



Ref. HIL/TBM/MoEF&CC/73/2025

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 Tatijharia Bauxite Mine (Lease area- 1218.762 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-11015/337/2007-LA. II (M) dated Aug. 9, 2007

Dear Sir,

We do herewith submit half yearly status of EC compliance report in respect of Tatijharia Bauxite Mine, Lease area – 1218.762 Ha. of M/s Hindalco Industries Limited P.O- Kusmi, Dist.- Balrampur-Ramanujanj, Chhattisgarh state, PIN-497224 for the period from April 2025 – September 2025. The lease details is as below: -

Lease area	Production Capacity	Lease Period
1218.762 Ha.	400000 Tonnes	25.06.1998 to 24.06.2048 (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@gmail.com; anccfcentral-nep-mef@gov.in; ecompliance-cg@gov.in; cpcb.bhopal@gov.in; hocecb@gmail.com;

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E-mail : hindalco@adityabirla.com
Corporate Identity No. - L27020MH1958PLC011238

Name of the Project : Tatijharia Bauxite Mines (1218.762Ha. Capacity-4.00 LTPA),
M/s Hindalco Industries Ltd

Environment Clearance No & date : J-11015/337/2007 – IA.(IIM) dated 09.08.2007

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 for implementation.

Reply to Condition 3: The Conservation plan for Schedule-I fauna has 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. The ground water table is below the depth of our mining operation. Piezometer has been installed at strategic location in the Lease area for monitoring the ground water level and the average depth of which is 25-30m. Hence there is no intersection of groundwater level during course of mining operation.

Condition-5: Topsoil, if any shall be stacked properly with proper slope with adequate safeguards and shall be used for reclamation and rehabilitation of mined out area.

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



Land preparation for reclamation

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

Reply to Condition 6: As such there is not 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 purpose. Old inactive OB dump has been stabilized by vegetation with suitable native species to prevent erosion and surface run off.



Old Inactive OB Dump with 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 drains approx. 80m long along with retaining walls of appropriate size (1m height x 0.5m width x 210m 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 are being used for green belt development and in sprinkling of the haul road. Sump of adequate capacity is also developed.

At present there is no active OB dump. Entire waste generated during mining operation is being simultaneously backfilled in the mined-out pit. An old inactive OB dump has been stabilized by vegetation. Garland drain is provided to arrest silt and sediments flows from above mentioned OB dump.



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

Reply to Condition 8: We undertake that no natural water course is obstructed during mining operation. There is only seasonal nala and the mining operation is diverted from the channel.

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. Blasting scientific based on peak particle velocity, charge per delay and blast geometry shall be evolved for maximum production. The same shall be submitted to the Ministry within six months.

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

Condition-10: Plantation shall be raised in an area of 40.84 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: Total 100.761 ha. have been afforested with 253567 nos. of species till date. The plantation in reclaimed area has been carried out as per plan. The density is being maintained about 2500 plant per hectare with the species like Amla, mango, babul, pears, guava and Jamun. Moreover, plantation has been carried out over 4.447 ha. with 19680 saplings during this year. Social forestry is also being encouraged among the local villagers. Apart from that local food grain rice & Tau has been planted over the reclaimed area of 1.500 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: Rainwater harvesting structure (2 nos. of Ponds and Wells) of area at 0.79 Ha. (Betpani), 0.69 Ha. (Piprapat-1) and 5ft. x 10 ft.) has been constructed as conservation measures in mined out area for the conservation/augmentation of ground water resources. Such measures also help in increasing the water credit of the Lease area.



RWH Pond & Recharge well

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 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.



Water Sprinkling in the Haul Road

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: The depth of our mining operation varies from 15-20m. Piezometer has been installed at strategic location within the lease area to monitor the Ground Water level and the average depth of which is 25 to 30m. 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. Regular monitoring of ground water quality is being carried out. The analysis reports are being submitted to CECB, Raipur. Regular monitoring of ground water level is being carried out and is found below level of mining operation. The ground water Quality & GW level report 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: Permanent type Rainwater harvesting ponds/Recharge well has been made and the water is being used for plantation and dust suppression activity.

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 the CGWA vide letter no. NOC/MIN/CG/2025/1632/R-3/3, dated 12.03.2025 with validity up to 27.03.2027. This water is used for domestic purpose. We are not drawing ground water for industrial use, if required: the prior permission will be taken from competent authority. The GW NOC Copy is 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. We are taking important measures 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 program 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.
- g) Fish farming with seeds of 5500 nos. has been done in water recharge pond.

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 emissions in mines area. The bauxite ore are transported in trucks with tarpaulin cover up to 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: Occupational health and safety measures for the workers including training on modern eradication, HIV and health effects on exposure to mineral dust etc. shall be carried out. The company shall engage a full-time qualified doctor who is trained in occupational health surveillance and health record of the workers shall be maintained.

Reply to Condition 18: Company has provided with personal protective equipment to all workers and training are also being imparted to them for safety & health, sanitation, health awareness camps including HIV are being organized for all workmen. One doctor having MBBS qualification has been appointed for facilitation of OHS. We have undergone through initial & periodical test of all workers employed in the mines by the certified team. The records related to initial and periodical medical examination of all workmen is being maintained.

Condition-19: 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 19: 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 39 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 particular 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 working 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) 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 measure being implemented for conservation of flora and fauna are as follows.

- a) Company have been provided 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.

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, NO_x, monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

Reply to Condition 4: Ambient Air quality monitoring is being carried out as per guideline and is being followed. For this, we have already appointed NABL accredited laboratory M/s. Anacon Laboratories Pvt. Ltd. for conducting regular environmental monitoring. The Summary of Ambient air quality report (from April' 25 to September' 25) is enclosed as **Annexure-F**.

Condition-5: Data on ambient air quality (RPM, SPM, SO₂, and NO_x) 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 NO_x) are being submitted to CECB and to other regulatory authorities as per guidelines. Data of ambient air quality (RPM, SPM, SO₂ and NO_x) from April' 25 to September' 25 is enclosed as **Annexure-F**.

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 problems.



Black top Road towards the mines and Water Sprinkling in the Haul Road

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. For the waste water generated from workshop, oil and grease separation pits are provided and the treated water is being used for dust suppression in haul road.

Condition-9: Personnel 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 is being continued as per guidelines.

All employees undergo Lung Function Tests during the 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-G*.

Condition-12: The project authorities shall inform to 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 document have been submitted to the regional office of the Ministry, Bhopal before commencement of development & operation in 1999. However, as the current regional office has changed to Raipur region, we are again resubmitting the information to the IRO Raipur vide letter no. HIL/SBM/MoEF&CC/1204/2024, 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 purpose. 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 purpose. The year wise expenditure is being submitted to concern authorities as per guidelines. The copy of environment expenditure is enclosed as *Annexure-H*.

Condition-14: The project authorities shall inform to 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 document have been submitted to the regional office of the Ministry, Bhopal before commencement of development & operation in 1999. However, as the current regional office has changed to Raipur region, we are again resubmitting the information to the IRO Raipur vide letter no. HIL/SBM/MoEF&CC/1204/2024, 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 Panchayat of Tatijharia on 13-08-2007 in our area. 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 newspaper Hari Bhumi & Ambika Vani. The copy of same has been already submitted to your good office. News paper clip is attached 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.

Condition-21: The above conditions shall be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Reply to Condition 21: Noted.

कार्यालय प्रधान मुख्य वन्य प्राणी संरक्षक (वन्यप्राणी प्रबंधन एवं जीव विविधता
संरक्षण सह मुख्य वन्यप्राणी अभिरक्षक), छत्तीसगढ़

अरण्य भवन, मेडिकल कॉलेज रोड, रायपुर

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फोन 0771-2552228, Fax 0771-2552227

क्रमांक/व.प्र./प्रस-12/13/2764

रायपुर दिनांक 07/10/2013

प्रति,

संचालक,
इन्वायरनमेंट क्लीयरेंस सेल
भारत सरकार, वन एवं पर्यावरण मंत्रालय,
पर्यावरण भवन, सी.जी.ओ. कॉम्प्लेक्स,
लोधी रोड, नई दिल्ली-110003

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

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

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कृपया आपके उपरोक्त संदर्भित पत्रों का अवलोकन करने का कष्ट करें। जिसके द्वारा बलरामपुर जिले (पुराने सरगुजा जिले) के सामरी बॉक्साइट खुली खदान (1 LTPA) की क्षमता बढ़ाकर (5 LTPA) करने, कुदाग बॉक्साइट खदान (0.4 LTPA) की क्षमता बढ़ाकर (0.6 LTPA) करने तथा टाटीझरिया बॉक्साइट खदान (0.5 TPA) की क्षमता बढ़ाकर (4 TPA) करने के परियोजना प्रस्ताव के संबंध में वन्य प्राणी (संरक्षण) अधिनियम, 1972 के तहत अनुसूची-1 के वन्यप्राणियों हेतु "वन्य प्राणी संरक्षण व प्रबंधन योजना" तैयार की जाकर इस कार्यालय की सहमति दिये जाने का लेख किया है।

