ANtr/7.2/RES-INORG/04
AAQ-2	New Kudag/ Nr. Weigh Bridge	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

----End of Report----





Anacon Laboratories

Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/1-3	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balarmpur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01102025/ENV-2/88-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m³	Particulate Matter (PM2.5) µg/m³	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m³
		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	02.09.2025	58.3	21.6	9.3	18.3	BLQ (LOQ-0.5)
		05.09.2025	52.7	19.3	8.4	16.1	BLQ (LOQ-0.5)
		09.09.2025	47.6	18.7	9.1	18.6	BLQ (LOQ-0.5)
		11.09.2025	52.8	16.9	11.3	23.8	BLQ (LOQ-0.5)
		15.09.2025	46.1	17.2	9.8	18.3	BLQ (LOQ-0.5)
		19.09.2025	51.9	21.6	11.7	21.4	BLQ (LOQ-0.5)
		23.09.2025	48.3	16.9	9.1	17.3	BLQ (LOQ-0.5)
		26.09.2025	48.6	15.2	8.9	16.7	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 µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m³	Chromium as Cr µg /m³
		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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





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Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/1-4	Report Date:-	08.10.2025
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/01102025/ENV-2/88-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
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	02.09.2025	56.3	19.2	9.1	17.3
		05.09.2025	54.6	18.6	8.4	16.7
		09.09.2025	62.8	23.4	12.6	21.9
		11.09.2025	58.3	21.3	11.4	18.3
		15.09.2025	61.7	19.6	9.3	19.1
		19.09.2025	57.3	23.8	11.6	24.9
		23.09.2025	58.2	21.4	11.3	23.7
		26.09.2025	55.7	20.4	12.9	21.4
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 ng/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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
 Technical Manager

Dhanashree Hiwani
 Sr. Technical Assistant

Authorized Signatory

Chinmay Garwey
 Deputy Quality Manager

----End of Report----





Anacon Laboratories

Test Report

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Ambient Air Quality-September-2025

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Report No.:-	ALPL/08102025/1-5	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balsampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01102025/ENV-2/88-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
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) mg/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	02.09.2025	58.3	24.9	11.6	18.3	BLQ (LOQ-0.5)
		05.09.2025	61.9	23.8	11.4	18.1	BLQ (LOQ-0.5)
		09.09.2025	54.7	21.6	9.3	16.8	BLQ (LOQ-0.5)
		11.09.2025	49.3	18.3	9.3	18.6	BLQ (LOQ-0.5)
		15.09.2025	51.6	19.3	11.4	21.1	BLQ (LOQ-0.5)
		19.09.2025	54.1	21.3	11.4	19.2	BLQ (LOQ-0.5)
		23.09.2025	58.3	21.6	9.3	18.3	BLQ (LOQ-0.5)
		26.09.2025	52.8	16.9	11.3	23.8	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 ng/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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Anacon Laboratories

Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/1-6	Report Date:-	08.10.2025
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/01102025/ENV-2/88-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
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) mg/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	02.09.2025	61.7	23.8	14.6	23.8	BLQ (LOQ-0.5)
		05.09.2025	62.8	23.4	12.6	21.9	BLQ (LOQ-0.5)
		09.09.2025	61.7	19.6	9.3	19.1	BLQ (LOQ-0.5)
		11.09.2025	58.2	21.4	11.3	23.7	BLQ (LOQ-0.5)
		15.09.2025	46.7	18.3	8.7	16.3	BLQ (LOQ-0.5)
		19.09.2025	51.7	21.6	11.4	19.1	BLQ (LOQ-0.5)
		23.09.2025	47.3	18.3	8.2	17.2	BLQ (LOQ-0.5)
		26.09.2025	51.7	19.3	12.8	21.7	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 ng/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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
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.





Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/1-7	Report Date:-	08.10.2025
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/01102025/ENV-2/88-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025 *
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) mg/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	02.09.2025	58.3	21.6	9.3	18.3	BLQ (LOQ-0.5)
		05.09.2025	52.7	19.3	8.4	16.1	BLQ (LOQ-0.5)
		09.09.2025	47.6	18.7	9.1	18.6	BLQ (LOQ-0.5)
		11.09.2025	52.8	16.9	11.3	23.8	BLQ (LOQ-0.5)
		15.09.2025	46.1	17.2	9.8	18.3	BLQ (LOQ-0.5)
		19.09.2025	51.9	21.6	11.7	21.4	BLQ (LOQ-0.5)
		23.09.2025	48.3	16.9	9.1	17.3	BLQ (LOQ-0.5)
		26.09.2025	62.7	19.2	9.1	17.6	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 ng/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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwan
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.





Anacon Laboratories

Test Report

Anacon Laboratories Pvt. Ltd. Nagpur Lab
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Page 1 of 1

Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/1-8	Report Date:-	08.10.2025*
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/01102025/ENV-2/88-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	03.10.2025	Test Completed On:-	06.10.2025
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) mg/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	02.09.2025	57.4	26.3	14.3	24.1	BLQ (LOQ-0.5)
		05.09.2025	59.2	22.3	15.2	21.3	BLQ (LOQ-0.5)
		09.09.2025	60.4	21.6	15.2	23.4	BLQ (LOQ-0.5)
		11.09.2025	63.5	23.8	12.9	22.5	BLQ (LOQ-0.5)
		15.09.2025	66.3	26.4	15.2	25.3	BLQ (LOQ-0.5)
		19.09.2025	59.5	22.6	16.2	25.1	BLQ (LOQ-0.5)
		23.09.2025	60.8	24.1	14.3	24.1	BLQ (LOQ-0.5)
		26.09.2025	63.3	23.1	15.1	25.8	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 ng/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	02.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.09.2025	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.

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Date: 15.11.2025

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. Sanjay Pardhi	Head & Agent of 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. Ajay Kumar	Medical Officer	Member
8	Miss. Charisma Vijay	Asst. Manager-Sustainability	Member


 Agent of Mines

देवा। इसका एवं रिक्षितन कुछ नहीं
की जाये जले इस आदीलन में भाव
ले अपना निर्वाचन नहीं करता, राजदूतोंनी
देवा आदीलनों वालों, रिक्षितों
सहित सभी हजारों के द्वारा ने
भाव दिया था एवं तक जले देवा
आदीलन में अन्य सभी लोग
उत्तम रूप से थे।

पुजी किरण के नेहर २० मई
१९४७ को अख्तर खाना अपार्टमेंट
ग्राम अमोनी निवासी शमनान के पुत्र
राजेश्वर पाठ्य के द्वारा के साथ
जाया था। निवास के एक साल बाद
ही किरण जो देहन के लिए प्रतिक्रिया
किये जाने लगा।

प्रत्येक गांव
धर्मसंस्कार प्रदेश के प्राचीन धर्मालय
एवं यूनि चुरुमरी का ग्रन्थालय
जोनी के द्वारा अप्रिय अप्रिय या
खालांकरण द्वारा काटकर लाइ दे जाने
दिवस मन ता। प्रत्येक गांव के
तामुदारिक रक्षक लोक दे जाए
ने प्रह्लाद राजा को देनी

कुरुक्षेत्रम् पृष्ठ
अभिनीत ज्ञानहि के
पादपूर्विमिति के उपर्युक्त पर
अस्मद्वात् प्रोत्तरम् ते काल एव
विश्वामिति विश्वामिति के द्वय इत्यमिति
अद्वात् ननीतो अव्याप्त एव
दावत् यामागुप्तैः सुरुद्वये
प्रेतद्वयीः विश्वामिति विश्वामिति
विश्वामिति विश्वामिति एव अव्य
प्राप्तिम् अत्युक्त व्याप्तिम् श्व।

गीता को कटधोरा का प्रभार

का अधिकारी नीरिन चतुर्थ को
कृ पदोन्नति निलग वासी श्री। नीरिन
कृ वे अपी स्वरामादरण के लिए चाहते

