



Ref. HIL/SBM/MoEF&CC/ 71 /2025

Date: 27-05-2025

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

Sub: - Status of compliance of EC condition (Half yearly status of compliance report) in respect of Kudag Bauxite Mine (Lease area- 377.116 Ha.) of M/s Hindalco Industries Limited of Chhattisgarh state for the period from October 2024 – March 2025.

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

Dear Sir,

We do herewith submit half yearly status of EC compliance report in respect of Kudag Bauxite Mine, Lease area – 377.116 Ha, of M/s Hindalco Industries Limited P.O- Kusmi, Dist.- Balrampur- Ramanujganj, Chhattisgarh state, PIN-497224 for the period from October 2024 – March 2025. The lease details are as below: -

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

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

Thanking you,

Yours's faithfully

For, Hindalco Industries Limited

(Sanjay Pardhi)
Agent of Mines

Encl.: As Above

CC: moef.ddn@gmail.com; apccfcentral-ngp-mef@gov.in; eccompliance-cg@gov.in; cpcb.bhopal@gov.in; hocecb@gmail.com;

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

REGISTERED OFFICE
21st Floor, One International Center Tower 4,
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Telephone +91 22 694 7 7000 / 6947 7150
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Website : www.hindalco.com
E-mail : hindalco@adityabirla.com
Corporate Identity No. : L27020MH1958PLC011238

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

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

Period of compliance Report : 1st October 2024 to 31st March 2025.

A. Specific Conditions

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

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

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

Reply to Condition 2: Noted.

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

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

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

Reply to Condition 4: The mining operation is restricted to well above ground water table. As per our current mining operation, ultimate depth of working is about 15 meters below. Piezometer has been installed at strategic location in the lease area to monitor the Ground water level, the average depth of which is 30-35m. The ground water table is below the depth of our mining operation Hence there is no intersection of groundwater level during course of mining operation. We undertake that no mining operation is being and will be carried out below the water table.

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

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



Topsoil Spreading for Backfilling

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

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



Old Inactive Dump Plantation

Condition-7: Garland drains shall be constructed to arrest silt and sediment flows from soil and mineral dump. The water so collected shall be utilized for watering the mine area, roads, greens belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years' data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garlands drains and desilted at regular intervals.

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



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

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

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

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

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

Reply to Condition 10: We have already achieved the target area asked for plantation. However, we are continuing the plantation to restore the biodiversity. During FY 2024-25, a total of 4590 nos. of saplings have been planted over an area of 1.868 ha. and in total till now about 60.761 ha. area has been afforested with approx. 148205 nos. of saplings.

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



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

Reply to Condition 11: The ground water table does not intersect our mining operation because of shallow depth of mining. Piezometer has been installed at strategic location in our lease area for monitoring the ground water level, the average depth of which is 30-35m. However, Rain water harvesting structure (Ponds and Wells) has been constructed as conservation measures in mined out area for the conservation/augmentation of ground water resources.



RWH Pond & Well Structure

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

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



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

Reply to Condition 13: Ground water quality monitoring is being carried out regularly on quarterly basis. The analysis reports are being submitted to CECB, Raipur. Regular monitoring of ground water level is being carried out by piezometer installed at strategic location-in the lease area and is found below the level of mining operation. The ground water Quality report and the GW level data is attached in *Annexure – D*.

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

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

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

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

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

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

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

Condition-17: Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.

Reply to Condition 17: Regular and periodic maintenance of HEMM is being carried out for control of vehicular emission in mines area. The bauxite ore are transported in trucks with tarpaulin cover upto EUP/Railway siding. Vehicle used for transportation are having valid permit. No overloading of ores for transportation is allowed to prevent spillage of material.



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

Reply to Condition 18: To encourage and improve local economics company has taken several initiative programme, where local people are being trained to perform different activities viz, making of soaps, detergents, candles, making of leaf plates etc. Under CSR activities SHG groups are formed, in total there are 30 nos of SHGs and 302 Beneficiaries who are directly engaged in income generation activities. *Detailed list of SHG is enclosed as Annexure F.*

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

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

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

Reply to Condition 20: We accept the condition. A progressive mine closure plan approved by IBM is in place. IBM is competent authority to approve the final mine closure plan. Based on the present resource estimate, and peak rated production capacity, the tentative balance life of mine is

around 27 years. However, after completion of further detailed exploration programme and geological investigation, the balance life of mine is subject to change with respect to EC Capacity and cut –off grade of mineral at that 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/scheme) prepared for the mine is being followed.

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

Reply to Condition 3: The suggestions of local forest department are being implemented for conservation of flora and fauna in and around lease hold area. Important 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.
- e) Controlled blasting is being carried out so as reduce vibration and noise. Such operation is being carried out in day time only and its use is minimized.
- f) Plantation is regular activity.

Condition-4: Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO₂, Nox, monitoring. Location of the stations should

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

Reply to Condition 4: Ambient Air quality monitoring is being carried out as per the guideline and is being followed. For this purpose, we have already appointed a NABL accredited laboratory M/s. Anacon Laboratories Pvt. Ltd. for conducting regular environmental monitoring. Analysis Report (from October 2024 to March 2025) is enclosed as **Annexure-G**.

Condition-5: Data on ambient air quality (RPM, SPM, SO₂, 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. Ambient air quality report for the month October 2024 to March 2025 is enclosed as **Annexure-G**.

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

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



Black top access road to the mines

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

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

Condition-8: Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 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 waste water generated from the mining operation. So, there is no liquid discharge from mine. A minimal quantity of waste water generated from workshop during vehicle maintenance, for which oil and grease separation pits are provided for the treatment. The treated water is being used for dust suppression in haul road.

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

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

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

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

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

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

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

Condition-13 The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other 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 the detail Expenditure is attached as *Annexure-J*.

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

Condition-15: The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/ monitoring reports.

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

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

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

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

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

Condition-18: The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic> and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.

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

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

Reply to Condition 19: Noted.

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

Reply to Condition 20: Noted.

कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी प्रबंधन एवं जंगल निवेदन)
संरक्षण सह मुख्य वन्यप्राणी अभिरक्षक, छत्तीसगढ़

अरण्य भवन, मेडिकल कॉलेज रोड, रायपुर

ईमेल - pccfw@nsnity.com

फोन 0771-2552228, Fax 0771-2552227

क्रमांक/व.प्र./प्रबंध-12/13/2767

रायपुर दिनांक 07/10/2013

प्रति,

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

विषय :- छत्तीसगढ़ के बलरामपुर जिले (तत्कालीन सरगुजा जिला) में स्थित सामरी 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।

2. वर्तमान प्रस्ताव में उपरोक्त क्षेत्र में वन्य प्राणी संरक्षण के लिए 10,000 TPA से बढ़ाकर 50,000 TPA किया जाना, कुदरत के लिए 10,000 TPA से बढ़ाकर 50,000 TPA किया जाना एवं तटीय क्षेत्रों के लिए 50,000 TPA से बढ़ाकर 4,00,000 TPA किया जाना प्रस्तावित है। भारत सरकार पर्यावरण व वन मंत्रालय के द्वारा उपरोक्त सूची में वन्य प्राणी संरक्षण की स्वीकृति क्रमांक J-11015/353/2007-IA.II/M दिनांक 27 जुलाई 2007, J-11015/354/2007-IA.II/M दिनांक 27 जुलाई 2007 एवं J-11015/337/2007-IA.II/M दिनांक 9 अगस्त 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 चाही गयी। वन संरक्षक ने अपने पत्र क्रमांक 749 दिनांक 24.05.2012 से यह जानकारी उपलब्ध कराया है कि उक्त क्षेत्र में हाथियों का वर्ष 2005-में दो बार, वर्ष 2006 में आठ बार, 2007 में एक बार, 2008 में दो बार, 2009 में सात बार आना जाना हुआ है। इसी प्रकार भालुओं के द्वारा वर्ष 2007-08 में आठ, वर्ष 2008-09 में पाँच, वर्ष 2009-10 में छः एवं 2010-11 में 4 जनहानि व जनघायल के प्रकरण तथा वर्ष 2007-08 तथा 2008-09 में तेंदुआ द्वारा पशु हानि के दो प्रकरण तथा लकड़बग्घे के कारण एक प्रकरण दर्ज किये गये हैं। इस प्रकार वन्य प्राणी (संरक्षण) अधिनियम के शेड्यूल 1 के उपरोक्त उल्लेखित वन्य प्राणियों के परियोजना क्षेत्र में आने जाने के प्रमाण पाये गये हैं। प्रस्तावित क्षेत्र से 6 से 7 कि.मी. की दूरी पर झारखंड राज्य में भेड़िया अभ्यारण्य भी स्थापित है। अतः संस्था द्वारा दस वर्षों के लिये वन्य प्राणी संरक्षण व प्रबंध योजना श्री पी. के. सेन पूर्व वन्य प्राणी अभिरक्षक, झारखंड से तैयार कराया जाकर प्रस्तुत किया गया है। जिसका समग्र व विस्तृत अध्ययन किया गया। प्रबंधन योजना में प्रस्तावित प्रबंधन संबंधित मुख्य गतिविधियों का विवरण निम्नानुसार है।
5. योजना में वन्य प्राणियों के लिये जलग्रहण क्षेत्र विकास, रहवास-विकास, पेयजल व्यवस्था, विभाग के क्षेत्रीय अमले के सहयोग से क्षेत्र में पेट्रोलिंग व मॉनिटरिंग, अग्नि सुरक्षा, ईको विकास की गतिविधियों, स्थानीय ग्रामीणों के लिये आजीविका सृजन, टीकाकरण, जनजागृति कार्यक्रम जैसी गतिविधियों का

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

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

जमा की जायत रु. 160.00 लाख की जायत होगी। परियोजना के क्रियान्वयन के समय जो भी जायत आयती है उसे परियोजना परियोजना को वन विभाग में एकमुश्त जमा करानी होगी। जिससे मुख्य वृद्धि के प्रभाव को समाप्त किया जा सका। वन विभाग एकमुश्त जमा की गई राशि से वन्यप्राणी संरक्षण योजना क्रियान्वित करेगा।

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

संलग्न:-उपरोक्तानुसार।

Aprabh ash
(रामप्रकाश) 04/11/13

प्रधान मुख्य वन संरक्षक (वन्यप्राणी)
छत्तीसगढ़, रायपुर

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

रायपुर दिनांक 04/10/2013

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

Aprabh ash
प्रधान मुख्य वन संरक्षक (वन्यप्राणी) 04/11/13
छत्तीसगढ़, रायपुर

SAMRI BAUXITE MINE

Annexure - B

Annexure-6
Details of Flora and Fauna

समावेश करने हूये 04 वर्षों के निम्नलिखित कार्य प्रस्तावित प्रबंधन की गयी है। जिसका क्रियान्वयन वन विभाग के द्वारा किया जायेगा। प्रस्तावित पाठ्यक्रम का विवरण निम्नांकित है -