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

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2. प्रस्तुत प्रस्ताव में उपरोक्त संरक्षित क्षेत्रों में वन्य प्राणी के लिये 100 TPA से बढ़ाकर 500 TPA किया जाना, कुदांग के लिये 100 TPA से बढ़ाकर 500 TPA किया जाना एवं जलप्रपात के लिये 50,000 TPA से बढ़ाकर 4,00,000 TPA किया जाना प्रस्तावित है। भारत सरकार पर्यावरण व वन मंत्रालय के द्वारा उपरोक्त गतिविधियों में वन्य प्राणी की स्वीकृति प्रमाण आदेश क्रमांक J-11015/353/2007-IA.H/M दिनांक 27 अक्टूबर 2007 और J-11015/354/2007-IA.H/M दिनांक 27 जुलाई 2007 एवं J-11015/337/2007-IA.H/M दिनांक 9 जनवरी 2007 द्वारा कुछ शर्तों के साथ दी गई है, जिसमें एक महत्वपूर्ण शर्त यह भी उल्लेखित है कि संबंधित क्षेत्र में वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के पाये जाने वाले वन्य प्राणियों के संरक्षण हेतु प्रबंध योजना तैयार की जाकर राज्य के मुख्य वन्य जीव अभिरक्षक के अभिमत सहित प्रस्तुत किया जाये। जिसके पालन में संस्था द्वारा एक वन्य प्राणी संरक्षण योजना तैयार की गयी है।
3. खनन क्षमता बढ़ाने से संबंधित प्रस्तावित तीनों ही परियोजनाओं के एक दूसरे से 4 कि.मी. की परिधि में स्थित होने एवं सभी के बफर क्षेत्र ओवरलैपिंग होने के कारण सभी के लिये संयुक्त रूप से वन्य प्राणी संरक्षण व प्रबंधन योजना तैयार की जाकर महाप्रबंधक, (खादान), हिन्डालको इन्डस्ट्रीज के पत्र क्रमांक HIL/SAM/300/2013 दिनांक 2.03.2013 द्वारा प्रस्तुत किया गया है जिसका समग्र रूप से परीक्षण किया गया। प्रस्तावित परियोजनाओं के कोर क्षेत्र से 10 कि.मी. की परिधि में आने वाले ओवरलैपिंग बफर क्षेत्र में वन्य प्राणियों एवं उपलब्ध वनस्पतियों का सर्वे किया जाकर पाये गये स्पेसिज को परियोजना प्रस्ताव में अनेक्स्-4 के में उल्लेखित किया गया है।
4. उल्लेखित सूची में वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के वन्य प्राणी नहीं पाये गये हैं। परंतु इस कार्यालय द्वारा वन संरक्षक (वन्य प्राणी), सरगुजा से विगत दस वर्षों में वन्य प्राणियों द्वारा की गई क्षति की जानकारी घाही गयी। वन संरक्षक ने अपने पत्र क्रमांक 749 दिनांक 24.05.2012 से यह जानकारी उपलब्ध कराया है कि उक्त क्षेत्र में हाथियों का वर्ष 2005-में दो बार, वर्ष 2006 में आठ बार, 2007 में एक बार, 2008 में दो बार, 2009 में सात बार आना जाना हुआ है। इसी प्रकार भालुओं के द्वारा वर्ष 2007-08 में आठ, वर्ष 2008-09 में पाँच, वर्ष 2009-10 में छः एवं 2010-11 में 4 जनहानि व जनघायल के प्रकरण तथा वर्ष 2007-08 तथा 2008-09 में तेंदुआ द्वारा पशु हानि के दो प्रकरण तथा लकड़बग्घे के कारण एक प्रकरण दर्ज किये गये हैं। इस प्रकार वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के उपरोक्त उल्लेखित वन्य प्राणियों के परियोजना क्षेत्र में आने जाने के प्रमाण पाये गये हैं। प्रस्तावित क्षेत्र से 6 से 7 कि.मी.की दूरी पर झारखंड राज्य में भेड़िया अभ्यारण्य भी स्थापित है। अतः संस्था द्वारा दस वर्षों के लिये वन्य प्राणी संरक्षण व प्रबंध योजना श्री पी. के. सेन पूर्व वन्य प्राणी अभिरक्षक, झारखंड से तैयार कराया जाकर प्रस्तुत किया गया है। जिसका समग्र व विस्तृत अध्ययन किया गया। प्रबंधन योजना में प्रस्तावित प्रबंधन संबंधित मुख्य गतिविधियों का विवरण निम्नानुसार है।
5. योजना में वन्य प्राणियों के लिये जलग्रहण क्षेत्र विकास, रहवास-विकास, पेयजल व्यवस्था, विभाग के क्षेत्रीय अमले के सहयोग से क्षेत्र में पेट्रोलिंग व मॉनिटरिंग, अग्नि सुरक्षा, ईको विकास की गतिविधियों, स्थानीय ग्रामीणों के लिये आजीविका सृजन, टीकाकरण, जनजागृति कार्यक्रम जैसी गतिविधियों का

समयवश करके कुछ 04 वर्षों के लिए प्रस्तावित कार्य में 10 लाख तक्यामित की गयी है। जिसका क्रियान्वयन वन विभाग के द्वारा किया जायेगा। प्रस्तावित कार्य की विवरण निम्नानुसार है -

Sl. No.	Works to be done	Cost for Five 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, piggy, 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 की जायेगी रु. 160.00 लाख (सहस्रंश)। यह स्मरण
रखा जाये कि वन-डेपू का हिसाब से वृद्धि होगी। परियोजना के विकास-कार्य के समय जो भी लागत आयेगी
वह भी वन-डेपू का हिसाब से वन विभाग में एकमुश्त जमा करानी होगी। जिससे मुख्य वृद्धि के प्रभाव को समाप्त
किया जा सके। वन विभाग एकमुश्त जमा की गई राशि से वन्यप्राणी संरक्षण योजना विधायित्व करेगा।

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

संलग्न:- उपरोक्तानुसार।

Prakash
(रामप्रकाश) 01/11/13

प्रधान मुख्य वन संरक्षक (वन्यप्राणी)

छत्तीसगढ़, रायपुर

पृष्ठा क्रमांक/व.प्रा./प्रबंध-12/13/2168.

रायपुर दिनांक 01/10/2013

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. नारयण, जी. एम. माइन्स हिन्डालको इन्डस्ट्रीज लिमिटेड, सामरी बॉक्सआईट माइन्स,
पोस्ट-कुसमी, जिला-सरगुजा, छत्तीसगढ़ की ओर मय योजना की प्रति सहित सूचनार्थ प्रेषित।

Prakash
प्रधान मुख्य वन संरक्षक (वन्यप्राणी) 01/11/13
छत्तीसगढ़, रायपुर

SAMRI BAUXITE MINE

Annexure - B

Annexure-6
Details of Flora and Fauna

समावेश करने हुए 04 वर्षों के लिए कार्य का अनुमानित किया गया है। जिसका क्रियान्वयन वन विभाग के द्वारा किया जायेगा। प्रस्तावित कार्य की विवरण निम्नानुसार है -

Sl. No.	Works to be done	Cost for Five 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	
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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>	Butul	Mimosaceae
<i>Leucena leucophloe</i>	Sabul	Mimosaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Citrus lemon</i>	Nimbu	Rutaceae
<i>Emilia officinalis</i>	Amra	Euphorbiaceae
<i>Ficus hispida</i>	Jungli anjar	Moraceae
<i>Spondias cythera</i>	Katjamun	Myrtaceae
<i>Terminalia catapa</i>	Badam	Combretaceae
<i>Apluda mutica</i>	Grass	Poaceae
<i>Chloris dolichostachya</i>	Grass	Poaceae
<i>Dichanthium annulatum</i>	Grass	Poaceae
<i>Imperata cylindrica</i>	Grass	Poaceae
<i>Themoptera quadrivalvis</i>	Grass	Poaceae
<i>Arundinaria subsericea</i>	Grass	Poaceae
<i>Tripsacum daniellii</i>	Grass	Poaceae
<i>Tripsacum daniellii</i>	Grass	Poaceae
<i>Setaria glauca</i>	Grass	Cyperaceae
<i>Thysanotus maximus</i>	Grass	Graminae
<i>Purpurella hysterophorus</i>	Congress grass	Compositae
<i>Cassia tora</i>	-	Caesalpinaceae
<i>Leucaena leucophloea</i>	Kachnar	Caesalpinaceae
<i>Dalbergia sissoo</i>	Sissoo	Caesalpinaceae