सलाई निगम के आयुक्त
जैसे लगा रहे जोर

৩৩৮ পৰিবৰ্ত্তন কৰা হৈছে

अफसरों की सांस्कृतिक विद्यालय के पद सर पदवी हिंदा गया है। आईयूएस अब लंबी दूरी का दौरा भी बढ़ा रखता है जिसकी सांस्कृतिक अवधि न गोय अधिकारी बनाया जाये है।

स जिला अध्यक्ष ने दौरा स्थाओं की जानकारी ली

से अपनी प्रबन्धनार्थी रो अद्वारा
को ने पृथक् भी बहु रुक्षी कि-
क, कृत अपेक्षा दिलाक इन
[प्रत्येक देश-विभाग-विभाग जाना-
प्रबन्धनार्थी देश-विभाग से देश-विभाग
३० से २००० रुपये लक्ष का
गण। उसका विवर की भाषणा
है कि दिलाक विभाग अपेक्षा
के अनुसार दोनों ही देश-विभाग
की राशि करने की घोषणा की
होना चाहिए। दिलाक तरह से भी,
प्रत्येक देश-विभाग में अधिकारी
जानी ही उपर करका इस अपेक्षा
के अनुसार देश-विभाग की

द्वितीय ने अपना फैप के विवाह अपने
में असाधीय रूप में देख रखा
है, जो रिह, ए, के जैसे के
दर्शन अपना द्वितीय अपने
पुरुषों का में देख अपने रोपी, जी
तर, जी, भगवत्, उत्तमाद्वापा राम,
उत्तम राम उत्तम राम, के राम
उत्तम, जी, जी, रिह, ए, के जैसे के
दर्शन अपना द्वितीय अपने

खाद नहीं मिलने को लेकर
कृषकों ने निकाली रैली

प्रत्यलग्नाद्।
सेवे के लियाने वो जब तक निरु
पता है, तिसको लेकर कल
प्रत्यलग्नाद्। वे के लियाने वो
प्रत्यलग्नाद्। यिद्याने वो जागीण लियाने
वो तो तेज़
एक रुपी आश्वासन भिला एक-दो
प्रियकालव
क, दि
विदान उत्तिष्ठाए श्री पापा दो वार
विलक्षण रुपाल ने जानकारी मारी
ह जगमगर नाहाय जी जी नाह। पन्ना
ने आश्वासन दिया कि वे प्रत्येक-पो
दिक ने सामान प्रत्यलग्नाद् ते प्रत्यलग्नाद्
करायी जा रही। इस आश्वासन के
प्रवाहात लौटी ते उपर्युक्त काकी
विलक्षण दाम स जाता यो तियार हुए।
ताक्ष से लियाने ने खाद क
किलत वे लिय वापरियो रे
विकलियो द्वारा रातापांड तक
उड़े जाने वो लियी पर अविकली
जाइ गुरु तमसा देख रहे हो दूरहि
अ० ३
दियान
रिय पर
दुष्य भर
प्रत्येक दामो ने चूरीने को मन्त्रित
है। इसी में खदन रुप चुम्पूर,
परशुराम तुम्जुर, परशुराम चन्दा,
दुर्वाला कर सरपांड, देवदाम पट्टूर,
जाराप द्वारा, लीयों वादपांड, दिक्षेवर
जाराप द बन्धन लियाने जीजुर है
प्रत्येक वीं अनुपाय लियाने द्वारा हात
की गई।

અમારી વાર્તા | અક્ટોબર ૨૦૧૯



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 April 2025 to September 2025 is mentioned below:

Sl. No	Environment Protection Measure	Actual Cost (Lakhs) April'25 to Sept'25
1.	Environment Monitoring	5.66
2.	Greenbelt development	15.63
3.	Reclamation/ rehabilitation of mined out area (Samri 4.696 Ha., Kudag-1.2 Ha., Tatijharia-7.751 Ha.) Total- 13.647 Ha.	40.941
	Total	62.231

- 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 out sourced along with production. Average cost of reclamation considered @ 3.00 lakh per ha.