Sr. No.	Works to be done	Cost for Four years (Rs. in lakhs)					Remarks
		1 st Year	2 nd Year	3 rd Year	4 th Year	Total	
1	Plantation including soil and moisture Conservation works as per norms of forest department surrounding the lease hold	5.00	5.00	5.00	5.00	20.00	
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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>	Babul	Mimosaceae
<i>Leucena leucophloe</i>	Sabul	Mimosaceae
<i>Mangifera indica</i>	Aam	Anacardiaceae
<i>Citrus lemon</i>	Nimbu	Rutaceae
<i>Emblica officinalis</i>	Amli	Euphorbiaceae
<i>Ficus hispida</i>	Jungli anjir	Moraceae
<i>Spondias cythera</i>	Kathjamun	Myrtaceae
<i>Terminalia catapa</i>	Badam	Combretaceae
<i>Apluda mutica</i>	Grass	Poaceae
<i>Chloris dolichosta</i>	Grass	Poaceae
<i>Dichanthium annulatum</i>	Grass	Poaceae
<i>Imperata cylindrica</i>	Grass	Poaceae
<i>Themeda quadrivalvis</i>	Grass	Poaceae
<i>Aristida adscensionis</i>	Grass	Poaceae
<i>Eragrostis biferia</i>	Grass	Poaceae
<i>Eragrostis tenella</i>	Grass	Poaceae
<i>Setaria glauca</i>	Grass	Cyperaceae
<i>Thysanolaena maxima</i>	Grass	Graminae
<i>Parthenium hysterophorus</i>	Congress grass	Compositae
<i>Cassia tora</i>	-	Caesalpinaceae
<i>Delonix regia</i>	Kachnar	Caesalpinaceae
<i>Dalbergia Sissoo</i>	Sisoo	Caesalpinaceae

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

Sr. No.	Technical Name	Family	Life Form
I. Agricultrual Crops			
1	<i>Hordium vulgare</i>	Poaceae	Hemicryptophyte
2	<i>Sorghum vulgare</i>	Poaceae	Hemicryptophyte
3	<i>Triticum vulgare</i>	Poaceae	Hemicryptophyte
4	<i>Zea mays</i>	Poaceae	Hemicryptophyte
5	<i>Oryza sativa</i>	Poaceae	Hemicryptophyte
6	<i>Pennisetum typhoideum</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 hypogea</i>	Fabaceae	Geophyte
12	<i>Catharanthes pusillus</i>	Compositae	Therophyte
13	<i>Cicer arietinum</i>	Fabaceae	Hemicryptophyte
14	<i>Citrus lemon</i>	Rutaceae	Therophyte
15	<i>Colocasia esculenta</i>	Araceae	Geophyte
16	<i>Coreandrum sativum</i>	Umbelliferae	Hemicryptophyte
17	<i>Daucus carota</i>	Umbelliferae	Geophyte
18	<i>Lycopersicum esculentus</i>	Solanaceae	Therophyte
19	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
20	<i>Momordia charantia</i>	Cucurbitaceae	Therophyte
21	<i>Pisum sativum</i>	Fabaceae	Therophyte
22	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
23	<i>Solanum tuberosum</i>	Solanaceae	Geophyte
24	<i>Litchi chinensis</i>	Sapindaceae	Phanerophyte
III. Plantations			
25	<i>Bauhinia cormbosa</i>	Caesalpinaceae	Phanerophyte
26	<i>Acacia nilotica</i>	Mimosaceae	Phanerophyte
27	<i>Albizia lebbek</i>	Mimosaceae	Phanerophyte
28	<i>Albizia odorattissima</i>	Mimosaceae	Phanerophyte
29	<i>Albizia procera</i>	Mimosaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
30	<i>Azadirachta indica</i>	Meliaceae	
31	<i>Bauhinia variegata</i>	Caesalpinaceae	Phanerophyte
32	<i>Bauhinia purpuria</i>	Caesalpinaceae	Phanerophyte
33	<i>Bambusa arundanaceae</i>	Poaceae	Phanerophyte
34	<i>Butea monosperma</i>	Caesalpinaceae	Phanerophyte
35	<i>Butea frondosa</i>	Caesalpinaceae	Phanerophyte
36	<i>Eucalyptus sp</i>	Myrtaceae	Phanerophyte
37	<i>Delonix regia</i>	Caesalpinaceae	Phanerophyte
38	<i>Leucena leucophloe</i>	Caesalpinaceae	Phanerophyte
IV. Natural Vegetation/Forest Type			
39	<i>Abrus precatorius</i>	Fabaceae	
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 intinsia</i>	Mimosaceae	Phanerophyte
45	<i>Acacia fernacea</i>	Mimosaceae	Phanerophyte
46	<i>Acacia leucophloe</i>	Mimosaceae	Phanerophyte
47	<i>Acalypha lanceolata</i>	Euphorbiaceae	Therophyte
48	<i>Acanthospermum hispidum</i>	Compositae	Therophyte
49	<i>Achyranthes aspera</i>	Amaranthaceae	Therophyte
50	<i>Adathoda vasica</i>	Acanthaceae	Therophyte
51	<i>Adina cordifolia</i>	Rubiaceae	Therophyte
52	<i>Aegle marmelos</i>	Rutaceae	Phanerophyte
53	<i>Aerva lanata</i>	Compositae	Phanerophyte
54	<i>Ageratum conyzoides</i>	Compositae	Therophyte
55	<i>Ailanthus excelsa</i>	Simaroubaceae	Phanerophyte
56	<i>Alangium salivus</i>	Alangiceae	Phanerophyte
57	<i>Albizia odoratissima</i>	Caesalpinaceae	Phanerophyte
58	<i>Albizia procera</i>	Caesalpinaceae	Phanerophyte
59	<i>Alstonia scholaris</i>	Apocyanaceae	Phanerophyte
60	<i>Alternanthera sessilis</i>	Amaranthaceae	Therophyte
61	<i>Alysicarpus hamosus</i>	Fabaceae	Therophyte
62	<i>Anogeissus latifolia</i>	Combretaceae	Phanerophyte
63	<i>Anogeissus sericea</i>	Combretaceae	Phanerophyte
64	<i>Argemone mexicana</i>	Papevaraceae	Phanerophyte
65	<i>Azadirachta indica</i>	Meliaceae	Phanerophyte
66	<i>Barleria prionolites</i>	Acanthaceae	Therophyte
67	<i>Bidens biternata</i>	Compositae	Therophyte
68	<i>Blepharis asperima</i>	Acanthaceae	Phanerophyte
69	<i>Blepharis madaraspatis</i>	Compositae	Therophyte
70	<i>Blumea lacera</i>	Nyctaginaceae	Therophyte
71	<i>Boerheavia chinensis</i>	Nyctaginaceae	Therophyte
72	<i>Boerheavia diffusa</i>	Bombacaceae	Therophyte
73	<i>Bombax ceiba</i>	Rubiaceae	Phanerophyte
74	<i>Borreria hispida</i>	Rubiaceae	Therophyte
75	<i>Borreria stricta</i>	Burseraceae	Therophyte
76	<i>Boswellia serrata</i>	Cruciferae	Phanerophyte
77	<i>Brassica camprestis</i>	Euphorbiaceae	Therophyte
78	<i>Bridelia retusa</i>	Euphorbiaceae	Phanerophyte
79	<i>Bridelia superba</i>	Caesalpinaceae	Phanerophyte
80	<i>Caesalpinia pulcherima</i>	Asclpiadaceae	Phanerophyte
81	<i>Calotropis procera</i>	Rubiaceae	Phanerophyte
82	<i>Canthium diddynam</i>	Capparidaceae	Therophyte
83	<i>Capparis aphylla</i>	Capparidaceae	Phanerophyte
84	<i>Capparis deciduas</i>	Apocyanaceae	Phanerophyte
85	<i>Carissa carandus</i>	Apocyanaceae	Phanerophyte
86	<i>Carissa spinarium</i>	Samydiaceae	Phanerophyte
87	<i>Casearia graveolens</i>	Caesalpinaceae	Phanerophyte
88	<i>Cassia absus</i>	Caesalpinaceae	Therophyte
89	<i>Cassia auriculata</i>	Caesalpinaceae	Therophyte
90	<i>Cassia occidentalis</i>	Caesalpinaceae	Therophyte
91	<i>Cassia tora</i>	Caesalpinaceae	Therophyte
92	<i>Cestrum diurnum</i>	Rubiaceae	Phanerophyte
93	<i>Cestrum nocturnum</i>	Rubiaceae	Therophyte
94			