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

Sr. No.	Technical Name	Family	Life Form
I. Agricultural Crops			
1	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
2	<i>Sorghum vulgare</i>	Poaceae	Hemicryptophyte
3	<i>Lolium vulgare</i>	Poaceae	Hemicryptophyte
4	<i>Zea mays</i>	Poaceae	Hemicryptophyte
5	<i>Oryza sativa</i>	Poaceae	Hemicryptophyte
6	<i>Pennisetum hypochaeridis</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>Annona squamosa</i>	Annonaceae	Phanerophyte
11	<i>Arachis hypogaea</i>	Fabaceae	Geophyte
12	<i>Catharanthus roseus</i>	Compositae	Therophyte
13	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
14	<i>Citrus lemon</i>	Rutaceae	Therophyte
15	<i>Colocasia esculenta</i>	Araceae	Geophyte
16	<i>Cucurbiturum sativum</i>	Umbelliferae	Hemicryptophyte
17	<i>Daucus carota</i>	Umbelliferae	Geophyte
18	<i>Lycopersicon esculentum</i>	Solanaceae	Therophyte
19	<i>Passiflora indica</i>	Anacardiaceae	Phanerophyte
20	<i>Melastoma coccineum</i>	Cucurbitaceae	Therophyte
21	<i>Psidium sativum</i>	Fabaceae	Therophyte
22	<i>Pisidium guajava</i>	Myrtaceae	Phanerophyte
23	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
24	<i>Litchi chinensis</i>	Sapindaceae	Phanerophyte
III. Plantations			
25	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
26	<i>Acacia nilotica</i>	Mimosaceae	Phanerophyte
27	<i>Albizia lebeck</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>Asadirachta indica</i>	Meliceae	Phanerophyte
31	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
32	<i>Bauhinia purpurea</i>	Caesalpinaceae	Phanerophyte
33	<i>Bambusa arundinacea</i>	Poaceae	Phanerophyte
34	<i>Butea monosperma</i>	Caesalpinaceae	Phanerophyte
35	<i>Butea frondosa</i>	Caesalpinaceae	Phanerophyte
36	<i>Eucalyptus sp.</i>	Caesalpinaceae	Phanerophyte
37	<i>Delonix regia</i>	Myrtaceae	Phanerophyte
38	<i>Leucaena leucophloea</i>	Caesalpinaceae	Phanerophyte
IV. Natural Vegetation / Forest Type			
39	<i>Abrus precatorius</i>	Fabaceae	Phanerophyte
40	<i>Abutilon indicum</i>	Malvaceae	Therophyte
41	<i>Acacia Arabica</i>	Mimosaceae	Phanerophyte
42	<i>Acacia auriculiformis</i>	Mimosaceae	Phanerophyte
43	<i>Acacia catechu</i>	Mimosaceae	Phanerophyte
44	<i>Acacia intima</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>Adina cordifolia</i>	Acanthaceae	Therophyte
52	<i>Aegle marmelos</i>	Rubiaceae	Therophyte
53	<i>Aerva lanata</i>	Rutaceae	Therophyte
54	<i>Ageratum conyzoides</i>	Compositae	Phanerophyte
55	<i>Alantides exaltata</i>	Compositae	Phanerophyte
56	<i>Alangium solvius</i>	Simarubaceae	Therophyte
57	<i>Albizia odoratissima</i>	Alangiaceae	Phanerophyte
58	<i>Albizia procera</i>	Caesalpinaceae	Phanerophyte
59	<i>Alstonia scholaris</i>	Caesalpinaceae	Phanerophyte
60	<i>Alteranthera sessilis</i>	Apocyanaceae	Phanerophyte
61	<i>Alysicarpus hamosus</i>	Amaranthaceae	Phanerophyte
62	<i>Angelica latifolia</i>	Fabaceae	Therophyte
63	<i>Angelica sericea</i>	Combretaceae	Therophyte
64	<i>Argemone mexicana</i>	Combretaceae	Phanerophyte
65	<i>Azadirachta indica</i>	Papeveraceae	Phanerophyte
66	<i>Barleria prionites</i>	Meliceae	Phanerophyte
67	<i>Bidens biternata</i>	Acanthaceae	Phanerophyte
68	<i>Blepharis asperina</i>	Compositae	Therophyte
69	<i>Blepharis maderaspatensis</i>	Acanthaceae	Therophyte
70	<i>Blumea lacera</i>	Acanthaceae	Phanerophyte
71	<i>Boerhaavia chinensis</i>	Compositae	Therophyte
72	<i>Boerhaavia diffusa</i>	Nyctaginaceae	Therophyte
73	<i>Bombax ceiba</i>	Nyctaginaceae	Therophyte
74	<i>Borreria hispida</i>	Bombacaceae	Therophyte
75	<i>Borreria stricta</i>	Rubiaceae	Phanerophyte
76	<i>Boswellia serrata</i>	Rubiaceae	Therophyte
77	<i>Brassica campestris</i>	Burseraceae	Therophyte
78	<i>Bridelia retusa</i>	Cruciferae	Phanerophyte
79	<i>Bridelia superba</i>	Euphorbiaceae	Therophyte
80	<i>Caesalpinia pulcherrima</i>	Euphorbiaceae	Phanerophyte
81	<i>Calotropis procera</i>	Caesalpinaceae	Phanerophyte
82	<i>Canthium didymum</i>	Asclerpiaceae	Phanerophyte
83	<i>Capparis aphylla</i>	Rubiaceae	Phanerophyte
84	<i>Capparis decidua</i>	Capparidaceae	Phanerophyte
85	<i>Carissa carandas</i>	Capparidaceae	Therophyte
86	<i>Cassia spinarum</i>	Apocyanaceae	Phanerophyte
87	<i>Cassia graveolens</i>	Apocyanaceae	Phanerophyte
88	<i>Cassia absus</i>	Samydicaceae	Phanerophyte
89	<i>Cassia obovata</i>	Caesalpinaceae	Phanerophyte
90	<i>Cassia auriculata</i>	Caesalpinaceae	Phanerophyte
91	<i>Cassia occidentalis</i>	Caesalpinaceae	Therophyte
92	<i>Cassia tora</i>	Caesalpinaceae	Therophyte
93	<i>Cestrum diurnum</i>	Caesalpinaceae	Therophyte
94	<i>Cestrum nocturnum</i>	Rubiaceae	Phanerophyte
		Rubiaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
95	<i>Chloris variegata</i>	Poaceae	Therophyte
96	<i>Cissus quadrangularis</i>	Vitaceae	Therophyte
97	<i>Citrus limon</i>	Rutaceae	Phanerophyte
98	<i>Cleome gynandra</i>	Capparidaceae	Therophyte
99	<i>Combretum ovalifolium</i>	Rubiaceae	Phanerophyte
100	<i>Cordia myxa</i>	Rubiaceae	Phanerophyte
101	<i>Crotalaria medicaginea</i>	Fabaceae	Therophyte
102	<i>Croton bonplandianum</i>	Amaryllidaceae	Therophyte
103	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
104	<i>Datura fastuosa</i>	Solanaceae	Therophyte
105	<i>Datura metel</i>	Solanaceae	Therophyte
106	<i>Desmodium triflorum</i>	Asclepiadaceae	Therophyte
107	<i>Diospyros melanoxylon</i>	Lythraceae	Phanerophyte
108	<i>Diospyros Montana</i>	Lythraceae	Phanerophyte
109	<i>Echinops echinatus</i>	Compositae	Therophyte
110	<i>Eclipta prostrata</i>	Compositae	Hemicryptophyte
111	<i>Emilia officinale</i>	Euphorbiaceae	Phanerophyte
112	<i>Emilia laxum</i>	Compositae	Hemicryptophyte
113	<i>Erythrina indica</i>	Fabaceae	Phanerophyte
114	<i>Euphorbia geniculata</i>	Euphorbiaceae	Therophyte
115	<i>Euphorbia hirta</i>	Euphorbiaceae	Therophyte
116	<i>Euphorbia hypericifolia</i>	Euphorbiaceae	Therophyte
117	<i>Euphorbia neruri</i>	Euphorbiaceae	Therophyte
118	<i>Euphorbia nivula</i>	Euphorbiaceae	Therophyte
119	<i>Euphorbia pilulifera</i>	Euphorbiaceae	Hemicryptophyte
120	<i>Euphorbia tirucalli</i>	Euphorbiaceae	Hemicryptophyte
121	<i>Evolvulus albinoides</i>	Convolvulaceae	Therophyte
122	<i>Evolvulus numularis</i>	Convolvulaceae	Therophyte
123	<i>Fernia 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 hepatica</i>	Moraceae	Phanerophyte
128	<i>Ficus racemosa</i>	Moraceae	Phanerophyte
129	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
130	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
131	<i>Gardenia latifolia</i>	Rubiaceae	Phanerophyte
132	<i>Gardenia lucida</i>	Rubiaceae	Phanerophyte
133	<i>Garcinia 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>	Melvaceae	Therophyte
138	<i>Grewia abutilifolia</i>	Tiliaceae	Phanerophyte
139	<i>Grewia salvifolia</i>	Tiliaceae	Phanerophyte
140	<i>Grewia subinaqualis</i>	Tiliaceae	Phanerophyte
141	<i>Gynandropsis gynandra</i>	Capparidaceae	Hemicryptophyte
142	<i>Helictis isora</i>	Rubiaceae	Phanerophyte
143	<i>Heliotropium indicum</i>	Rubiaceae	Hemicryptophyte
144	<i>Heliotropium ovalifolium</i>	Rubiaceae	Hemicryptophyte
145	<i>Hemidesmus indicus</i>	Asclepiadaceae	Phanerophyte
146	<i>Hibiscus carnosus</i>	Malvaceae	Hemicryptophyte
147	<i>Holarrhena antidysenterica</i>	Asclepiadaceae	Phanerophyte
148	<i>Holostemma annularia</i>	Asclepiadaceae	Phanerophyte
149	<i>Hydrophylla auriculata</i>	Acanthaceae	Hemicryptophyte
150	<i>Hyptis suaveolens</i>	Labiatae	Therophyte
151	<i>Ipomoea carnea</i>	Poaceae	Hemicryptophyte
152	<i>Ipomoea balsaminaria</i>	Balsaminaceae	Therophyte
153	<i>Indigofera hirsuta</i>	Caesalpiniaceae	Therophyte
154	<i>Indigofera tinctoria</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 singapuriensis</i>	Rubiaceae	Phanerophyte
162	<i>Jasminum arborescens</i>	Oleaceae	Phanerophyte
163	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Therophyte
164	<i>Jussiaea sulfaticosa</i>	Onagraceae	Hydrophyte
165	<i>Justia diffusa</i>	Acanthaceae	Therophyte
166	<i>Justicia diffusa</i>	Acanthaceae	Therophyte
167	<i>Lactuca punctata</i>	Compositae	Therophyte
168	<i>Lannea coramandlica</i>	Anacardiaceae	Phanerophyte
169	<i>Lannea grandis</i>	Anacardiaceae	Phanerophyte
170	<i>Lannea procumbens</i>	Anacardiaceae	Therophyte
171	<i>Lantana camara</i>	Verbinaceae	Phanerophyte
172	<i>Lawsonia inermis</i>	Lythraceae	Phanerophyte
173	<i>Lepidogathis cristata</i>	Acanthaceae	Therophyte
174	<i>Leptodermis 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>Leucena leucophloe</i>	Caesalpiniaceae	Phanerophyte
179	<i>Lindenbergia indica</i>	Scrophulariaceae	Therophyte
180	<i>Lindenbergia ciliata</i>	Scrophulariaceae	Therophyte
181	<i>Lophophora trinatus</i>	Scrophulariaceae	Geophyte
182	<i>Luffa acutangula</i>	Cucurbitaceae	Therophyte
183	<i>Lycopersicon esculentus</i>	Solanaceae	Therophyte
184	<i>Madhuca latifolia</i>	Sapotaceae	Phanerophyte
185	<i>Malotus philippinus</i>	Euphorbiaceae	Phanerophyte
186	<i>Malvastrum coramandalicum</i>	Malvaceae	Therophyte
187	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
188	<i>Marselia quadrifolia</i>	Marseliaceae	Phanerophyte
189	<i>Melia azadirachta</i>	Meliaceae	Phanerophyte
190	<i>Nemardica dioica</i>	Cucurbitaceae	Therophyte
191	<i>Nerremia emerginata</i>	Convolvulaceae	Therophyte
192	<i>Michaelia champaca</i>	Annonaceae	Phanerophyte
193	<i>Millettia hirtellia</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 hirta</i>	Aizoaceae	Therophyte
198	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
199	<i>Morus alba</i>	Moraceae	Phanerophyte
200	<i>Mucuna pruri</i>	Papilionaceae	Hemicryptophyte
201	<i>Murraya exotica</i>	Rutaceae	Phanerophyte
202	<i>Murraya koenigii</i>	Rutaceae	Phanerophyte
203	<i>Musa paradisiaca</i>	Musaceae	Therophyte
204	<i>Nympha sp</i>	Magnoliaceae	Hydrophyte
205	<i>Ocimum americanum</i>	Labiatae	Therophyte
206	<i>Ocimum basilicum</i>	Labiatae	Therophyte
207	<i>Ocimum canum</i>	Labiatae	Therophyte
208	<i>Ocimum sanctum</i>	Labiatae	Therophyte
209	<i>Oldenlandia umbellata</i>	Convolvulaceae	Therophyte
210	<i>Oldenlandia corymbosa</i>	Rubiaceae	Therophyte
211	<i>Oegelina ocelensis</i>	Papilionaceae	Phanerophyte
212	<i>Opuntia dilinii</i>	Opuntiaceae	Therophyte
213	<i>Opuntia elater</i>	Cactaceae	Therophyte
214	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
215	<i>Panicum millire</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>Perthium hysterophorus</i>	Compositae	Therophyte
220	<i>Paspalum strobilanthus</i>	Passifloraceae	Hemicryptophyte
221	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
222	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
223	<i>Peltophorum ferrugineum</i>	Caesalpiniaceae	Phanerophyte
224	<i>Phoenix culis</i>	Palmaceae	Phanerophyte
225	<i>Phyllanthus asperulatus</i>	Euphorbiaceae	Phanerophyte
226	<i>Phyllanthus emblica</i>	Euphorbiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
227	<i>Phyllanthus niruri</i>	Euphorbiaceae	Therophyte
228	<i>Phyllanthus reticulatus</i>	Euphorbiaceae	Therophyte
229	<i>Physalis minima</i>	Solanaceae	Therophyte
230	<i>Pithecolobium dulce</i>	Mimosaceae	Phanerophyte
231	<i>Polysiphia longifolia</i>	Annonaceae	Phanerophyte
232	<i>Polygala erepsera</i>	Polygalaceae	Therophyte
233	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
234	<i>Portulaca oleracea</i>	Portulacaceae	Therophyte
235	<i>Psidium guajava</i>	Myrtaceae	Phanerophyte
236	<i>Punka granulatum</i>	Puniceae	Therophyte
237	<i>Randia dumetorum</i>	Rubiaceae	Phanerophyte
238	<i>Rosa indica</i>	Rosaceae	Therophyte
239	<i>Rosa mochara</i>	Rosaceae	Therophyte
240	<i>Saccharum munja</i>	Poaceae	Hemicryptophyte
241	<i>Saccharum officinarum</i>	Poaceae	Therophyte
242	<i>Salmaia malabarica</i>	Salmaiaceae	Phanerophyte
243	<i>Sapindus emarginatus</i>	Sapindaceae	Phanerophyte
244	<i>Schleichera trijuga</i>	Combretaceae	Phanerophyte
245	<i>Schreberia swietenioides</i>	Sapindaceae	Phanerophyte
246	<i>Schleichera oleosa</i>	Sapindaceae	Phanerophyte
247	<i>Sesamum indicum</i>	Pedaliaceae	Hemicryptophyte
248	<i>Shorea robusta</i>	Dipterocarpaceae	Phanerophyte
249	<i>Sida orientalis</i>	Malvaceae	Phanerophyte
250	<i>Sida rhomboides</i>	Malvaceae	Hemicryptophyte
251	<i>Solanum nigrum</i>	Solanaceae	Therophyte
252	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
253	<i>Stemilia villosa</i>	Tiliaceae	Therophyte
254	<i>Stereospermum chelonoides</i>	Bignoniaceae	Phanerophyte
255	<i>Syzygium cumini</i>	Myrtaceae	Phanerophyte
256	<i>Tamarindus indica</i>	Caesalpinaceae	Phanerophyte
257	<i>Tecomella undulata</i>	Bignoniaceae	Therophyte
258	<i>Tectona grandis</i>	Verbinaceae	Phanerophyte
259	<i>Tephrosia purpurea</i>	Fabaceae	Therophyte
260	<i>Terminalia bellarica</i>	Combretaceae	Phanerophyte
261	<i>Terminalia chebula</i>	Combretaceae	Phanerophyte
262	<i>Terminalia tomentosa</i>	Combretaceae	Phanerophyte
263	<i>Thiospora cordifolia</i>	Rhamnaceae	Therophyte
264	<i>Tragus biflorus</i>	Poaceae	Hemicryptophyte
265	<i>Tribulus terrestris</i>	Zygophyllaceae	Therophyte
266	<i>Trixis procumbens</i>	Compositae	Therophyte
267	<i>Triumfetta pilosa</i>	Tiliaceae	
268	<i>Veronia cinerea</i>	Compositae	Therophyte
269	<i>Vicia indica</i>	Compositae	Phanerophyte
270	<i>Vitex negundo</i>	Verbinaceae	Phanerophyte
271	<i>Vitex negundo</i>	Verbinaceae	Therophyte
272	<i>Vitis vermicifera</i>	Vitaceae	Therophyte
273	<i>Viverra 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>Zizyphus jujube</i>	Rhamnaceae	Phanerophyte
278	<i>Zizyphus mauritiana</i>	Rhamnaceae	Phanerophyte
V. Grasslands			
279	<i>Apluda mutica</i>	Poaceae	Hemicryptophyte
280	<i>Chloris dolichostachya</i>	Poaceae	Hemicryptophyte
281	<i>Cynodactylon 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 setigera</i>	Poaceae	Therophyte
289	<i>Cymbopogon nyalancusa</i>	Cyperaceae	Hemicryptophyte
290	<i>Cyperus aristatus</i>	Cyperaceae	Therophyte
291	<i>Cyperus triceps</i>	Cyperaceae	Therophyte

Sr. No.	Technical Name	Family	Life Form
292	<i>Dactyloctenium aegyptium</i>	Poaceae	Therophyte
293	<i>Digetaria bicornis</i>	Poaceae	Hemicryptophyte
294	<i>Digetaria Segetaria</i>	Poaceae	Hemicryptophyte
295	<i>Eragrostis biferia</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>Fulicopsis bisata</i>	Graminae	Hemicryptophyte
300	<i>Thysanotena maxima</i>	Graminae	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>	Large egret	Sch-IV
<i>Eudynamis scolopacea</i>	Indian kestrel	Sch-IV
<i>Neops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV
<i>Dinopium bengalense tehrumae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Heteractinia minima</i>	Small sunbird	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
Butterflies		
<i>Hypolimnas bolina Lin.</i>	Common crow	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Depts hylas Moore</i>	Common gillie	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Parantica aglea Stoll.</i>	Glassy tiger	-
Mammals		
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus scrofa</i>	Wild pig	Sch-IV
<i>Herpestes edwardii</i>	Common mongoose	Sch-III
<i>Vulpus bengalensis</i>	Wild fox	Sch-IV
<i>Hystrix indica</i>	Porcupine	Sch-II

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

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) Status
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>Upupa flavirostris</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>Vanellus indicus indicus</i>	Redwattled lapwing	Sch-IV
<i>Tringa hypoleucos</i>	Common sandpiper	Sch-IV
<i>Gelochelidon nilotica nilotica</i>	Gull-billed tern	Sch-IV
<i>Eudynamis scolopacea</i>	Indian kestrel	Sch-IV
<i>Halcyon smyrnensis fusca</i>	Indian white breasted Kingfisher	Sch-IV
<i>Neops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV

Technical Name	English Name/Local Name	Wild Life Protection Act (1972)
<i>Coracias benghalensis indica</i>	Southern Indian Roller	Sch-IV
<i>Dinopium benghalense tehrinae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Corvus splendens protegeus</i>	Ceylon house crow	Sch-IV
<i>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Nectarinia zeylonica sola</i>	Indian purple rumped sunbird	Sch-IV
<i>Arachnothera longirostris longirostris</i>	Little spinder hunter	Sch-IV
<i>Falster domesticus indicus</i>	Indian house sparrow	Sch-IV
<i>Copsychus saularis ceylonensis</i>	Southern magpie-robin	Sch-IV
<i>Orthotomus sutorius</i>	Tailor bird gujarata	Sch-IV
<i>Pavocristatus</i>	Pheasant	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>Chamaeleon zeylanicus</i>	Indian chameleon	Sch-II
<i>Lycodon spp.</i>	Wolf snake	Sch-III
<i>Dingo spp.</i>	Cat snake	Sch-III
<i>Bungarus spp.</i>	Krait	Sch-II
<i>Naja naja</i>	Indian cobra	Sch-III
<i>Viper spp.</i>	Russell's viper	Sch-III
<i>Python sp.</i>	Python sp	Sch-I
Butterflies		
<i>Pachliopta hector Lin.</i>	Crimson rose	-
<i>Papilio demoleus Lin.</i>	Urine butterfly	-
<i>Graphium agamemnon Lin.</i>	Tailed Jay	-
<i>Junonia almana Lin.</i>	Pearce's pansy	-
<i>Hypolimnys bolina Lin.</i>	Great eschir	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Graphis lytes Moore</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Colopha 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 phayzi</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>Rhinolopus spp.</i>	Bat	Sch-V
<i>Hipposideros spp.</i>	Bat	Sch-V
<i>Herpestes edwardsi</i>	Common mongoose	Sch-IV
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Vulpus benghalensis</i>	Wild fox	Sch-III
<i>Melurus ursinus</i>	Bear	Sch-III
<i>Hystrix indica</i>	Porcupine	Sch-IV
<i>Axis axis</i>	Spotted deer	Sch-III
<i>Canis lupus pallipes</i>	Indian wolf	Part-I of Sch-I
<i>Mellivora capensis</i>	Indian Ratel	Part-I of Sch-I
<i>Elephas maximus</i>	Indian Elephant	Part-I of Sch-I
<i>Felis chaus</i>	Jungle cat	Part-II of Sch-II
<i>Paradoxurus hermaphrodites</i>	Indian Small civet	Part-I of Sch-I
<i>Muntiacus muntiacus</i>	Barking deer	Sch-III
<i>Macaca mulatta</i>	Monkey	Part-I of Sch-I

HINDALCO INDUSTRIES LIMITED
SAMRI MINES DIVISION

Year wise /lease wise Afforestation details

Year	Tatijharia lease	
	No. of Saplings	Area in Ha
1998-2017	78925	32.060
2017-18	8868	3.540
2018-19	19967	7.990
2019-20	32715	18.970
2020-21	28739	12.819
2021-22	21947	5.557
2022-23	17110	5.628
2023-24	5846	1.874
2024-25	19770	7.876
2025-26	19680	4.447
Total	253567	100.761

HINDALCO INDUSTRIES LIMITED
Samri Mines Division

Ground Water Level Data (April 2025 to September 2025)

Tatijharia Mine Lease Piezometer Reading		
S No	Month	Depth (meter)
1	Apr-25	29.1
2	May-25	29.8
3	Jun-25	29.3
4	Jul-25	28.7
5	Aug-25	28.6
6	Sep-25	27.7



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Test Report

Test Report No.: ALPL/02062025/19-5

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Tetijharia, Post Jamira, Tehsil Samri(Kusmi), District: Bairampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-5 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-5	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailesh Chahande		Sampling Date: 19.05.2025 Sampling Time: 02.55 pm	Sampling Location Piprapat Nr. Mining
Tests required Coliform, <i>Escherichia coli</i> , Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness.			

TEST RESULTS

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					

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pranita Manchewar
Dy. Technical Manager

Chinmay Garwar
Deputy Quality Manager



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Sample Name Ground Water	Sample Particulars / Details GW-5	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 02.55 pm	Sampling Location Piprapat Nr. Mining
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					

Please refer last Page for Note and Remarks.

Verified by

Dhanashree Hiwanj
Sr. Technical Assistant

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Gargay
Deputy Quality Manager



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Sample Name Ground Water	Sample Particulars / Details GW-5	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 02.55 pm	Sampling Location Piprapat Nr. Mining
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				
40	Polynuclear aromatic hydrocarbons					
	Naphthalene	µg/l	By GCMS/MS	0.1	No relaxation	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)
	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
Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Chinmay Garway
Deputy Quality Manager



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Issued To: M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Belrampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-5 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-5	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 02.55 pm	Sampling Location Piprapat Nr. Mining
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					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager



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Test Report

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Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-5 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-5	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 02.55 pm	Sampling Location Piprapat Nr. Mining
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 #	
IV	Discipline : Chemical					

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

Kailash Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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





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Test Report

Test Report No.: ALPL/02062025/19-6

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-6 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-6	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 03.25 pm	Sampling Location BKB Camp
Tests required Coliform, <i>Escherichia coli</i> , Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness.			

TEST RESULTS

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	<i>Escherichia coli</i>	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	182.49
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	17.21
9	Calcium (as Ca)	mg/l	APHA method 23 rd edition:2017	75	200	53.64
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	0.28
13	Magnesium (as Mg)	mg/l	APHA method 23 rd edition:2017	30	100	12.61
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	7.14 at 25°C
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	12.68
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	273
22	Turbidity	NTU	APHA method 23 rd edition:2017	1	5	0.6
23	Total hardness (as CaCO ₃)	mg/l	APHA method 23 rd edition:2017	200	600	185.89

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pramita Manchewar
Dy. Technical Manager

Chinmay Garwade
Deputy Quality Manager



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Test Report

Test Report No.: ALPL/02062025/19-6

Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Bairampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-6 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-6	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 03.25 pm	Sampling Location BKB Camp
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	0.25
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.

Dhanashree Hiwari
Sr. Technical Assistant

Verified by

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Test Report

Test Report No.: ALPL/02062025/19-6

Dated 02.06.2025

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Issued To: M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G.)		Sample Inward No. ALPL/23052025/EW-1/15-6	Analysis Start 24.05.2025
		Inward Date 23.05.2025	Analysis End 01.06.2025
		Reference 13562310264; 17.05.2024	Sample Category Water
Sample Name Ground Water	Sample Particulars / Details GW-6	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025	Sampling Location BKB Camp
		Sampling Time: 03.25 pm	
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					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Barwad
Chinmay Barwad
Deputy Quality Manager



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Dated 02.06.2025

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Issued To : M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Bairampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-6 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Water	Sample Particulars / Details GW-6	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 03.25 pm	Sampling Location BKB Camp
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					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garwal
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.