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 medicagenia</i>	Fabaceae	Therophyte
102	<i>Croton bonplandinum</i>	Amariyllidaceae	Therophyte
103	<i>Cuscuta reflexa</i>	Cuscutaceae	Epiphyte
104	<i>Datura fastulosa</i>	Solanaceae	Therophyte
105	<i>Datura metal</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 prostrate</i>	Compositae	Hemicryptophyte
111	<i>Emblia officinale</i>	Euphorbiaceae	Phanerophyte
112	<i>Emilia lajerium</i>	Compositae	Hemicryptophyte
113	<i>Erythrina indica</i>	Papilionaceae	Phanerophyte
114	<i>Euphorbia geniculata</i>	Euphorbiaceae	Therophyte
115	<i>Euphorbia hirta</i>	Euphorbiaceae	Therophyte
116	<i>Euphorbia hyperocifolia</i>	Euphorbiaceae	Therophyte
117	<i>Euphorbia neruri</i>	Euphorbiaceae	Therophyte
118	<i>Euphorbia nivula</i>	Euphorbiaceae	Therophyte
119	<i>Euphorbia piluliflora</i>	Euphorbiaceae	Hemicryptophyte
120	<i>Euphorbia tricauli</i>	Euphorbiaceae	Hemicryptophyte
121	<i>Evolvulus alsinoides</i>	Convolvulaceae	Therophyte
122	<i>Evolvulus numularis</i>	Convolvulaceae	Therophyte
123	<i>Feronia elephantum</i>	Rutaceae	Phanerophyte
124	<i>Ficus benghalensis</i>	Moraceae	Phanerophyte
125	<i>Ficus carica</i>	Moraceae	Phanerophyte
126	<i>Ficus glomerata</i>	Moraceae	Phanerophyte
127	<i>Ficus hispida</i>	Moraceae	Phanerophyte
128	<i>Ficus racemosus</i>	Moraceae	Phanerophyte
129	<i>Ficus religiosa</i>	Moraceae	Phanerophyte
130	<i>Ficus gibbosa</i>	Moraceae	Phanerophyte
131	<i>Gardenia latifolia</i>	Rubiaceae	Phanerophyte
132	<i>Gardenia lucida</i>	Rubiaceae	Phanerophyte
133	<i>Garuga pinnata</i>	Burseraceae	Phanerophyte
134	<i>Glossocardia boswellia</i>	Compositae	Hemicryptophyte
135	<i>Gmelina arborea</i>	Rubiaceae	Phanerophyte
136	<i>Gomphrena globosa</i>	Amaranthaceae	Therophyte
137	<i>Gossypium herbaceum</i>	Malvaceae	Therophyte
138	<i>Grewia abutifolia</i>	Tiliaceae	Phanerophyte
139	<i>Grewia salivifolia</i>	Tiliaceae	Phanerophyte
140	<i>Grewia subinaqualis</i>	Tiliaceae	Phanerophyte
141	<i>Gynandropis gynandra</i>	Capparidaceae	Hemicryptophyte
142	<i>Helictis isora</i>	Rubiaceae	Phanerophyte
143	<i>Heliotropium indicum</i>	Rubiaceae	Hemicryptophyte
144	<i>Heliotropium ovalifolium</i>	Rubiaceae	Hemicryptophyte
145	<i>Hemidesmus indicus</i>	Asclepiadaceae	Phanerophyte
146	<i>Hibiscus caesus</i>	Malvaceae	Hemicryptophyte
147	<i>Holarrhena antidycenterica</i>	Asclepiadaceae	Phanerophyte
148	<i>Holostemma annularia</i>	Asclepiadaceae	Phanerophyte
149	<i>Hygrophylla auriculata</i>	Acanthaceae	Hemicryptophyte
150	<i>Hyptis suavealens</i>	Labiatae	Therophyte
151	<i>Ichnocarpus frutens</i>	Poaceae	Hemicryptophyte
152	<i>Impatiens balasamania</i>	Balsaminaceae	Therophyte
153	<i>Indigofera hirsute</i>	Caesalpinaceae	Therophyte
154	<i>Indigofera limnacea</i>	Caesalpinaceae	Therophyte
155	<i>Indigofera tinctoria</i>	Caesalpinaceae	Therophyte
156	<i>Ipomea aquatica</i>	Convolvulaceae	Hydrophyte
157	<i>Ipomea coccinea</i>	Convolvulaceae	Therophyte
158	<i>Ipomea tuba</i>	Convolvulaceae	Hemicryptophyte
159	<i>Ixora arborea</i>	Rubiaceae	Phanerophyte
160	<i>Ixora parviflora</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 suffraticosa</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 coramandalica</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>Leptodenia reticulata</i>	Asclepiadaceae	Phanerophyte
175	<i>Leucas aspera</i>	Labiatae	Therophyte
176	<i>Leucas longifolia</i>	Labiatae	Therophyte
177	<i>Leucas longifolia</i>	Labiatae	Therophyte
178	<i>Leucena leucophloe</i>	Caesalpinaceae	Phanerophyte
179	<i>Linderbergia indica</i>	Scrophulariaceae	Therophyte
180	<i>Lindenbergia ciliata</i>	Scrophulariaceae	Therophyte
181	<i>Lophophora tridatus</i>	Scrophulariaceae	Geophyte
182	<i>Luffa acutangulata</i>	Cucurbitaceae	Therophyte
183	<i>Lycopersicum esculentus</i>	Solanaceae	Therophyte
184	<i>Madhuca latifolia</i>	Sapotaceae	Phanerophyte
185	<i>Mallotus philippinus</i>	Euphorbiaceae	Phanerophyte
186	<i>Malvastrum coramandalicum</i>	Malvaceae	Therophyte
187	<i>Mangifera indica</i>	Anacardiaceae	Phanerophyte
188	<i>Marselia quadrifolia</i>	Marseliaceae	Phanerophyte
189	<i>Melia azadirachta</i>	Meliaceae	Phanerophyte
190	<i>Memordica diocea</i>	Cucurbitaceae	Therophyte
191	<i>Merremia emerginata</i>	Convolvulaceae	Therophyte
192	<i>Michaelia champaca</i>	Annonaceae	Phanerophyte
193	<i>Millingtonia hirta</i>	Bignoniaceae	Phanerophyte
194	<i>Mimosa hamata</i>	Mimosaceae	Therophyte
195	<i>Mitragyna parviflora</i>	Rubiaceae	Phanerophyte
196	<i>Mollugo cerviana</i>	Aizoaceae	Therophyte
197	<i>Mollugo hirta</i>	Aizoaceae	Therophyte
198	<i>Moringa oleifera</i>	Moringaceae	Phanerophyte
199	<i>Morus alba</i>	Moraceae	Phanerophyte
200	<i>Mucuna prurita</i>	Papilionaceae	Hemicryptophyte
201	<i>Murraya exotica</i>	Rutaceae	Phanerophyte
202	<i>Murraya koenigii</i>	Rutaceae	Phanerophyte
203	<i>Musa paradisiaca</i>	Musaceae	Therophyte
204	<i>Nymphaea sp</i>	Magnoliaceae	Hydrophyte
205	<i>Ocimum americanum</i>	Labiatae	Therophyte
206	<i>Ocimum basilicum</i>	Labiatae	Therophyte
207	<i>Ocimum canum</i>	Labiatae	Therophyte
208	<i>Ocimum sanctum</i>	Labiatae	Therophyte
209	<i>Oldenlandia umbellata</i>	Convolvulaceae	Therophyte
210	<i>Oldenlandia corymbosa</i>	Rubiaceae	Therophyte
211	<i>Ooegonia oojensis</i>	Papilionaceae	Phanerophyte
212	<i>Opuntia dillenii</i>	Opuntiaceae	Therophyte
213	<i>Opuntia elator</i>	Cactaceae	Therophyte
214	<i>Oxalis corniculata</i>	Oxalidaceae	Therophyte
215	<i>Panicum milliria</i>	Poaceae	Hemicryptophyte
216	<i>Panicum notatum</i>	Poaceae	Hemicryptophyte
217	<i>Papaver somniferum</i>	Papaveraceae	Hemicryptophyte
218	<i>Parkinsonia aculeata</i>	Mimosaceae	Phanerophyte
219	<i>Parthenium hysterophorus</i>	Compositae	Therophyte
220	<i>Paspalum strobilanthus</i>	Passifloraceae	Hemicryptophyte
221	<i>Passiflora foetida</i>	Passifloraceae	Phanerophyte
222	<i>Pavonia zeylanica</i>	Malvaceae	Phanerophyte
223	<i>Peltophorum ferruginum</i>	Caesalpinaceae	Phanerophyte
224	<i>Phoenix aculis</i>	Palmae	Phanerophyte
225	<i>Phyllanthus asperulatus</i>	Euphorbiaceae	Phanerophyte
226	<i>Phyllanthus emblica</i>	Euphorbiaceae	Phanerophyte

Sr. No.	Technical Name	Family	Life Form
227	<i>Phyllanthes niruri</i>	Euphorbiaceae	Therophyte
228	<i>Phyllanthes reticulatus</i>	Euphorbiaceae	Therophyte
229	<i>Physalis minima</i>	Solanaceae	Therophyte
230	<i>Pithecolobium dulce</i>	Mimosaceae	Phanerophyte
231	<i>Polyalthia longifolia</i>	Annonaceae	Phanerophyte
232	<i>Polygala ererptera</i>	Polygalaceae	Therophyte
233	<i>Pongamia pinnata</i>	Fabaceae	Phanerophyte
234	<i>Portulaca oleracea</i>	Portulacaceae	Therophyte
235	<i>Psidium guava</i>	Myrtaceae	Phanerophyte
236	<i>Punica granatum</i>	Puniaceae	Therophyte
237	<i>Randia dumetorum</i>	Rubiaceae	Phanerophyte
238	<i>Rosa indica</i>	Rosaceae	Therophyte
239	<i>Rosa machata</i>	Rosaceae	Therophyte
240	<i>Saccharum munja</i>	Poaceae	Hemicryptophyte
241	<i>Saccharum officinarum</i>	Poaceae	Therophyte
242	<i>Salmalia malabarica</i>	Salmaliaceae	Phanerophyte
243	<i>Sapindus emarginatus</i>	Sapindaceae	Phanerophyte
244	<i>Schleichera trijuga</i>	Combretaceae	Phanerophyte
245	<i>Schrebera swietenoides</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 acuminifolia</i>	Malvaceae	Hemicryptophyte
251	<i>Solanum nigrum</i>	Solanaceae	Therophyte
252	<i>Solanum xanthocarpum</i>	Solanaceae	Therophyte
253	<i>Sterculia villosa</i>	Tiliaceae	Therophyte
254	<i>Stereospermum chelinoides</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 purpuria</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>Triagus biflorus</i>	Poaceae	Hemicryptophyte
265	<i>Tribulus terrestris</i>	Zygophyllaceae	Therophyte
266	<i>Tridax procumbens</i>	Compositae	Therophyte
267	<i>Triumferta pilosa</i>	Tiliaceae	
268	<i>Vernonia cinera</i>	Compositae	Therophyte
269	<i>Vicoa 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>Vivevera zizanoides</i>	Poaceae	Therophyte
274	<i>Wrightia tomentosa</i>	Apocyanaceae	Phanerophyte
275	<i>Xanthium strumarium</i>	Compositae	Therophyte
276	<i>Yucca gloriosa</i>	Agavaceae	Therophyte
277	<i>Zizyphus jujube</i>	Rhamnaceae	Phanerophyte
278	<i>Zizyphus mauritiana</i>	Rhamanaceae	Phanerophyte
V. Grasslands			
279	<i>Apluda mutica</i>	Poaceae	Hemicryptophyte
280	<i>Chloris dolichosta</i>	Poaceae	Hemicryptophyte
281	<i>Cyanodactylon sp</i>	Poaceae	Geophyte
282	<i>Dichanthium annulatum</i>	Poaceae	Hemicryptophyte
283	<i>Inpurta cylindrica</i>	Poaceae	Hemicryptophyte
284	<i>Sachharum spontaneum</i>	Poaceae	Hemicryptophyte
285	<i>Themeda quadrivalvis</i>	Poaceae	Hemicryptophyte
286	<i>Aristida adscensionis</i>	Poaceae	Hemicryptophyte
287	<i>Cenchrus ciliaris</i>	Poaceae	Therophyte
288	<i>Cenchrus setifera</i>	Poaceae	Therophyte
289	<i>Cymbopogon jwarancusa</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>Dactylectinium annualatum</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>Eulaliopsis binata</i>	Graminae	Hemicryptophyte
300	<i>Thysanolaena 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>	Cattle egret	Sch-IV
<i>Eudynamys scolopacea</i>	Indian koel	Sch-IV
<i>Meops philippinus philippinus</i>	Bluetailed bee-eater	Sch-IV
<i>Dinopium benghalense tehminae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
Butterflies		
<i>Hypolimnas bolina Lin.</i>	Common glassy	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Neptis hylas Moore</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Parantica aglea Stoll.</i>	Glassy tiger	-
Mammals		
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus surofa</i>	Wild pig	Sch-III
<i>Herpestes edwardii</i>	Common mongoose	Sch-IV
<i>Vulpus benghalensis</i>	Wild fox	Sch-II
<i>Hystrix indica</i>	Porcupine	Sch-IV