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Test Report

Test Report No.: ALPL/02062025/19-6

Dated 02.06.2025

Page 5 of 5

Issued To : M/s Hindalco Industries Limited Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)		Sample Inward No. ALPL/23052025/EW-1/15-6 Inward Date 23.05.2025 Reference 13562310264; 17.05.2024	Analysis Start 24.05.2025 Analysis End 01.06.2025 Sample Category Water
Sample Name Water	Sample Particulars / Details GW-6	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Kailash Chahande		Sampling Date: 19.05.2025 Sampling Time: 03.25 pm	Sampling Location BKB Camp
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 #	
IV	Discipline : Chemical					

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • #Permissible limit in absence of an alternate source for drinking water. • mg/l is equivalent to ppm. • µg/l is equivalent to ppb. • BLQ= below limit of quantification, LOQ= limit of quantification. • Result for test no. 8 is not relevant. • ANtr/7.2/RES-01, ANtr/7.2/RES/05: Inhouse validated method. • NT* indicates not Tested as sample failed to establish safety concerns. • Sampling Method-ANtr/7.2/MON-01 • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

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 Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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



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



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

PROJECT NAME			TATIJHARIA BAUXITE MINE OF M/S HINDALCO INDUSTRIES LIMITED				
PROJECT ADDRESS			VILLAGE-TATIJHARIA		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/2024/1632/R-3/3			
2. DATE OF ISSUANCE				12/03/2025			
3. APPLICATION NO.				MIN/CG/2024/1632/R-3			
4. APPLICATION TYPE				Mining			
5. PROJECT STATUS				Existing Project			
6. NOC TYPE				Renew			
7. VALID FROM				28/03/2025			
8. VALID UP TO				27/03/2027			
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	m ³ /day	m ³ /year	m ³ /day	m ³ /year
5.00	1825.00	0.00	0.00	5.00	1825.00

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)



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Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-1	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-1 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.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-1	Tatijharia Village/ Nr.Weigh Bridge	02.04.2025	57.3	23.2	9.8	16.1	BLQ (LOQ-0.5)
		04.04.2025	66.8	26.4	12.2	14.5	BLQ (LOQ-0.5)
		09.04.2025	63.2	22.5	11.3	16.6	BLQ (LOQ-0.5)
		11.04.2025	54.5	23.8	12.9	12.8	BLQ (LOQ-0.5)
		16.04.2025	65.4	26.5	11.9	15.2	BLQ (LOQ-0.5)
		21.04.2025	68.4	27.6	10.1	16.6	BLQ (LOQ-0.5)
		25.04.2025	62.3	22.7	10.9	13.7	BLQ (LOQ-0.5)
		29.04.2025	60.5	20.9	12.2	15.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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-1	Tatijharia Villager/ Nr.Weigh Bridge	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
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-April-2025

Report No.:-	ALPL/07052025/20-2	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-9 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	Piprapat/ Nr. Mining Area	02.04.2025	66.9	23.3	10.1	14.4	BLQ (LOQ-0.5)
		04.04.2025	64.3	25.4	8.7	17.6	BLQ (LOQ-0.5)
		09.04.2025	57.5	22.2	10.1	14.9	BLQ (LOQ-0.5)
		11.04.2025	60.7	21.6	10.6	18.4	BLQ (LOQ-0.5)
		16.04.2025	67.8	23.4	9.7	13.7	BLQ (LOQ-0.5)
		21.04.2025	64.6	25.3	11.6	16.5	BLQ (LOQ-0.5)
		25.04.2025	61.8	22.2	10.5	14.2	BLQ (LOQ-0.5)
		29.04.2025	65.4	25.1	9.3	13.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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-2	Piprapat/ Nr. Mining Area	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-3	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-17 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	Virhorepat	02.04.2025	68.1	26.2	8.9	11.8	BLQ (LOQ-0.5)
		04.04.2025	64.2	24.3	11.2	14.3	BLQ (LOQ-0.5)
		09.04.2025	67.5	25.7	9.5	12.4	BLQ (LOQ-0.5)
		11.04.2025	59.8	21.5	8.7	15.4	BLQ (LOQ-0.5)
		16.04.2025	53.6	20.2	9.2	16.1	BLQ (LOQ-0.5)
		21.04.2025	61.3	23.8	8.5	11.7	BLQ (LOQ-0.5)
		25.04.2025	65.2	26.7	10.1	15.2	BLQ (LOQ-0.5)
		29.04.2025	58.7	23.1	8.7	14.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Virhorepat	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-4	Report Date:-	07.05.2025
issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-25 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		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Khinpat	02.04.2025	72.1	30.7	14.6	19.2	BLQ (LOQ-0.5)
		04.04.2025	75.5	37.5	15.7	22.1	BLQ (LOQ-0.5)
		09.04.2025	71.2	32.7	16.7	23.5	BLQ (LOQ-0.5)
		11.04.2025	68.6	29.2	16.1	20.6	BLQ (LOQ-0.5)
		16.04.2025	64.9	27.2	17.1	21.2	BLQ (LOQ-0.5)
		21.04.2025	70.9	31.2	16.5	24.7	BLQ (LOQ-0.5)
		25.04.2025	74.4	33.1	14.4	23.2	BLQ (LOQ-0.5)
		29.04.2025	72.1	36.3	16.3	21.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m 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-4	Khinpat	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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

Verified by

Dhanashree Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-5	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-33 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	02.04.2025	62.8	28.1	14.8	27.7	BLQ (LOQ-0.5)
		04.04.2025	66.9	25.9	13.8	24.7	BLQ (LOQ-0.5)
		09.04.2025	64.5	33.2	15.6	21.5	BLQ (LOQ-0.5)
		11.04.2025	66.7	34.3	16.2	23.4	BLQ (LOQ-0.5)
		16.04.2025	71.2	31.8	13.1	26.8	BLQ (LOQ-0.5)
		21.04.2025	64.9	29.6	14.2	24.7	BLQ (LOQ-0.5)
		25.04.2025	57.6	25.9	15.2	31.4	BLQ (LOQ-0.5)
		29.04.2025	67.5	30.4	15.8	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 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-5	Kutku Village/ Nr. V.T. Center	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Ganway
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.



Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-6	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-41 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) $\mu\text{g}/\text{m}^3$	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	Sairaidh Campus	02.04.2025	59.1	23.7	8.9	17.8	BLQ (LOQ-0.5)
		04.04.2025	55.8	21.8	11.2	20.3	BLQ (LOQ-0.5)
		09.04.2025	53.8	19.6	9.6	15.7	BLQ (LOQ-0.5)
		11.04.2025	50.9	17.6	11.3	19.4	BLQ (LOQ-0.5)
		16.04.2025	55.5	20.8	10.5	16.9	BLQ (LOQ-0.5)
		21.04.2025	58.1	22.2	8.6	17.9	BLQ (LOQ-0.5)
		25.04.2025	56.4	23.1	10.7	14.8	BLQ (LOQ-0.5)
		29.04.2025	61.5	24.3	9.3	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 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-6	Sairaidh Campus	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-7	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-49 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.	Discipline: Chemical Air		Group: Atmospheric Pollution		Material or Product tested : Ambient		
AAQ-7	Dumerkholi/ Nr. Mining Area	02.04.2025	65.2	25.6	8.7	20.6	BLQ (LOQ-0.5)
		04.04.2025	60.1	22.7	9.1	19.1	BLQ (LOQ-0.5)
		09.04.2025	67.2	23.8	8.2	15.2	BLQ (LOQ-0.5)
		11.04.2025	62.9	20.5	8.5	16.7	BLQ (LOQ-0.5)
		16.04.2025	68.7	25.6	9.3	18.4	BLQ (LOQ-0.5)
		21.04.2025	57.6	20.8	8.8	17.1	BLQ (LOQ-0.5)
		25.04.2025	54.7	22.1	8.6	19.1	BLQ (LOQ-0.5)
		29.04.2025	51.4	17.9	8.9	15.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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-7	Dumerkholi/ Nr. Mining Area	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---



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



Test Report

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Ambient Air Quality-April-2025

Report No.:-	ALPL/07052025/20-8	Report Date:-	07.05.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02052025/ENV-3/92-57 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	Dhandiapat/ Nr. Mining Area	02.04.2025	57.5	19.8	10.7	17.4	BLQ (LOQ-0.5)
		04.04.2025	63.3	21.7	9.9	19.8	BLQ (LOQ-0.5)
		09.04.2025	59.1	24.9	8.2	21.5	BLQ (LOQ-0.5)
		11.04.2025	55.5	20.5	8.8	19.4	BLQ (LOQ-0.5)
		16.04.2025	62.3	22.7	8.4	17.3	BLQ (LOQ-0.5)
		21.04.2025	56.4	21.2	7.9	19.2	BLQ (LOQ-0.5)
		25.04.2025	60.2	23.5	9.6	18.4	BLQ (LOQ-0.5)
		29.04.2025	63.7	25.4	8.4	20.8	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 /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-8	Dhandiapat/ Nr. Mining Area	02.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.04.2025	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)
		11.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.04.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.04.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-1	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-1 to 8
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-1	Tatijharia Village/ Nr.Weigh Bridge	02.05.2025	74.7	31.8	14.2	26.8	BLQ (LOQ-0.5)
		06.05.2025	70.6	34.1	13.3	30.1	BLQ (LOQ-0.5)
		13.05.2025	73.6	35.3	15.1	28.7	BLQ (LOQ-0.5)
		16.05.2025	72.1	28.6	14.7	26.8	BLQ (LOQ-0.5)
		20.05.2025	80.3	37.1	16.6	24.9	BLQ (LOQ-0.5)
		22.05.2025	71.7	30.5	16.1	27.8	BLQ (LOQ-0.5)
		27.05.2025	75.6	33.1	13.4	25.4	BLQ (LOQ-0.5)
		30.05.2025	72.4	27.6	14.8	24.3	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 /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-1	Tatijharia Village/ Nr Weigh Bridge	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
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.



Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-2	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatiharja, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-9 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	Piprapat/ Nr. Mining Area	02.05.2025	62.8	28.1	14.8	27.7	BLQ (LOQ-0.5)
		06.05.2025	66.9	25.9	13.8	24.7	BLQ (LOQ-0.5)
		13.05.2025	64.5	33.2	15.6	21.5	BLQ (LOQ-0.5)
		16.05.2025	66.7	34.3	16.2	23.4	BLQ (LOQ-0.5)
		20.05.2025	71.2	31.8	13.1	26.8	BLQ (LOQ-0.5)
		22.05.2025	64.9	29.6	14.2	24.7	BLQ (LOQ-0.5)
		27.05.2025	57.6	25.9	15.2	31.4	BLQ (LOQ-0.5)
		30.05.2025	67.5	30.4	15.8	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 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-2	Piprapat/ Nr. Mining Area	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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

Snehil Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-3	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-17 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	Virhorepat	02.05.2025	70.2	35.3	17.1	26.8	BLQ (LOQ-0.5)
		06.05.2025	72.6	30.4	15.6	22.9	BLQ (LOQ-0.5)
		13.05.2025	68.4	31.3	16.6	26.8	BLQ (LOQ-0.5)
		16.05.2025	72.1	33.9	15.2	24.4	BLQ (LOQ-0.5)
		20.05.2025	75.9	36.2	16.2	25.9	BLQ (LOQ-0.5)
		22.05.2025	71.2	30.9	14.8	27.8	BLQ (LOQ-0.5)
		27.05.2025	67.7	32.6	15.8	24.7	BLQ (LOQ-0.5)
		30.05.2025	72.6	37.5	16.2	22.9	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 /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	Virhorepat	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Ganay
Deputy Quality Manager





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Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-4	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-25 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	Khinpat	02.05.2025	61.5	23.6	10.6	15.7	BLQ (LOQ-0.5)
		06.05.2025	65.8	25.6	11.7	14.4	BLQ (LOQ-0.5)
		13.05.2025	60.6	21.5	11.1	13.1	BLQ (LOQ-0.5)
		16.05.2025	54.2	18.6	12.7	14.5	BLQ (LOQ-0.5)
		20.05.2025	59.4	25.6	12.1	13.2	BLQ (LOQ-0.5)
		22.05.2025	57.1	19.9	13.6	13.7	BLQ (LOQ-0.5)
		27.05.2025	60.4	22.3	11.5	16.2	BLQ (LOQ-0.5)
		30.05.2025	59.5	24.1	13.5	17.1	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 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-4	Khinpat	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
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-May-2025

Report No.:-	ALPL/06062025/13-5	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-33 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	02.05.2025	65.9	25.2	11.5	16.5	BLQ (LOQ-0.5)
		06.05.2025	59.7	22.7	11.1	14.2	BLQ (LOQ-0.5)
		13.05.2025	64.3	26.4	12.6	13.1	BLQ (LOQ-0.5)
		16.05.2025	61.3	22.6	10.2	14.5	BLQ (LOQ-0.5)
		20.05.2025	60.7	25.6	11.7	16.2	BLQ (LOQ-0.5)
		22.05.2025	67.7	24.5	13.2	13.6	BLQ (LOQ-0.5)
		27.05.2025	72.1	27.8	12.3	15.1	BLQ (LOQ-0.5)
		30.05.2025	60.3	21.5	13.6	12.4	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 /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-5	Kutku Village/ Nr V.T. Center	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager



Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-6	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-41 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	Sairaidh Campus	02.05.2025	63.4	20.2	11.8	13.8	BLQ (LOQ-0.5)
		06.05.2025	67.5	25.6	13.2	15.6	BLQ (LOQ-0.5)
		13.05.2025	64.3	23.1	12.5	13.5	BLQ (LOQ-0.5)
		16.05.2025	66.8	24.4	10.6	16.2	BLQ (LOQ-0.5)
		20.05.2025	68.6	27.2	13.5	14.4	BLQ (LOQ-0.5)
		22.05.2025	61.4	22.6	14.7	16.8	BLQ (LOQ-0.5)
		27.05.2025	65.2	27.2	13.6	15.9	BLQ (LOQ-0.5)
		30.05.2025	62.5	23.5	11.7	14.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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-6	Sairaidh Campus	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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

Verified by

Dhanashree Hiwanj
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.



Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-7	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatiharua, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-49 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	Dhandiapat/ Nr. Mining Area	02.05.2025	67.4	31.6	9.5	20.2	BLQ (LOQ-0.5)
		06.05.2025	63.6	27.4	13.8	22.8	BLQ (LOQ-0.5)
		13.05.2025	61.3	24.5	11.9	17.6	BLQ (LOQ-0.5)
		16.05.2025	58.6	21.9	14.2	21.8	BLQ (LOQ-0.5)
		20.05.2025	63.2	26.1	12.4	18.9	BLQ (LOQ-0.5)
		22.05.2025	66.2	27.9	10.7	19.4	BLQ (LOQ-0.5)
		27.05.2025	64.3	30.5	13.1	16.6	BLQ (LOQ-0.5)
		30.05.2025	70.1	32.4	11.4	20.7	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
AAQ-7	Dhandiapat/ Nr. Mining Area	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager





Test Report

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Ambient Air Quality-May-2025

Report No.:-	ALPL/06062025/13-8	Report Date:-	06.06.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/02062025/ENV-3/92-57 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		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Dumerkholi/ Nr. Mining Area	02.05.2025	74.6	33.7	12.7	23.1	BLQ (LOQ-0.5)
		06.05.2025	68.5	29.9	11.3	21.2	BLQ (LOQ-0.5)
		13.05.2025	76.5	31.3	10.2	17.1	BLQ (LOQ-0.5)
		16.05.2025	71.7	29.6	9.8	18.7	BLQ (LOQ-0.5)
		20.05.2025	78.6	34.2	11.7	20.7	BLQ (LOQ-0.5)
		22.05.2025	65.6	27.4	10.9	19.2	BLQ (LOQ-0.5)
		27.05.2025	62.3	29.1	10.7	21.4	BLQ (LOQ-0.5)
		30.05.2025	58.2	23.5	9.5	17.1	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 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-8	Dumerkholi/ Nr. Mining Area	02.05.2025	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)
		16.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.05.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22.05.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-1	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-1	Tatijharia Village/ Nr.Weigh Bridge	03.06.2025	65.5	26.1	13.5	19.6	BLQ (LOQ-0.5)
		06.06.2025	72.1	28.6	12.2	22.4	BLQ (LOQ-0.5)
		10.06.2025	67.6	32.4	10.3	24.1	BLQ (LOQ-0.5)
		13.06.2025	63.2	27.5	10.9	21.5	BLQ (LOQ-0.5)
		16.06.2025	72.2	31.7	10.5	19.4	BLQ (LOQ-0.5)
		19.06.2025	64.9	25.1	9.7	21.3	BLQ (LOQ-0.5)
		24.06.2025	69.4	28.3	11.9	20.7	BLQ (LOQ-0.5)
		28.06.2025	72.8	26.8	10.1	23.3	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 /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-1	Tatijharia Village/ Nr Weigh Bridge	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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 Hiwanj
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/07072025/11-2	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-2	Piprapat/ Nr. Mining Area	03.06.2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		06.06.2025	69.2	27.1	10.7	15.4	BLQ (LOQ-0.5)
		10.06.2025	67.5	23.6	10.3	17.6	BLQ (LOQ-0.5)
		13.06.2025	71.2	28.6	11.1	16.8	BLQ (LOQ-0.5)
		16.06.2025	64.4	25.4	9.8	18.6	BLQ (LOQ-0.5)
		19.06.2025	59.2	29.3	8.9	15.6	BLQ (LOQ-0.5)
		24.06.2025	66.5	24.6	9.4	17.5	BLQ (LOQ-0.5)
		28.06.2025	72.1	20.8	9.9	15.3	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 /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-2	Piprapat/ Nr. Mining Area	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Ganay
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.





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-3	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-3	Virhorepat	03.06.2025	65.3	23.9	12.2	19.2	BLQ (LOQ-0.5)
		06.06.2025	58.8	25.4	10.3	20.1	BLQ (LOQ-0.5)
		10.06.2025	61.4	22.2	8.3	17.1	BLQ (LOQ-0.5)
		13.06.2025	70.1	24.7	8.7	14.7	BLQ (LOQ-0.5)
		16.06.2025	67.5	23.5	9.1	15.8	BLQ (LOQ-0.5)
		19.06.2025	62.1	27.4	9.9	17.1	BLQ (LOQ-0.5)
		24.06.2025	65.1	25.4	11.2	18.1	BLQ (LOQ-0.5)
		28.06.2025	70.6	28.6	9.9	15.3	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 /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	Virhorepat	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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.

Snehal Raut
Technical Manager

Verified by

Dhanashree Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-4	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatiharja, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-4	Khinpat	03.06.2025	61.3	23.6	10.3	17.5	BLQ (LOQ-0.5)
		06.06.2025	66.1	22.2	8.7	18.6	BLQ (LOQ-0.5)
		10.06.2025	63.4	24.6	9.5	19.2	BLQ (LOQ-0.5)
		13.06.2025	57.1	27.1	9.2	15.8	BLQ (LOQ-0.5)
		16.06.2025	61.7	23.5	9.4	18.6	BLQ (LOQ-0.5)
		19.06.2025	66.9	26.2	8.1	17.3	BLQ (LOQ-0.5)
		24.06.2025	70.3	22.6	8.9	15.3	BLQ (LOQ-0.5)
		28.06.2025	61.8	24.6	9.4	17.1	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 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-4	Khinpat	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garwa
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.



Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-5	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatiharja, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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	03.06.2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		06.06.2025	69.2	27.1	10.7	15.4	BLQ (LOQ-0.5)
		10.06.2025	67.5	23.6	10.3	17.6	BLQ (LOQ-0.5)
		13.06.2025	71.2	28.6	11.1	16.8	BLQ (LOQ-0.5)
		16.06.2025	64.4	25.4	9.8	18.6	BLQ (LOQ-0.5)
		19.06.2025	59.2	29.3	8.9	15.6	BLQ (LOQ-0.5)
		24.06.2025	66.5	24.6	9.4	17.5	BLQ (LOQ-0.5)
		28.06.2025	72.1	20.8	9.9	15.3	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 /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-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)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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

Shehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-6	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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	Dhandiapat/ Nr. Mining Area	03.06.2025	65.3	23.9	12.2	19.2	BLQ (LOQ-0.5)
		06.06.2025	58.8	25.4	10.3	20.1	BLQ (LOQ-0.5)
		10.06.2025	61.4	22.2	8.3	17.1	BLQ (LOQ-0.5)
		13.06.2025	70.1	24.7	8.7	14.7	BLQ (LOQ-0.5)
		16.06.2025	67.5	23.5	9.1	15.8	BLQ (LOQ-0.5)
		19.06.2025	62.1	27.4	9.9	17.1	BLQ (LOQ-0.5)
		24.06.2025	65.1	25.4	11.2	18.1	BLQ (LOQ-0.5)
		28.06.2025	70.6	28.6	9.9	15.3	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 /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-6	Dhandiapat/ Nr. Mining Area	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-7	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-7	Dumerkholi/ Nr. Mining Area	03.06.2025	61.3	23.6	10.3	17.5	BLQ (LOQ-0.5)
		06.06.2025	66.1	22.2	8.7	18.6	BLQ (LOQ-0.5)
		10.06.2025	63.4	24.6	9.5	19.2	BLQ (LOQ-0.5)
		13.06.2025	57.1	27.1	9.2	15.8	BLQ (LOQ-0.5)
		16.06.2025	61.7	23.5	9.4	18.6	BLQ (LOQ-0.5)
		19.06.2025	66.9	26.2	8.1	17.3	BLQ (LOQ-0.5)
		24.06.2025	70.3	22.6	8.9	15.3	BLQ (LOQ-0.5)
		28.06.2025	61.8	24.6	9.4	17.1	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 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-7	Dumerkholi/ Nr. Mining Area	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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 Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

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Ambient Air Quality-June-2025

Report No.:-	ALPL/07072025/11-8	Report Date:-	07.07.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01072025/ENV-3/96-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.07.2025
Test Started On:-	02.07.2025	Test Completed On:-	05.07.2025
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-8	Sairaidh Campus	03.06.2025	59.4	25.6	12.1	13.2	BLQ (LOQ-0.5)
		06.06.2025	57.1	19.9	13.6	13.7	BLQ (LOQ-0.5)
		10.06.2025	60.4	22.3	11.5	16.2	BLQ (LOQ-0.5)
		13.06.2025	59.5	24.1	13.5	17.1	BLQ (LOQ-0.5)
		16.06.2025	65.9	25.2	11.5	16.5	BLQ (LOQ-0.5)
		19.06.2025	59.7	22.7	11.1	14.2	BLQ (LOQ-0.5)
		24.06.2025	64.3	26.4	12.6	13.1	BLQ (LOQ-0.5)
		28.06.2025	61.3	22.6	10.2	14.5	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 /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-8	Sairaidh Campus	03.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.06.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16.06.2025	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)
		28.06.2025	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