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

Technical Name	English Name/Local Name	Wild Life Protection Act (1972) 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>Dupetor flavicollis</i>	Black bittern	Sch-IV
<i>Ardea alba modesta</i>	Large egret	Sch-IV
<i>Bubulcus ibis coromandus</i>	Cattle egret	Sch-IV
<i>Milvus migrans govinda</i>	Common pariah kite	Sch-IV
<i>Haliastur indus indus</i>	Brahminy kite	Sch-IV
<i>Vanellus indicus indicus</i>	Redwattled lapwing	Sch-IV
<i>Tringa hypoleucos</i>	Common sandpiper	Sch-IV
<i>Gelochelidon nilotica nilotica</i>	Gullbilled tern	Sch-IV
<i>Eudynamys scolopacea</i>	Indian koel	Sch-IV
<i>Halcyon smyrnensis fusca</i>	Indian white breasted Kingfisher	Sch-IV
<i>Meops 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 tehminae</i>	Malabar golden backed Woodpecker	Sch-IV
<i>Acridotheres tristis tristis</i>	Common myna	Sch-IV
<i>Corvus splendens protegatus</i>	Ceylon house crow	Sch-IV
<i>Nectarinia minima</i>	Small sunbird	Sch-IV
<i>Nectarinia zeylonica sola</i>	Indian purple rumped sunbird	Sch-IV
<i>Arachnothera longirostris longirostris</i>	Little spinder hunter	Sch-IV
<i>Passer domesticus indicus</i>	Indian house sparrow	Sch-IV
<i>Copsychus saularis ceylonensis</i>	Southern magpie-robin	Sch-IV
<i>Orthotomus sutorius</i>	Tailor bird-guzurata	Sch-IV
<i>Pavocristatus</i>	Peacock	Part-III of Sch-I
Amphibians		
<i>Rana tigrina</i>	Common frog	Sch-IV
<i>Bufo melanostictus</i>	Toad	Sch-IV
Reptiles		
<i>Calotes versicolor</i>	Lizard	Sch-IV
<i>Calotes versicolor</i>	Common garden lizard	Sch-IV
<i>Chamaeleon zeylanicus</i>	Indian chamaeleon	Sch-II
<i>Lycodon spp.</i>	Wolf snake	Sch-III
<i>Boiga spp.</i>	Cat snake	Sch-III
<i>Bangarus spp.</i>	Krait	Sch-II
<i>Naja naja</i>	Indian cobra	Sch-III
<i>Vipera spp.</i>	Russels viper	Sch-III
<i>Phyton sp</i>	Python sp	Sch-I
Butterflies		
<i>Pachlopta hector Lin.</i>	Crimson rose	-
<i>Papilio demoleus Lin.</i>	Lime butterfly	-
<i>Graphium agamemnon Lin.</i>	Tailed jay	-
<i>Junonia almana Lin.</i>	Peacock pansy	-
<i>Hypolimnas bolina Lin.</i>	Great egg fly	-
<i>Euploea core Cramer</i>	Common crow	-
<i>Neptis hylas Moore</i>	Common sailor	-
<i>Eurema hecabe Lin.</i>	Common grass yellow	-
<i>Catopsilia sp.</i>	Emigrant	-
Mammals		
<i>Rattus sp.</i>	Rat	Sch-IV
<i>Lepus nigricollis</i>	Hare	Sch-IV
<i>Canis auries</i>	Jackal	Sch-III
<i>Presbytis entellus</i>	Langur	Sch-II
<i>Presbytis phayrei</i>	Monkey	Sch-I
<i>Funambulus spp.</i>	Squirrel	Sch-IV
<i>Funambulus palmarum</i>	Squirrel	Sch-IV
<i>Sus sucrofa</i>	Wild pig	Sch-III
<i>Rattus norvegicus</i>	Field mouse	Sch-V
<i>Rattus rattus</i>	House rat	Sch-V
<i>Rhinolopus spp.</i>	Bat	Sch-V
<i>Hipposiderus spp.</i>	Bat	Sch-V
<i>Herpestes edwardii</i>	Common mongoose	Sch-IV
<i>Bandicota indica</i>	Bandicoot	Sch-V
<i>Bandicota bengalensis</i>	Bandicoot	Sch-V
<i>Vulpus benghalensis</i>	Wild fox	Sch-III
<i>Melurus ursinus</i>	Bear	Sch-III
<i>Hystrix indica</i>	Porcupine	Sch-IV
<i>Axis axis</i>	Spotted deer	Sch-III
<i>Canis lupaspallipes</i>	Indian wolf	Part-I of Sch-I
<i>Mellivora capensis</i>	Indian Ratel	Part-I of Sch-I
<i>Elephas maximas</i>	Indian Elephant	Part-I of Sch-I
<i>Felis chaus</i>	Jungle cat	Part-II of sch-II
<i>Paradoxurus hermophroiditus</i>	Indian Small civet	Part-I of sch-I
<i>Muntiacus muntiacus</i>	Barking deer	Sch-III
<i>Macaca mulata</i>	Monkey	Part-I of Sch-I

HINDALCO INDUSTRIES LIMITED
SAMRI MINES DIVISION

Year wise /lease wise Afforestation details

Year	Kudag lease	
	No. of Saplings	Area in Ha
1998-2017	117570	49.980
2017-18	2960	1.220
2018-19	2780	1.110
2019-20	2980	1.200
2020-21	4865	2.405
2021-22	3270	0.354
2022-23	5020	1.519
2023-24	4170	1.105
2024-25	4590	1.868
Total	148205	60.761

HINDALCO INDUSTRIES LIMITED**Samri Mines Divison****Ground Water Level Data (October 2024 to March 2025)**

Kudag Mine Lease Piezometer Reading		
S No	Month	Depth (meter)
1	Oct-24	29.7
2	Nov-24	30.5
3	Dec-24	31.1
4	Jan-25	30.6
5	Feb-25	31.0
6	Mar-25	31.4



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Test Report

Test Report No.: ALPL/31122024/2-18

Dated 31/12/2024

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/23122024/MON-294- EW-2/2-1 Inward Date 23/12/2024 Reference 13562310264; 17.05.2024	Analysis Start 24/12/2024 Analysis End 31/12/2024 Sample Category Water
Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Akshay Babulkar	Sampling Date: 20/12/2024 Sampling Time: 3.15 pm	Quantity Received 5 Ltr
Sampling Location Saraidih (Hindalco Campus)		
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, Mineral Oil		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	Discipline : Biological					

☐ Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Pradhya Pillewan
Dy Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Chinmay Garway
Deputy Quality Manager

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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Akshay Babulkar		Sampling Date: 20/12/2024 Sampling Time: 3.15 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	Discipline : Chemical	Group : Residues and contaminants in water				
25	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
26	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	0.06
27	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	0.02
28	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
29	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
30	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
31	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.13
32	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
33	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
34	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
35	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
36	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
37	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	0.02
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
II	Discipline : Chemical	Group : Residues contaminants in water				
41	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)

□ Please refer last Page for Note and Remarks.

Verified By

Signatory

Authorized Signatory

Pradnya Pillewan
Deputy Technical Manager

Kashish Dhanrajani
Deputy Technical Manager

Pooja Kathane
Technical Manager

Chinnmay Garwar
Deputy Quality Manager

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Test Report No.: ALPL/31122024/2-18

Dated 31/12/2024

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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Akshay Babulkar		Sampling Date: 20/12/2024 Sampling Time: 3.15 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required , Polynuclear aromatic hydrocarbons, Trihalomethanes			

TEST RESULTS

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

□ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Akshay Babulkar		Sampling Date: 20/12/2024 Sampling Time: 3.15 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required - Pesticide Residues Organochlorine			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	Discipline : Chemical					

□ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Signatory

Pooja Kathane
Deputy Technical Manager

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager



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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Akshay Babulkar	Sampling Date: 20/12/2024 Sampling Time: 3.15 pm	Quantity Received 5 Ltr
Sampling Location Saraidih (Hindalco Campus)		
Tests required - Pesticide Residues Organophosphorus		

TEST RESULTS

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

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only.
● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #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-ANtd/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. The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinnay Garway
Deputy Quality Manager

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

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Test Report

Test Report No.: ALPL/15042025/4-3

Dated 15/04/2025

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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Akshay Babulkar		Sampling Date: 23/03/2025 Sampling Time: 3.15 pm	Sampling Location Saraidih (Hindalco Campus)
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, Mineral Oil			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	Discipline : Biological					

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanshree Hiwanj
Sr. Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garway
Deputy Quality Manager



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Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking	Quantity Received 5 Ltr
Sampled by Anacon representative Mr. Akshay Babulkar		Sampling Date: 23/03/2025 Sampling Time: 3.15 pm	Sampling Location Saraidih (Hindalco Campus)
Tests required Arsenic, Aluminium, Barium, Boron, Copper, Cadmium, Iron, Lead, Manganese, Mercury, Selenium, Total Chromium, Zinc, Polynuclear aromatic hydrocarbon (PAH), Polychlorinated biphenyls			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	Discipline : Chemical	Group : Residues and contaminants in water				
24	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	BLQ (LOQ-0.01)
25	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	0.04
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	BLQ (LOQ-0.02)
27	Boron (as B)	mg/l	IS 3025 (Part 2)	0.5	2.4	BLQ (LOQ-0.02)
28	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ (LOQ-0.02)
29	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ (LOQ-0.002)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.15
31	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ (LOQ-0.01)
32	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ (LOQ-0.02)
33	Mercury (as Hg)	mg/l	IS 3025 (Part 48)	0.001	No relaxation	BLQ (LOQ-0.001)
34	Selenium (as Se)	mg/l	IS 3025 (Part 56)	0.01	No relaxation	BLQ (LOQ-0.01)
35	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ (LOQ-0.02)
36	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)
37	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)
II	Discipline : Chemical	Group : Residues contaminants in water				
38	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)
41	Polychlorinated biphenyls					
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	BLQ (LOQ-0.03)
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',5,5'-tetrachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,5,5'-pentachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
	2,2',4,4',5,5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
2,2',3,4,4',5,5'-heptachlorobiphenyl	µg/l	ANtr/7.2/RES/04	BLQ (LOQ-0.03)			

□ Please refer last Page for Note and Remarks.

Verified By

Dhanashree Hiwanj
Sr. Technical Assistant

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Shilima Garway
Deputy Quality Manager



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Test Report

Test Report No.: ALPL/15042025/4-3

Dated 15/04/2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), Disrict: Balrampur (C.G)	Sample Inward No. ALPL/31032025/MON-241- EW-2/2-1 Inward Date 31/03/2025 Reference 13562310264; 17.05.2024	Analysis Start 01/04/2025 Analysis End 14/04/2025 Sample Category Water
Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Akshay Babulkar	Sampling Date: 23/03/2025 Sampling Time: 3.15 pm	Quantity Received 5 Ltr Sampling Location Saraidih (Hindalco Campus)
Tests required, Polynuclear aromatic hydrocarbons, Trihalomethanes		

TEST RESULTS

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

□ Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager



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Test Report

Test Report No.: ALPL/15042025/4-3

Dated 15/04/2025

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Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/31032025/MON-241- EW-2/2-1 Inward Date 31/03/2025 Reference 13562310264; 17.05.2024	Analysis Start 01/04/2025 Analysis End 14/04/2025 Sample Category Water
Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Akshay Babulkar	Sampling Date: 23/03/2025 Sampling Time: 3.15 pm	Quantity Received 5 Ltr Sampling Location Saraidih (Hindalco Campus)
Tests required - Pesticide Residues Organochlorine		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	Discipline : Chemical					

Please refer last Page for Note and Remarks.