Verified by

Dhanashree Hiwanj
Sr. Technical Assistant

----End of Report----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-1	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-1 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	Tatijharia Village/ Nr.Weigh Bridge	04.07.2025	63.5	20.4	11.9	20.6	BLQ (LOQ-0.5)
		05.07.2025	62.5	21.3	10.1	16.5	BLQ (LOQ-0.5)
		12.07.2025	59.2	25.4	14.5	19.9	BLQ (LOQ-0.5)
		13.07.2025	64.5	29.2	15.2	23.4	BLQ (LOQ-0.5)
		19.07.2025	69.8	22.2	11.2	16.8	BLQ (LOQ-0.5)
		20.07.2025	65.5	26.3	17.2	26.8	BLQ (LOQ-0.5)
		26.07.2025	60.2	20.5	11.8	22.5	BLQ (LOQ-0.5)
		27.07.2025	57.6	23.3	14.9	22.4	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 /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-1	Tatijharia Village/ Nr.Weigh Bridge	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-2	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatihar, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-9 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		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	Piprapat/ Nr. Mining Area	04.07.2025	62.3	30.4	14.2	25.9	BLQ (LOQ-0.5)
		05.07.2025	70.2	24.6	10.3	21.6	BLQ (LOQ-0.5)
		12.07.2025	65.8	30.1	15.6	22.9	BLQ (LOQ-0.5)
		13.07.2025	68.4	23.7	16.8	26.8	BLQ (LOQ-0.5)
		19.07.2025	68.5	28.2	11.2	24.4	BLQ (LOQ-0.5)
		20.07.2025	70.1	21.1	16.2	24.1	BLQ (LOQ-0.5)
		26.07.2025	66.6	30.9	14.8	20.6	BLQ (LOQ-0.5)
		27.07.2025	58.3	26.8	9.6	24.7	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
AAQ-2	Piprapat/ Nr. Mining Area	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-3	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31072025/ENV-3/02-17 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) $\mu\text{g}/\text{m}^3$	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	Virhorepat	04.07.2025	65.5	22.3	16.2	22.9	BLQ (LOQ-0.5)
		05.07.2025	70.5	32.1	11.3	26.8	BLQ (LOQ-0.5)
		12.07.2025	62.3	21.7	13.3	25.1	BLQ (LOQ-0.5)
		13.07.2025	65.8	29.6	15.1	27.7	BLQ (LOQ-0.5)
		19.07.2025	61.9	27.1	11.8	20.3	BLQ (LOQ-0.5)
		20.07.2025	69.5	29.8	16.6	24.9	BLQ (LOQ-0.5)
		26.07.2025	65.5	22.3	16.2	22.9	BLQ (LOQ-0.5)
		27.07.2025	70.5	32.1	11.3	26.8	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 /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	Virhorepat	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwari
Sr. Technical Assistant

-----End of Report-----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-4	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-25 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) $\mu\text{g}/\text{m}^3$	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	Khinpat	04.07.2025	63.8	24.9	12.5	21.4	BLQ (LOQ-0.5)
		05.07.2025	61.5	21.2	9.9	15.7	BLQ (LOQ-0.5)
		12.07.2025	65.8	25.6	14.5	20.4	BLQ (LOQ-0.5)
		13.07.2025	60.6	22.5	13.6	18.6	BLQ (LOQ-0.5)
		19.07.2025	66.6	25.4	12.7	16.8	BLQ (LOQ-0.5)
		20.07.2025	59.4	25.6	16.9	19.7	BLQ (LOQ-0.5)
		26.07.2025	69.7	30.2	13.6	19.8	BLQ (LOQ-0.5)
		27.07.2025	60.4	23.3	11.5	21.1	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 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-4	Khinpat	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwari
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Barway
Deputy Quality Manager



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Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-5	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-33 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		

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-5	Kutku Village/ Nr. V.T. Center	04.07.2025	59.5	26.1	14.8	21.6	BLQ (LOQ-0.5)
		05.07.2025	65.9	25.2	11.5	16.5	BLQ (LOQ-0.5)
		12.07.2025	59.7	22.7	15.1	20.5	BLQ (LOQ-0.5)
		13.07.2025	64.3	26.4	12.6	22.2	BLQ (LOQ-0.5)
		19.07.2025	61.3	20.9	10.2	16.9	BLQ (LOQ-0.5)
		20.07.2025	57.9	25.6	16.2	16.2	BLQ (LOQ-0.5)
		26.07.2025	67.7	22.9	13.2	24.2	BLQ (LOQ-0.5)
		27.07.2025	62.3	27.8	12.3	18.7	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
AAQ-5	Kutku Village/ Nr. V.T. Center	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwanj
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-July-2025

Report No.:-	ALPL/05082025/3-6	Report Date:-	05.08.2025*
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-41 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		

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	Sairaidh Campus	04.07.2025	67.7	22.9	13.2	24.2	BLQ (LOQ-0.5)
		05.07.2025	62.3	27.8	12.3	18.7	BLQ (LOQ-0.5)
		12.07.2025	60.3	21.5	16.7	19.2	BLQ (LOQ-0.5)
		13.07.2025	63.4	24.9	11.8	20.3	BLQ (LOQ-0.5)
		19.07.2025	67.5	25.6	13.2	18.7	BLQ (LOQ-0.5)
		20.07.2025	70.1	23.1	12.5	18.4	BLQ (LOQ-0.5)
		26.07.2025	66.8	29.3	10.6	16.2	BLQ (LOQ-0.5)
		27.07.2025	60.6	24.1	13.5	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 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-6	Sairaidh Campus	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwanj
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.



Test Report

Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-7	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-49 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		

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	Dhandiapat/ Nr. Mining Area	04.07.2025	52.3	21.3	11.2	17.3	BLQ (LOQ-0.5)
		05.07.2025	60.3	24.1	9.9	16.4	BLQ (LOQ-0.5)
		12.07.2025	64.8	22.3	10.3	17.5	BLQ (LOQ-0.5)
		13.07.2025	61.1	20.5	8.7	18.7	BLQ (LOQ-0.5)
		19.07.2025	69.4	24.6	12.6	19.2	BLQ (LOQ-0.5)
		20.07.2025	60.2	23.4	11.5	18.4	BLQ (LOQ-0.5)
		26.07.2025	61.7	23.5	10.4	19.6	BLQ (LOQ-0.5)
		27.07.2025	59.7	24.3	11.9	20.3	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-7	Dhandiapat/ Nr. Mining Area	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-July-2025

Report No.:-	ALPL/05082025/3-8	Report Date:-	05.08.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/31072025/ENV-3/92-57 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	Dumerkholi/ Nr. Mining Area	04.07.2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		05.07.2025	69.2	20.6	13.6	18.9	BLQ (LOQ-0.5)
		12.07.2025	65.3	26.1	10.3	21.7	BLQ (LOQ-0.5)
		13.07.2025	70.2	30.1	14.8	22.4	BLQ (LOQ-0.5)
		19.07.2025	64.4	25.4	9.8	24.7	BLQ (LOQ-0.5)
		20.07.2025	59.2	21.8	13.4	19.6	BLQ (LOQ-0.5)
		26.07.2025	66.5	24.6	9.4	20.4	BLQ (LOQ-0.5)
		27.07.2025	58.5	23.6	12.8	18.5	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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-8	Dumerkholi/ Nr. Mining Area	04.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26.07.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27.07.2025	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 Hiwanj
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-August-2025

Report No.:-	ALPL/05092025/3-1	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-1 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) $\mu\text{g}/\text{m}^3$	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	Tatijharia Village/ Nr.Weigh Bridge	01.08.2025	58.6	21.4	8.9	15.8	BLQ (LOQ-0.5)
		05.08.2025	63.4	25.6	13.6	20.9	BLQ (LOQ-0.5)
		12.08.2025	68.7	19.2	11.5	25.7	BLQ (LOQ-0.5)
		13.08.2025	57.6	24.7	12.4	21.6	BLQ (LOQ-0.5)
		21.08.2025	52.9	20.5	16.4	21.9	BLQ (LOQ-0.5)
		22.08.2025	64.9	23.8	9.6	19.6	BLQ (LOQ-0.5)
		26.08.2025	59.3	19.2	15.3	24.8	BLQ (LOQ-0.5)
		28.08.2025	64.2	21.7	12.4	20.5	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-1	Tatijharia Village/ Nr.Weigh Bridge	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
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-August-2025

Report No.:-	ALPL/05092025/3-2	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-9 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	Piprapat/ Nr. Mining Area	01.08.2025	55.2	21.8	10.7	20.6	BLQ (LOQ-0.5)
		05.08.2025	59.8	28.7	15.4	23.9	BLQ (LOQ-0.5)
		12.08.2025	65.2	24.6	12	19.3	BLQ (LOQ-0.5)
		13.08.2025	57.6	20.2	12.6	21.4	BLQ (LOQ-0.5)
		21.08.2025	50.5	16.1	9.7	21.6	BLQ (LOQ-0.5)
		22.08.2025	64.8	23.8	13.4	21.9	BLQ (LOQ-0.5)
		26.08.2025	69.8	21.6	8.8	21.8	BLQ (LOQ-0.5)
		28.08.2025	58.3	27.5	12.2	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 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-2	Piprapat/ Nr. Mining Area	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Test Report

Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/3-3	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-17 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) $\mu\text{g}/\text{m}^3$	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	Virhorepat	01.08.2025	62.9	23.8	16.3	23.7	BLQ (LOQ-0.5)
		05.08.2025	67.2	27.1	11.7	21.4	BLQ (LOQ-0.5)
		12.08.2025	64.3	22.5	15.5	24.7	BLQ (LOQ-0.5)
		13.08.2025	59.2	25.3	9.4	20.3	BLQ (LOQ-0.5)
		21.08.2025	53.6	28.4	12.8	18.4	BLQ (LOQ-0.5)
		22.08.2025	61.8	30.1	8.2	23.8	BLQ (LOQ-0.5)
		26.08.2025	66.7	25.9	11.3	21.4	BLQ (LOQ-0.5)
		28.08.2025	59.2	29.4	17.4	20.1	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Virhorepat	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
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-August-2025

Report No.:-	ALPL/05092025/3-4	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-25 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) $\mu\text{g}/\text{m}^3$	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	Khinpat	01.08.2025	69.8	23.4	11.2	21.9	BLQ (LOQ-0.5)
		05.08.2025	64.1	28.5	11.9	21.5	BLQ (LOQ-0.5)
		12.08.2025	56.3	21.8	9.2	18.7	BLQ (LOQ-0.5)
		13.08.2025	62.8	26.7	13.4	21.3	BLQ (LOQ-0.5)
		21.08.2025	61.7	23.8	9.9	17.9	BLQ (LOQ-0.5)
		22.08.2025	65.8	21.6	12.5	20.7	BLQ (LOQ-0.5)
		26.08.2025	55.8	21.6	14.2	23.6	BLQ (LOQ-0.5)
		28.08.2025	50.4	21.2	10.6	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 /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-4	Khinpat	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
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-August-2025

Report No.:-	ALPL/05092025/3-5	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatihar, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-33 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	01.08.2025	59.6	22.6	10.5	16.6	BLQ (LOQ-0.5)
		05.08.2025	64.1	25.7	14.3	21..6	BLQ (LOQ-0.5)
		12.08.2025	60.5	23.6	9.9	18..7	BLQ (LOQ-0.5)
		13.08.2025	57.6	18.2	13.5	20.7	BLQ (LOQ-0.5)
		21.08.2025	64.6	23.3	17.2	21.7	BLQ (LOQ-0.5)
		22.08.2025	65.8	28.4	12.6	22.3	BLQ (LOQ-0.5)
		26.08.2025	58.2	19.2	9.3	23.3	BLQ (LOQ-0.5)
		28.08.2025	63.1	26.4	13.9	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 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-5	Kutku Village/ Nr. V.T. Center	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