Verified By

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Anacon Laboratories

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Test Report

Test Report No.: ALPL/15042025/4-3

Dated 15/04/2025

Page 5 of 5

Issued To : M/s Hindalco Industries Limited Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)	Sample Inward No. ALPL/31032025/MON-241- EW-2/2-1 Inward Date 31/03/2025 Reference 13562310264; 17.05.2024	Analysis Start 01/04/2025 Analysis End 14/04/2025 Sample Category Water
Sample Description Water	Sample Particulars / Details GW-1	Purpose of analysis Drinking
Sampled by Anacon representative Mr. Akshay Babulkar	Sampling Date: 23/03/2025 Sampling Time: 3.15 pm	Quantity Received 5 Ltr Sampling Location Saraidih (Hindalco Campus)
Tests required - Pesticide Residues Organophosphorus		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
IV	Discipline : Chemical					

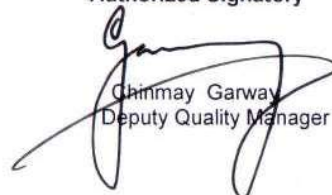
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• Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 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 for the tested parameters.

Verified By

4 
Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory


Chinmay Garway
Deputy Quality Manager

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





सत्यमेव जयते



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

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

11. Ground Water Abstraction Permitted

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

12. Details of Ground Water Abstraction /Dewatering Structures

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

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

13. No. Of Mine Pits

EXISTING	PROPOSED	TOTAL
0	0	0

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

Phase I (within 30 days)

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

Phase II (after 11 months)

HINDALCO INDUSTRIES LIMITED

Samri Bauxite Mines

Self Help Group (SHGs), Samri

No. of SHGs:	30
No of Beneficiaries:	302
No of group linked with bank:	17
Average Saving / Group – Rs.	Rs. 12,000/-
10,000/-Facility provided to groups:	Register, Passbook, Dari, Sewing Machine, Income Generation training and other exposure programme like linkages with bank and training with NRLM.
Groups engaged in income generation activities:	30

Unit: Hindalco Industries Limited, Samri Mines Division

SHGs Details (Samri)							
Sl. No	SHG Name	Village Name	District Name	No Of Members	A/C Details		Economic Activity Name
					Members Savings in Bank A/C	Bank Loan Received	
1	Gulmohar Self Help group	Amtahi	Balarampur	10	15000.00	-	Agriculture
2	Sitara Self Help Group	Amtahi	Balarampur	10	10000.00	250000.00	Stitching Centre
3	Chand Self Help Group	Amtahi	Balarampur	10	46000.00	350000.00	Stitching Centre
4	Muskan Self Help Group	Amtahi	Balarampur	10	11500.00	50000.00	Mid-day meal Program
5	Chameli Self Group	Nawatoli (Amtahi)	Balarampur	10	6900.00	-	Agriculture
6	Nirmala Self Help Group	Amtahi	Balarampur	10	5450.00	50000.00	Agriculture
7	Parwati Self Help Group	Amtahi	Balarampur	10	5500.00	-	Agriculture
8	Nigrani Self Group	Amtahi	Balarampur	10	9580.00	50000.00	Stitching Centre
9	Chandni Self Help	Amtahi	Balarampur	10	15850.00	-	Stitching Centre

	Group						
10	Swajaldhara Self Help Group	Amtahi	Balarampur	10	15000.00	-	Agriculture
11	Savitri Self Help Group	Amtahi	Balarampur	10	12580.00	-	Agriculture
12	Indira Gandhi Self Help Group	Rajendrapur	Balarampur	10	12000.00	-	Agriculture
13	Sonam Self Help Group	Rajendrapur	Balarampur	10	1752.00	-	Agriculture
14	Basanti Self Help Group	Rajendrapur (Pakritoli)	Balarampur	12	22000.00	-	Agriculture
15	Saraswati Self Help Group	Dumerkholi	Balarampur	10	12600.00	-	Agriculture
16	Chameli Self Help Group	Kutku	Balarampur	10	8000.00	-	Agriculture
17	Champa Self Help Group	Kutku	Balarampur	10	50000.00	-	Agriculture
18	Genda Self Help Group	Tutvihar, Kutku	Balarampur	10	12470.00	-	Agriculture
19	Chandra Mukhi Self Help Group	Samri (West)	Balarampur	10	5000.00	-	Agriculture
20	Tetri Devi Self Help Group	Kutku	Balarampur	10	7500.00	-	Agriculture
21	Khusbu Self Help Group	Rajendrapur (Pakritoli)	Balarampur	10	7500.00	-	Agriculture
22	Nuri Self Help Group	Saraidih	Balarampur	10	9850.00	-	Agriculture
23	Shabnam Self Help Group	Saraidih	Balarampur	10	11500.00	-	Agriculture
24	Suhana Self Help Group	Saraidih	Balarampur	10	6000.00	-	
25	Rupa Self Self-Help Group	Saraidih	Balarampur	10	11000.00	-	Agriculture
26	Sushila Self Help Group	Banjutoli	Balarampur	10	11050.00	-	Agriculture
27	Chameli Self Help Group	Bata	Balarampur	10	20000.00	-	Agriculture

28	Chameli Self Help Group	Bata (Banjutoli)	Balarampur	10	21500.00	-	Agriculture
29	Punam Self Help Group	Balapani	Balarampur	10	19500.00	-	Agriculture
30	Gulab Self Help Group	Kudag	Balarampur	10	15000.00	-	Agriculture


Mines Manager
Samri Bauxite Mines
Hindalco Industries Ltd.



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Test Report

Page 1 of 1

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-1	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Bairampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/54-1
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
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-1	Sairaidh Campus	01/10/2024	62.9	28.0	10.5	29.2	BLQ (LOQ-0.5)
		04/10/2024	60.4	26.7	9.3	22.7	BLQ (LOQ-0.5)
		08/10/2024	70.3	31.5	14.1	29.2	BLQ (LOQ-0.5)
		11/10/2024	67.9	31.2	15.2	27.8	BLQ (LOQ-0.5)
		15/10/2024	55.1	19.8	10.9	19.7	BLQ (LOQ-0.5)
		18/10/2024	64.9	31.2	13.0	26.7	BLQ (LOQ-0.5)
		22/10/2024	68.1	29.5	15.2	27.6	BLQ (LOQ-0.5)
		25/10/2024	57.9	20.0	10.8	20.2	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	Sairaidh Campus	01/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/10/2024	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

Signatory

Prachi Pilewan
Deputy Technical Manager

Authorized Signatory

Pooja Kathare
Technical Manager

Chinmay Gaway
Deputy Quality Manager

---End of Report---



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Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-2	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-2
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	01/10/2024	61.9	24.4	12.1	20.6	BLQ (LOQ-0.5)
		04/10/2024	60.7	23.3	12.6	24.5	BLQ (LOQ-0.5)
		08/10/2024	67.2	26.2	13.3	27.3	BLQ (LOQ-0.5)
		11/10/2024	57.5	22.3	12.5	19.1	BLQ (LOQ-0.5)
		15/10/2024	63.9	26.2	13.7	21.4	BLQ (LOQ-0.5)
		18/10/2024	62.1	22.7	12.1	21.0	BLQ (LOQ-0.5)
		22/10/2024	62.7	31.9	13.0	21.5	BLQ (LOQ-0.5)
		25/10/2024	57.2	22.1	12.9	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-2	New Kudag/ Nr. Weigh Bridge	01/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/10/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Keshane
Technical Manager

Authorized Signatory

Chinmay Gawray
Deputy Quality Manager

—End of Report—



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



Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-3	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-3
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS-5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	01/10/2024	62.9	24.7	15.3	29.1	BLQ (LOQ-0.5)
		04/10/2024	67.3	26.5	14.1	27.2	BLQ (LOQ-0.5)
		08/10/2024	60.2	21.4	11.7	22.0	BLQ (LOQ-0.5)
		11/10/2024	63.9	22.2	10.8	20.6	BLQ (LOQ-0.5)
		15/10/2024	68.4	25.0	13.6	21.7	BLQ (LOQ-0.5)
		18/10/2024	62.8	21.5	11.5	21.1	BLQ (LOQ-0.5)
		22/10/2024	59.7	19.9	12.3	21.5	BLQ (LOQ-0.5)
		25/10/2024	53.9	19.3	11.2	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-3	Old Kudag/ Mining Area	01/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		04/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/10/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Ganay
Deputy Quality Manager

---End of Report---

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





Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-4	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-4
Sampled by	Anacon Representative Mr. Dharmasheel Bhigade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03/10/2024	63.2	19.1	11.4	18.6	BLQ (LOQ-0.5)
		07/10/2024	61.7	21.9	11.8	21.7	BLQ (LOQ-0.5)
		10/10/2024	58.1	19.3	9.3	18.7	BLQ (LOQ-0.5)
		14/10/2024	56.3	18.7	9.4	21.4	BLQ (LOQ-0.5)
		17/10/2024	57.1	19.3	13.8	21.1	BLQ (LOQ-0.5)
		21/10/2024	59.1	21.4	11.9	26.3	BLQ (LOQ-0.5)
		24/10/2024	58.3	21.4	13.9	17.2	BLQ (LOQ-0.5)
		28/10/2024	64.7	26.1	14.7	21.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Samri-Gopatu/ Near Weigh bridge	03/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/10/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chhmay Garway
Deputy Quality Manager

—End of Report—



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Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-5	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-5
Sampled by	Anacon Representative Mr. Dharmasheel Bhogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
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	03/10/2024	64.2	26.1	13.9	24.6	BLQ (LOQ-0.5)
		07/10/2024	59.3	21.6	9.6	18.3	BLQ (LOQ-0.5)
		10/10/2024	61.8	18.1	9.4	19.3	BLQ (LOQ-0.5)
		14/10/2024	59.3	19.3	9.7	18.4	BLQ (LOQ-0.5)
		17/10/2024	56.1	19.1	11.7	24.6	BLQ (LOQ-0.5)
		21/10/2024	57.6	18.7	9.7	19.1	BLQ (LOQ-0.5)
		24/10/2024	57.3	19.3	12.8	23.9	BLQ (LOQ-0.5)
		28/10/2024	58.1	18.3	11.4	19.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /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	03/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/10/2024	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