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Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/3-6	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-41 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
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	Sairaidh Campus	01.08.2025	59.4	20.6	11.6	24.7	BLQ (LOQ-0.5)
		05.08.2025	63.8	23.5	8.2	23.8	BLQ (LOQ-0.5)
		12.08.2025	57.5	27.3	12.9	26.3	BLQ (LOQ-0.5)
		13.08.2025	62.2	21.4	8.3	24.1	BLQ (LOQ-0.5)
		21.08.2025	63.5	26.4	14.7	26.3	BLQ (LOQ-0.5)
		22.08.2025	61.7	19.5	12.6	21.4	BLQ (LOQ-0.5)
		26.08.2025	60.8	23.8	13.4	24.7	BLQ (LOQ-0.5)
		28.08.2025	58.7	27.3	16.9	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 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-6	Sairaidh Campus	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Page 1 of 1

Ambient Air Quality-August-2025

Report No.:-	ALPL/05092025/3-7	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-49 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 Air	Group: Atmospheric Pollution			Material or Product tested : Ambient		
AAQ-7	Dumerkholi/ Nr. Mining Area	01.08.2025	56.8	22.4	9.7	15.2	BLQ (LOQ-0.5)
		05.08.2025	52.4	25.4	12.2	20.1	BLQ (LOQ-0.5)
		12.08.2025	57.8	20.5	13.8	16.3	BLQ (LOQ-0.5)
		13.08.2025	53.1	23.6	10.8	20.6	BLQ (LOQ-0.5)
		21.08.2025	56.2	24.1	8.9	25.6	BLQ (LOQ-0.5)
		22.08.2025	54.9	24.7	14.6	22.8	BLQ (LOQ-0.5)
		26.08.2025	59.9	20.7	13.5	25.1	BLQ (LOQ-0.5)
		28.08.2025	59.1	23.5	12.9	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 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-7	Dumerkholi/ Nr. Mining Area	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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 Hiwanj
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-August-2025

Report No.:-	ALPL/05092025/3-8	Report Date:-	05.09.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01092025/ENV-3/92-57 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) $\mu\text{g}/\text{m}^3$	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	Dhandiapat/ Nr. Mining Area	01.08.2025	56.5	22.6	9.9	15.5	BLQ (LOQ-0.5)
		05.08.2025	51.3	25.8	13.1	19.3	BLQ (LOQ-0.5)
		12.08.2025	58.2	21.6	12.5	23.5	BLQ (LOQ-0.5)
		13.08.2025	51.4	21.2	11.6	20.1	BLQ (LOQ-0.5)
		21.08.2025	53.9	25.1	16.3	13.8	BLQ (LOQ-0.5)
		22.08.2025	57.4	23.4	12.5	21.2	BLQ (LOQ-0.5)
		26.08.2025	50.2	23.9	15.6	15.4	BLQ (LOQ-0.5)
		28.08.2025	57.6	21.6	10.3	20.5	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 /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-8	Dhandiapat/ Nr. Mining Area	01.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13.08.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21.08.2025	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)
		28.08.2025	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

Sneha Raut
Technical Manager

Dhanashree Hiwanj
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.





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Test Report

Ambient Air Quality-September-2025

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Report No.:-	ALPL/08102025/3-1	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-1 to 8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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-1	Tatijharia Village/ Nr.Weigh Bridge	01.09.2025	64.2	25.1	13.6	23.1	BLQ (LOQ-0.5)
		04.09.2025	67.4	23.6	9.5	20.2	BLQ (LOQ-0.5)
		09.09.2025	63.6	27.4	13.8	21.5	BLQ (LOQ-0.5)
		12.09.2025	68.2	24.5	13.8	17.6	BLQ (LOQ-0.5)
		17.09.2025	58.6	20.9	10.6	19.8	BLQ (LOQ-0.5)
		18.09.2025	63.2	26.1	14.4	20.4	BLQ (LOQ-0.5)
		23.09.2025	67.3	22.4	10.7	21.3	BLQ (LOQ-0.5)
		29.09.2025	64.3	24.3	13.1	20.7	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
AAQ-1	Tatijharia Village/ Nr.Weigh Bridge	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Test Report

Ambient Air Quality-September-2025

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Report No.:-	ALPL/08102025/3-2	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-9 to 16
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025*
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-2	Piprapat/ Nr. Mining Area	01.09.2025	60.5	22.6	10.2	21.3	BLQ (LOQ-0.5)
		04.09.2025	64.6	26.9	16.2	23.1	BLQ (LOQ-0.5)
		09.09.2025	68.5	21.2	11.3	21.2	BLQ (LOQ-0.5)
		12.09.2025	58.8	19.5	10.2	17.1	BLQ (LOQ-0.5)
		17.09.2025	65.2	20.3	8.8	15.9	BLQ (LOQ-0.5)
		18.09.2025	62.8	21.6	11.7	20.7	BLQ (LOQ-0.5)
		23.09.2025	65.6	26.4	10.9	21.3	BLQ (LOQ-0.5)
		29.09.2025	60.6	21.6	15.5	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 /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-2	Piprapat/ Nr. Mining Area	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Gargya
Deputy Quality Manager



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Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/3-3	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-17 to 24
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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-3	Virhorepat	01.09.2025	53.4	23.5	9.5	17.1	BLQ (LOQ-0.5)
		04.09.2025	65.5	20.4	13.5	20.5	BLQ (LOQ-0.5)
		09.09.2025	61.7	23.8	16.9	22.4	BLQ (LOQ-0.5)
		12.09.2025	64.6	22.8	10.3	19.8	BLQ (LOQ-0.5)
		17.09.2025	63.5	21.8	13.9	24.1	BLQ (LOQ-0.5)
		18.09.2025	59.8	23.4	14.9	21.5	BLQ (LOQ-0.5)
		23.09.2025	53.4	23.5	9.5	17.1	BLQ (LOQ-0.5)
		29.09.2025	65.5	20.4	13.5	20.5	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 /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	Virhorepat	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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

Dhaniashree Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Test Report

Page 1 of 1

Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/3-4	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-25 to 32
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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-4	Khinpat	01.09.2025	63.5	21.4	11.6	25.1	BLQ (LOQ-0.5)
		04.09.2025	63.8	23.6	9.6	20.1	BLQ (LOQ-0.5)
		09.09.2025	69.2	27.4	13.1	21.3	BLQ (LOQ-0.5)
		12.09.2025	67.5	24.5	16.5	21.8	BLQ (LOQ-0.5)
		17.09.2025	59.9	20.9	12.6	22.3	BLQ (LOQ-0.5)
		18.09.2025	64.4	26.1	12.8	24.1	BLQ (LOQ-0.5)
		23.09.2025	59.2	22.4	11.6	20.5	BLQ (LOQ-0.5)
		29.09.2025	66.5	24.1	15.2	22.3	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 /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-4	Khinpat	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 attached 10.1

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 Hiwanj
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-September-2025

Report No.:-	ALPL/08102025/3-5	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatiharja, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01102025/ENV-3/06-33 to 40
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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-5	Kutku Village/ Nr. V.T. Center	01.09.2025	63.8	21.6	12.8	18.3	BLQ (LOQ-0.5)
		04.09.2025	65.3	23.6	8.6	19.8	BLQ (LOQ-0.5)
		09.09.2025	58.8	21.2	12.5	24.1	BLQ (LOQ-0.5)
		12.09.2025	64.2	22.3	14.2	23.9	BLQ (LOQ-0.5)
		17.09.2025	60.7	20.3	14.3	20.8	BLQ (LOQ-0.5)
		18.09.2025	67.5	24.8	15.4	19.7	BLQ (LOQ-0.5)
		23.09.2025	62.1	21.6	11.2	23.8	BLQ (LOQ-0.5)
		29.09.2025	65.1	20.5	14.5	21.4	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 /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-5	Kutku Village/ Nr. V.T. Center	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 underlined 'Original Test Report' for details.

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 Hiwanj
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.



Test Report

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Ambient Air Quality-September-2025

Report No.:-	ALPL/08102025/3-6	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-41 to 48
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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	Dhandiapat/ Nr. Mining Area	01.09.2025	58.2	23.5	8.6	16.8	BLQ (LOQ-0.5)
		04.09.2025	61.3	23.9	11.5	21.4	BLQ (LOQ-0.5)
		09.09.2025	66.1	24.1	9.6	16.8	BLQ (LOQ-0.5)
		12.09.2025	63.4	23.8	16.3	23.9	BLQ (LOQ-0.5)
		17.09.2025	68.5	26.7	12.8	20.4	BLQ (LOQ-0.5)
		18.09.2025	57.1	19.6	13.6	22.5	BLQ (LOQ-0.5)
		23.09.2025	58.2	23.5	8.6	16.8	BLQ (LOQ-0.5)
		29.09.2025	61.3	23.9	11.5	21.4	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 /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-6	Dhandiapat/ Nr. Mining Area	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 Hiwanj
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-September-2025

Report No.:-	ALPL/08102025/3-7	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-49 to 56
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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	Dumerkholi/ Nr. Mining Area	01.09.2025	62.8	20.8	12.6	20.2	BLQ (LOQ-0.5)
		04.09.2025	62.5	24.5	11.5	23.8	BLQ (LOQ-0.5)
		09.09.2025	69.3	28.4	11.8	19.4	BLQ (LOQ-0.5)
		12.09.2025	63.4	22.5	14.9	21.7	BLQ (LOQ-0.5)
		17.09.2025	63.3	25.1	14.2	19.5	BLQ (LOQ-0.5)
		18.09.2025	65.8	21.5	10.3	17.5	BLQ (LOQ-0.5)
		23.09.2025	61.8	25.6	11.6	20.4	BLQ (LOQ-0.5)
		29.09.2025	63.4	26.4	15.8	24.1	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 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-7	Dumerkholi/ Nr. Mining Area	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 Hiwanj
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-September-2025

Report No.:-	ALPL/08102025/3-8	Report Date:-	08.10.2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Tatijharia, Post Jamira, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/01102025/ENV-3/96-57 to 64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	01.10.2025
Test Started On:-	02.10.2025	Test Completed On:-	05.10.2025
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	Sairaidh Campus	01.09.2025	58.9	19.8	10.5	17.4	BLQ (LOQ-0.5)
		04.09.2025	52.4	20.3	14.3	20.4	BLQ (LOQ-0.5)
		09.09.2025	53.9	23.4	17.2	25.8	BLQ (LOQ-0.5)
		12.09.2025	55.1	20.5	13.3	24.1	BLQ (LOQ-0.5)
		17.09.2025	60.6	25.4	9.8	21.6	BLQ (LOQ-0.5)
		18.09.2025	54.6	18.9	11.5	25.8	BLQ (LOQ-0.5)
		23.09.2025	59.8	20.4	15.3	21.4	BLQ (LOQ-0.5)
		29.09.2025	50.2	21.4	12.4	20.8	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 /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-8	Sairaidh Campus	01.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04.09.2025	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)
		12.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17.09.2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18.09.2025	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)
		29.09.2025	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 Hiwanj
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

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.

बड़े-छोटे जुआरी एक ही दिन पकड़े गए