Pradnya Pillewar
Deputy Technical Manager

Signatory

Pooja Kathape
Technical Manager

Authorized Signatory

Chinmay Ganwani
Deputy Quality Manager

---End of Report---



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Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-6	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-6
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-6	Dumerkholi/ Nr. Mining Area	03/10/2024	56.2	24.9	12.6	27.1	BLQ (LOQ-0.5)
		07/10/2024	67.1	31.7	14.1	28.6	BLQ (LOQ-0.5)
		10/10/2024	54.9	21.6	11.4	23.8	BLQ (LOQ-0.5)
		14/10/2024	61.7	24.9	9.7	17.3	BLQ (LOQ-0.5)
		17/10/2024	56.2	18.6	8.6	16.9	BLQ (LOQ-0.5)
		21/10/2024	62.8	26.1	11.9	21.8	BLQ (LOQ-0.5)
		24/10/2024	54.7	21.9	14.2	23.6	BLQ (LOQ-0.5)
		28/10/2024	51.9	19.3	9.1	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	Dumerkholi/ Nr. Mining Area	03/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/10/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garwar
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-7	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-7
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
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-5)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	02/10/2024	63.8	29.2	14.3	22.6	BLQ (LOQ-0.5)
		05/10/2024	60.5	26.8	11.6	21.7	BLQ (LOQ-0.5)
		09/10/2024	67.3	34.5	15.2	22.2	BLQ (LOQ-0.5)
		12/10/2024	62.9	29.2	11.7	23.5	BLQ (LOQ-0.5)
		16/10/2024	60.5	24.9	10.0	21.7	BLQ (LOQ-0.5)
		19/10/2024	53.9	19.5	8.8	21.2	BLQ (LOQ-0.5)
		23/10/2024	59.4	22.3	14.9	22.5	BLQ (LOQ-0.5)
		26/10/2024	61.7	21.2	13.3	19.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Tatijharia Village/ Nr.Weigh Bridge	02/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/10/2024	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

Pradnya Pilewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Ganay
Deputy Quality Manager

---End of Report---

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





Test Report

Ambient Air Quality-October-2024

Report No.:-	ALPL/31102024/2-8	Report Date:-	31/10/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-2/64-8
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade	Sample Inward Date	7,14,21,28,30 Oct-2024
Test Started On:-	7,14,21,28,30 Oct-2024	Test Completed On:-	8,15,22,29,31 October-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS 5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Virhorepat	02/10/2024	61.7	27.8	15.2	30.2	BLQ (LOQ-0.5)
		05/10/2024	60.2	24.7	13.7	23.6	BLQ (LOQ-0.5)
		09/10/2024	52.8	19.5	11.5	22.5	BLQ (LOQ-0.5)
		12/10/2024	57.4	21.4	14.0	27.0	BLQ (LOQ-0.5)
		16/10/2024	59.2	22.2	11.8	23.6	BLQ (LOQ-0.5)
		19/10/2024	54.9	20.3	10.5	22.1	BLQ (LOQ-0.5)
		23/10/2024	57.3	22.0	11.2	22.5	BLQ (LOQ-0.5)
		26/10/2024	59.2	20.7	12.0	19.0	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Virhorepat	02/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/10/2024	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

Signatory

Authorized Signatory

Snehal Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Pooja Kathane
Technical Manager

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-1	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-1
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS-5182 (Part-6)	IS-5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-1	Sairaidh Campus	05/11/2024	67.2	21.6	9.3	21.7	BLQ (LOQ-0.5)
		08/11/2024	68.3	26.1	11.3	21.9	BLQ (LOQ-0.5)
		12/11/2024	59.3	19.2	6.8	24.8	BLQ (LOQ-0.5)
		15/11/2024	64.8	26.4	13.9	18.2	BLQ (LOQ-0.5)
		19/11/2024	73.6	32.8	14.7	26.3	BLQ (LOQ-0.5)
		22/11/2024	61.7	18.3	12.6	21.4	BLQ (LOQ-0.5)
		26/11/2024	64.8	23.8	13.4	24.7	BLQ (LOQ-0.5)
		29/11/2024	62.9	23.8	11.6	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-1	Sairaidh Campus	05/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

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 endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.



Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-2	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Bairampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-2
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS-5182 (Part-6)	IS-5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	05/11/2024	64.7	21.6	9.7	21.6	BLQ (LOQ-0.5)
		08/11/2024	64.1	24.7	11.9	23.6	BLQ (LOQ-0.5)
		12/11/2024	62.8	23.6	11.4	21.3	BLQ (LOQ-0.5)
		15/11/2024	57.6	18.2	7.6	17.3	BLQ (LOQ-0.5)
		19/11/2024	64.3	34.6	11.6	24.7	BLQ (LOQ-0.5)
		22/11/2024	61.8	31.9	8.2	23.8	BLQ (LOQ-0.5)
		26/11/2024	59.2	27.3	12.9	26.3	BLQ (LOQ-0.5)
		29/11/2024	57.3	21.4	8.3	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-2	New Kudag/ Nr. Weigh Bridge	05/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garvay
Deputy Quality Manager

---End of Report---





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Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-3	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/84-3
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	05/11/2024	57.1	24.9	9.2	43.6	BLQ (LOQ-0.5)
		08/11/2024	63.8	28.4	8.4	36.2	BLQ (LOQ-0.5)
		12/11/2024	61.3	31.6	7.6	32.9	BLQ (LOQ-0.5)
		15/11/2024	59.1	27.3	11.7	42.8	BLQ (LOQ-0.5)
		19/11/2024	63.8	29.7	8.3	31.4	BLQ (LOQ-0.5)
		22/11/2024	54.3	24.9	7.6	36.1	BLQ (LOQ-0.5)
		26/11/2024	61.7	31.6	8.4	26.6	BLQ (LOQ-0.5)
		29/11/2024	57.1	26.7	11.6	32.8	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	Old Kudag/ Mining Area	05/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pillewala
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

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 endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.





Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-4	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-4
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	04/11/2024	65.8	25.9	14.1	19.3	BLQ (LOQ-0.5)
		08/11/2024	72.3	25.4	9.8	29.2	BLQ (LOQ-0.5)
		11/11/2024	69.7	30.1	10.1	24.8	BLQ (LOQ-0.5)
		15/11/2024	74.2	27.3	14.9	26.4	BLQ (LOQ-0.5)
		18/11/2024	70.9	29.5	12.8	29.1	BLQ (LOQ-0.5)
		22/11/2024	60.9	28.4	15.2	24.1	BLQ (LOQ-0.5)
		25/11/2024	62.9	26.8	11.3	28.2	BLQ (LOQ-0.5)
		29/11/2024	73.1	29.9	11.3	27.5	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	Samri-Gopatu/ Near Weigh bridge	04/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pilewan
Deputy Technical Manager

Signatory

Pooja Kathade
Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

Page 1 of 1

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-5	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-5
Sampled by	Anacon Representative Mr. Kalash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-5	Kutku Village/ Nr. V.T. Center	04/11/2024	56.3	23.9	11.6	17.8	BLQ (LOQ-0.5)
		08/11/2024	59.3	21.6	9.6	18.3	BLQ (LOQ-0.5)
		11/11/2024	62.7	19.3	8.7	17.6	BLQ (LOQ-0.5)
		15/11/2024	59.3	19.3	9.7	18.4	BLQ (LOQ-0.5)
		18/11/2024	61.8	21.6	11.3	21.9	BLQ (LOQ-0.5)
		22/11/2024	57.2	18.7	9.7	19.1	BLQ (LOQ-0.5)
		25/11/2024	62.8	23.4	11.6	24.7	BLQ (LOQ-0.5)
		29/11/2024	58.1	18.3	11.4	19.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /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	04/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

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 endeavor to make sure 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-November-2024

Report No.:-	ALPL/02122024/2-6	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-6
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
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	Dhandiapal/ Nr. Mining Area	04/11/2024	58.3	25.9	13.5	17.9	BLQ (LOQ-0.5)
		08/11/2024	57.9	24.6	12.8	15.4	BLQ (LOQ-0.5)
		11/11/2024	60.3	26.8	9.8	19.8	BLQ (LOQ-0.5)
		15/11/2024	62.8	29.6	9.6	13.2	BLQ (LOQ-0.5)
		18/11/2024	55.7	30.1	11.2	21.9	BLQ (LOQ-0.5)
		22/11/2024	59.3	27.8	10.8	23.4	BLQ (LOQ-0.5)
		25/11/2024	60.2	29.1	14.8	19.7	BLQ (LOQ-0.5)
		29/11/2024	62.2	27.5	13.6	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-6	Dhandipat/ Nr. Mining Area	04/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		08/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		22/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		29/11/2024	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

Pradnya Pilewan
Deputy Technical Manager

Signatory

Pooja Kalthane
Technical Manager

Authorized Signatory

Chinmay Ganayay
Deputy Quality Manager

---End of Report---



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor

to provide you with the best quality services, we will be continuously better than the current one. We welcome your feedback on feedback@anacon.in.



Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-7	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-7
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
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)
L	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	06/11/2024	67.3	32.9	11.6	31.9	BLQ (LOQ-0.5)
		09/11/2024	62.9	28.7	13.7	38.1	BLQ (LOQ-0.5)
		13/11/2024	57.1	21.8	9.2	26.3	BLQ (LOQ-0.5)
		16/11/2024	53.6	16.2	11.3	28.7	BLQ (LOQ-0.5)
		20/11/2024	58.9	24.7	9.7	32.6	BLQ (LOQ-0.5)
		23/11/2024	63.4	32.8	12.4	38.9	BLQ (LOQ-0.5)
		27/11/2024	57.3	28.3	11.6	27.3	BLQ (LOQ-0.5)
		30/11/2024	61.9	27.6	12.7	31.7	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	Tatijharia Village/ Nr.Weigh Bridge	06/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/11/2024	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

Pradnya Pillewar
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

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 endeavor

to provide the best quality services, we are committed to ensuring that our customers are satisfied with our services. We are constantly working to improve our services and ensure that our customers are satisfied with our services.



Test Report

Ambient Air Quality-November-2024

Report No.:-	ALPL/02122024/2-8	Report Date:-	02/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-8
Sampled by	Anacon Representative Mr. Kailash Chahande	Sample Inward Date	11, 18, 25 Nov-2024 & 2 Dec-2024
Test Started On:-	11, 18, 25 Nov-2024 & 2 Dec-2024	Test Completed On:-	12, 19, 26 Nov-2024 & 2 Dec-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Virhorepat	06/11/2024	73.9	31.6	12.7	32.4	BLQ (LOQ-0.5)
		09/11/2024	76.2	32.9	13.6	34.7	BLQ (LOQ-0.5)
		13/11/2024	69.3	28.7	11.4	26.9	BLQ (LOQ-0.5)
		16/11/2024	72.8	31.6	9.2	24.6	BLQ (LOQ-0.5)
		20/11/2024	68.2	27.2	12.8	27.3	BLQ (LOQ-0.5)
		23/11/2024	71.6	28.4	13.6	28.1	BLQ (LOQ-0.5)
		27/11/2024	64.9	21.7	9.3	18.7	BLQ (LOQ-0.5)
		30/11/2024	57.3	17.3	8.4	16.9	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-8	Virhorepat	06/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/11/2024	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

Signatory

Authorized Signatory

Snehal Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Pooja Kathane
Technical Manager

Chinmay Ganayay
Deputy Quality Manager

---End of Report---





Test Report

Page 1 of 1

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-1	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Bairampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-1
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-1	Sairaidh Campus	03/12/2024	64.9	23.8	11.6	24.3	BLQ (LOQ-0.5)
		06/12/2024	64.1	24.6	12.8	27.3	BLQ (LOQ-0.5)
		10/12/2024	62.9	28.1	14.2	31.6	BLQ (LOQ-0.5)
		13/12/2024	67.3	21.6	11.4	24.9	BLQ (LOQ-0.5)
		17/12/2024	62.9	18.3	8.7	17.3	BLQ (LOQ-0.5)
		20/12/2024	64.7	23.8	12.9	24.6	BLQ (LOQ-0.5)
		24/12/2024	58.1	18.7	9.2	19.4	BLQ (LOQ-0.5)
		27/12/2024	58.6	19.2	9.7	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-1	Sairaidh Campus	03/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/12/2024	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

Signatory

Pradnya Pilewan
Deputy Technical Manager

Authorized Signatory

Pooja Kathane
Technical Manager

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 endeavor 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-December-2024

Report No.:-	ALPL/31122024/2-2	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-2
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	03/12/2024	67.1	26.3	14.7	27.1	BLQ (LOQ-0.5)
		06/12/2024	64.1	21.8	11.4	24.9	BLQ (LOQ-0.5)
		10/12/2024	52.9	17.6	9.1	21.8	BLQ (LOQ-0.5)
		13/12/2024	58.3	19.3	9.7	18.6	BLQ (LOQ-0.5)
		17/12/2024	67.3	31.6	14.9	32.1	BLQ (LOQ-0.5)
		20/12/2024	57.3	24.9	11.6	23.8	BLQ (LOQ-0.5)
		24/12/2024	63.9	28.6	11.7	19.3	BLQ (LOQ-0.5)
		27/12/2024	62.4	23.8	12.4	26.3	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	New Kudag/ Nr. Weigh Bridge	03/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/12/2024	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

Snehil Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garwade
Deputy Quality Manager

—End of Report—



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Test Report

Page 1 of 1

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-3	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-3
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	03/12/2024	58.7	26.1	11.4	23.9	BLQ (LOQ-0.5)
		06/12/2024	61.8	28.4	12.9	24.7	BLQ (LOQ-0.5)
		10/12/2024	56.3	19.2	9.3	18.6	BLQ (LOQ-0.5)
		13/12/2024	62.7	24.7	13.6	21.9	BLQ (LOQ-0.5)
		17/12/2024	58.2	21.6	11.4	19.2	BLQ (LOQ-0.5)
		20/12/2024	54.6	16.9	9.8	18.6	BLQ (LOQ-0.5)
		24/12/2024	48.3	16.2	7.6	18.4	BLQ (LOQ-0.5)
		27/12/2024	52.9	19.3	9.1	17.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /m ³
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
AAQ-3	Old Kudag/ Mining Area	03/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/12/2024	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

Snehil Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chhmay Garway
Deputy Quality Manager

---End of Report---



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Test Report

Ambient Air Quality-December-2024

Report No.:-	ALPU/31122024/2-4	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-4
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	02/12/2024	62.8	24.7	13.9	23.7	BLQ (LOQ-0.5)
		05/12/2024	58.3	19.3	11.4	21.6	BLQ (LOQ-0.5)
		09/12/2024	56.2	23.6	12.8	23.9	BLQ (LOQ-0.5)
		12/12/2024	58.3	19.3	9.1	18.4	BLQ (LOQ-0.5)
		16/12/2024	54.1	21.6	11.3	19.2	BLQ (LOQ-0.5)
		19/12/2024	57.2	23.8	12.8	21.7	BLQ (LOQ-0.5)
		23/12/2024	64.8	26.7	14.1	23.6	BLQ (LOQ-0.5)
		26/12/2024	64.1	26.1	12.9	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-4	Samri-Gopatu/ Near Weigh bridge	02/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/12/2024	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

Pradnya Pillewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garvay
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-5	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-5
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
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	02/12/2024	54.8	21.6	12.1	19.2	BLQ (LOQ-0.5)
		05/12/2024	54.7	16.4	8.7	16.3	BLQ (LOQ-0.5)
		09/12/2024	64.8	23.9	14.1	26.3	BLQ (LOQ-0.5)
		12/12/2024	54.6	16.9	8.7	16.3	BLQ (LOQ-0.5)
		16/12/2024	71.6	28.1	14.3	26.2	BLQ (LOQ-0.5)
		19/12/2024	57.2	19.2	11.4	18.3	BLQ (LOQ-0.5)
		23/12/2024	61.7	24.9	11.7	21.4	BLQ (LOQ-0.5)
		26/12/2024	54.7	16.4	9.1	21.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	02/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/12/2024	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

Pradnya Piliawan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chhmay Garway
Deputy Quality Manager

---End of Report---

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Test Report

Page 1 of 1

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-6	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Bairampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/54-6
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANId/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	02/12/2024	53.9	24.7	12.6	16.9	BLQ (LOQ-0.5)
		05/12/2024	56.3	28.1	13.8	17.2	BLQ (LOQ-0.5)
		09/12/2024	48.1	16.9	9.2	16.1	BLQ (LOQ-0.5)
		12/12/2024	57.8	23.6	11.9	21.6	BLQ (LOQ-0.5)
		16/12/2024	61.3	24.7	12.8	23.4	BLQ (LOQ-0.5)
		19/12/2024	58.2	19.3	9.6	19.2	BLQ (LOQ-0.5)
		23/12/2024	54.7	18.1	8.7	16.9	BLQ (LOQ-0.5)
		26/12/2024	61.4	23.8	11.3	21.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	02/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		05/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		12/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		19/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/12/2024	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/7.6/05).

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

Verified by

Snehal Raut
Technical Manager

Pradnya Pilewan
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinnay 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 endeavor

to provide you with the best quality of services, we will continue to strive for excellence. We welcome your feedback on feedback@anacon.in



Test Report

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-7	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-7
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatijharia Village/ Nr.Weigh Bridge	04/12/2024	63.9	28.4	12.7	26.1	BLQ (LOQ-0.5)
		07/12/2024	57.3	24.9	11.6	23.7	BLQ (LOQ-0.5)
		11/12/2024	61.8	26.1	9.7	18.6	BLQ (LOQ-0.5)
		14/12/2024	52.7	16.9	8.4	17.2	BLQ (LOQ-0.5)
		18/12/2024	56.3	17.1	11.3	21.8	BLQ (LOQ-0.5)
		21/12/2024	64.8	24.7	13.8	24.9	BLQ (LOQ-0.5)
		26/12/2024	67.3	28.2	11.9	23.6	BLQ (LOQ-0.5)
		28/12/2024	61.9	21.8	9.4	18.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Tatijharia Village/ Nr.Weigh Bridge	04/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/12/2024	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

Pradnya Pilewar
Deputy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Ganayde
Deputy Quality Manager

---End of Report---





Test Report

Page 1 of 1

Ambient Air Quality-December-2024

Report No.:-	ALPL/31122024/2-8	Report Date:-	31/12/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri(Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-2/64-8
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	9,16,23,30 December-2024
Test Started On:-	9,16,23,30 December-2024	Test Completed On:-	10,17,24,31 December-2024
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Virhorepat	04/12/2024	67.1	27.3	13.6	24.9	BLQ (LOQ-0.5)
		07/12/2024	64.7	26.1	11.9	23.8	BLQ (LOQ-0.5)
		11/12/2024	71.3	31.6	14.1	26.3	BLQ (LOQ-0.5)
		14/12/2024	68.1	28.4	11.7	24.9	BLQ (LOQ-0.5)
		18/12/2024	64.7	26.3	9.3	21.8	BLQ (LOQ-0.5)
		21/12/2024	58.3	19.7	8.6	18.2	BLQ (LOQ-0.5)
		26/12/2024	62.6	23.8	12.9	24.7	BLQ (LOQ-0.5)
		28/12/2024	57.1	21.3	11.4	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-8	Virhorepat	04/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		26/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/12/2024	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

Signatory

Authorized Signatory

Snehal Raut
Technical Manager

Pradnya Pilewan
Deputy Technical Manager

Pooja Kathane
Technical Manager

Shrinmay Gargay
Deputy Quality Manager

—End of Report—



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor

to provide services that our most customers will be consistently better than the current ones, we welcome your feedback on feedback@anacon.in.



Test Report

Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/2-1	Report Date:-	15/04/2025
Issued to:-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10,17,24,31-Jan-2025
Test Started On:-	10,17,24,31-Jan-2025	Test Completed On:-	11,18,25,31-Jan-2025
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-1	Sairaidh Campus	06/01/2025	64.8	25.7	10.2	17.1	BLQ (LOQ-0.5)
		09/01/2025	55.2	23.6	8.5	21.6	BLQ (LOQ-0.5)
		13/01/2025	59.6	26.8	11.2	24.8	BLQ (LOQ-0.5)
		16/01/2025	67.4	29.7	9.5	21.2	BLQ (LOQ-0.5)
		20/01/2025	62.2	24.4	8.2	17.9	BLQ (LOQ-0.5)
		23/01/2025	68.2	25.2	9.3	18.2	BLQ (LOQ-0.5)
		27/01/2025	76.8	29.1	10.5	16.9	BLQ (LOQ-0.5)
		30/01/2025	63.6	23.8	9.9	20.2	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	Sairaidh Campus	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	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

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager

—End of Report—





Test Report

Page 1 of 1

Ambient Air Quality-January-2025

Report No:-	ALPL/15042025/2-2	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10,17,24,31-Jan-2025
Test Started On:-	10,17,24,31-Jan-2025	Test Completed On:-	11,18,25,31-Jan-2025
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	06/01/2025	71.1	30.5	9.2	21.6	BLQ (LOQ-0.5)
		09/01/2025	60.8	25.6	11.2	19.7	BLQ (LOQ-0.5)
		13/01/2025	67.3	34.3	12.3	22.5	BLQ (LOQ-0.5)
		16/01/2025	73.4	26.3	10.8	21.1	BLQ (LOQ-0.5)
		20/01/2025	58.2	22.6	10.1	20.8	BLQ (LOQ-0.5)
		23/01/2025	53.4	26.2	14.7	22.4	BLQ (LOQ-0.5)
		27/01/2025	70.2	28.7	9.8	19.5	BLQ (LOQ-0.5)
		30/01/2025	61.5	23.2	10.8	18.6	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-2	New Kudag/ Nr. Weigh Bridge	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	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 Hiwarj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/2-3	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10,17,24,31-Jan-2025
Test Started On:-	10,17,24,31-Jan-2025	Test Completed On:-	11,18,25,31-Jan-2025
Sampling Procedure:-	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	06/01/2025	62.6	28.5	9.5	17.7	BLQ (LOQ-0.5)
		09/01/2025	67.1	27.5	10.1	16.8	BLQ (LOQ-0.5)
		13/01/2025	61.4	24.8	8.8	18.3	BLQ (LOQ-0.5)
		16/01/2025	74.2	29.4	10.0	15.5	BLQ (LOQ-0.5)
		20/01/2025	69.5	33.2	8.5	20.5	BLQ (LOQ-0.5)
		23/01/2025	56.7	28.2	10.8	17.3	BLQ (LOQ-0.5)
		27/01/2025	63.5	27.4	9.7	19.5	BLQ (LOQ-0.5)
		30/01/2025	59.1	32.1	8.2	21.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /m ³
Test Method			ANu/7.2/RES- INORG/04	ANu/7.2/RES- INORG/04	ANu/7.2/RES- INORG/04	ANu/7.2/RES- INORG/04
AAQ-3	Old Kudag/ Mining Area	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwari
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chinmay Garway
Deputy Quality Manager





Test Report

Page 1 of 1

Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/2-4	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10,17,24,31-Jan-2025
Test Started On:-	10,17,24,31-Jan-2025	Test Completed On:-	11,18,25,31-Jan-2025
Sampling Procedure:-	ANid/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)
1.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	06/01/2025	60.5	27.9	9.1	23.2	BLQ (LOQ-0.5)
		09/01/2025	64.7	29.2	9.7	22.8	BLQ (LOQ-0.5)
		13/01/2025	68.3	29.4	10.4	21.4	BLQ (LOQ-0.5)
		16/01/2025	59.6	27.4	9.9	21.3	BLQ (LOQ-0.5)
		20/01/2025	54.7	25.2	9.2	19.8	BLQ (LOQ-0.5)
		23/01/2025	53.4	19.8	8.2	15.7	BLQ (LOQ-0.5)
		27/01/2025	59.6	22.0	9.9	17.1	BLQ (LOQ-0.5)
		30/01/2025	54.5	18.5	8.4	15.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /m ³
Test Method			ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04
AAQ-4	Samri-Gopatu/ Near Weigh bridge	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	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



Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor



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Test Report

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Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/2-5	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkhoi, Tehsil Samri (Kusmi), District: Belampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10,17,24,31-Jan-2025
Test Started On:-	10,17,24,31-Jan-2025	Test Completed On:-	11,18,25,31-Jan-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	06/01/2025	60.8	22.2	9.2	19.6	BLQ (LOQ-0.5)
		09/01/2025	61.7	26.6	10.6	20.7	BLQ (LOQ-0.5)
		13/01/2025	54.5	21.5	8.9	15.8	BLQ (LOQ-0.5)
		16/01/2025	58.2	22.7	9.1	16.8	BLQ (LOQ-0.5)
		20/01/2025	62.5	26.5	8.4	18.7	BLQ (LOQ-0.5)
		23/01/2025	53.3	21.3	8.7	16.6	BLQ (LOQ-0.5)
		27/01/2025	57.2	20.1	9.1	18.8	BLQ (LOQ-0.5)
		30/01/2025	52.6	19.8	8.1	15.7	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /m ³
Test Method			ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04	ANti/7.2/RES- INORG/04
AAQ-5	Kutku Village/ Nr. V.T. Center	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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

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

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwari
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Chintan 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





Test Report

Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/2-6	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samn (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	10.17.24.31-Jan-2025
Test Started On:-	10.17.24.31-Jan-2025	Test Completed On:-	11.18.25.31-Jan-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	Dhandiapatr Nr. Mining Area	06/01/2025	54.2	21.3	10.6	18.9	BLQ (LOQ-0.5)
		09/01/2025	58.8	25.1	11.6	21.3	BLQ (LOQ-0.5)
		13/01/2025	53.6	22.3	7.9	15.9	BLQ (LOQ-0.5)
		16/01/2025	52.1	20.6	8.4	14.6	BLQ (LOQ-0.5)
		20/01/2025	50.4	19.0	7.4	12.4	BLQ (LOQ-0.5)
		23/01/2025	53.6	25.3	8.6	15.0	BLQ (LOQ-0.5)
		27/01/2025	65.6	26.8	9.4	16.9	BLQ (LOQ-0.5)
		30/01/2025	61.7	25.2	10.2	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	Dhandipati/ Nr. Mining Area	06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		23/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/01/2025	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 Garvay
Deputy Quality Manager





Test Report

Ambient Air Quality-January-2025

Page 1 of 1

Report No.:-	ALPL/15042025/2-7	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8.15.22.29-Jan-2025
Test Started On:-	8.15.22.29-Jan-2025	Test Completed On:-	10.16.23.31-Jan-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	Tatijhana Village/ Nr. Weigh Bridge	03/01/2025	54.1	19.8	5.9	13.5	BLQ (LOQ-0.5)
		07/01/2025	43.8	16.5	6.6	11.5	BLQ (LOQ-0.5)
		10/01/2025	40.2	18.7	5.6	15.2	BLQ (LOQ-0.5)
		14/01/2025	50.4	21.4	7.1	13.0	BLQ (LOQ-0.5)
		17/01/2025	56.1	19.8	7.5	13.5	BLQ (LOQ-0.5)
		21/01/2025	51.7	20.6	7.2	12.3	BLQ (LOQ-0.5)
		24/01/2025	46.6	21.7	5.9	15.6	BLQ (LOQ-0.5)
		28/01/2025	56.4	21.9	7.7	17.9	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	Tatijhana Village/ Nr. Weigh Bridge	03/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/01/2025	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-January-2025

Report No.:-	ALPL/15042025/2-8	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Barampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/27012025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8.15.22.29-Jan-2025
Test Started On:-	8.15.22.29-Jan-2025	Test Completed On:-	10.16.23.31-Jan-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-5)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Virhorepat	03/01/2025	45.6	17.7	6.3	14.8	BLQ (LOQ-0.5)
		07/01/2025	50.4	21.0	5.3	16.0	BLQ (LOQ-0.5)
		10/01/2025	48.5	20.2	6.2	13.4	BLQ (LOQ-0.5)
		14/01/2025	44.6	23.7	6.9	12.6	BLQ (LOQ-0.5)
		17/01/2025	48.8	19.7	6.5	14.9	BLQ (LOQ-0.5)
		21/01/2025	41.9	17.3	6.0	16.0	BLQ (LOQ-0.5)
		24/01/2025	45.6	22.8	6.5	12.9	BLQ (LOQ-0.5)
		28/01/2025	51.0	25.5	6.9	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-8	Vinhorepat	03/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/01/2025	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

Shehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinnay Garway
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-February-2025

Page 1 of 1

Report No.:-	ALPL/15042025/2-9	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/26022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	07,14,21,28-Feb-2025
Test Started On:-	07,14,21,28-Feb-2025	Test Completed On:-	08,15,22-Feb-2025, 02-Mar-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	Sairadhi Campus	03/02/2025	52.7	24.7	6.5	15.5	BLQ (LOQ-0.5)
		06/02/2025	45.1	20.9	5.4	13.2	BLQ (LOQ-0.5)
		10/02/2025	44.6	19.8	7.5	14.5	BLQ (LOQ-0.5)
		13/02/2025	51.2	22.0	8.4	16.5	BLQ (LOQ-0.5)
		17/02/2025	47.3	18.1	7.4	15.4	BLQ (LOQ-0.5)
		20/02/2025	51.7	18.4	6.9	15.1	BLQ (LOQ-0.5)
		24/02/2025	55.3	21.8	9.3	16.2	BLQ (LOQ-0.5)
		27/02/2025	46.4	17.8	6.9	14.0	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Sairaidh Campus	03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/02/2025	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





Test Report

Page 1 of 1

Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/2-10	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G.)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/26022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	07.14.21.28-Feb-2025
Test Started On:-	07.14.21.28-Feb-2025	Test Completed On:-	08.15.22-Feb-2025, 02-Mar-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-5)	IS-5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	03/02/2025	64.8	25.2	9.3	18.6	BLQ (LOQ-0.5)
		06/02/2025	57.5	22.9	8.4	14.3	BLQ (LOQ-0.5)
		10/02/2025	60.3	24.4	8.7	15.4	BLQ (LOQ-0.5)
		13/02/2025	66.2	27.5	9.2	19.1	BLQ (LOQ-0.5)
		17/02/2025	59.6	23.1	8.2	16.0	BLQ (LOQ-0.5)
		20/02/2025	65.4	25.0	8.8	15.6	BLQ (LOQ-0.5)
		24/02/2025	62.2	22.7	9.3	17.2	BLQ (LOQ-0.5)
		27/02/2025	66.6	29.8	10.4	16.3	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	New Kudag/ Nr. Weigh Bridge	03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/02/2025	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

Shehal Raut
Technical Manager

Dhanashree Hiwaj
Sr. Technical Assistant

Authorized Signatory

Chinmay Ganayde
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



Test Report

Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/2-11	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/26022025/MON-241-EAAQ-2/54
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	07,14,21,28-Feb-2025
Test Started On:-	07,14,21,28-Feb-2025	Test Completed On:-	08,15,22-Feb-2025, 02-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	03/02/2025	57.9	22.5	9.4	15.6	BLQ (LOQ-0.5)
		06/02/2025	59.2	24.6	9.2	16.2	BLQ (LOQ-0.5)
		10/02/2025	63.4	28.4	8.5	18.5	BLQ (LOQ-0.5)
		13/02/2025	56.3	24.5	8.6	16.4	BLQ (LOQ-0.5)
		17/02/2025	54.9	22.9	7.9	15.5	BLQ (LOQ-0.5)
		20/02/2025	63.7	26.7	8.9	19.4	BLQ (LOQ-0.5)
		24/02/2025	52.4	20.1	8.7	14.7	BLQ (LOQ-0.5)
		27/02/2025	47.8	22.1	8.4	13.0	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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
AAQ13	Old Kudag/ Mining Area	03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/02/2025	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

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Test Report

Page 1 of 1

Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/2-12	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/26022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	07,14,21,28-Feb-2025
Test Started On:-	07,14,21,28-Feb-2025	Test Completed On:-	08,15,22-Feb-2025, 02-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS-5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03/02/2025	50.2	21.4	6.7	14.1	BLQ (LOQ-0.5)
		06/02/2025	53.6	25.5	9.6	15.0	BLQ (LOQ-0.5)
		10/02/2025	58.0	23.7	9.5	14.7	BLQ (LOQ-0.5)
		13/02/2025	54.4	22.3	8.7	14.1	BLQ (LOQ-0.5)
		17/02/2025	49.6	21.8	9.3	15.6	BLQ (LOQ-0.5)
		20/02/2025	58.2	24.2	9.2	16.2	BLQ (LOQ-0.5)
		24/02/2025	65.0	25.8	10.6	18.3	BLQ (LOQ-0.5)
		27/02/2025	61.5	23.6	12.3	17.6	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Samri-Gopital/ Near Weigh bridge	03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/02/2025	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---

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Test Report

Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/2-13	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-1
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8,15,22,28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9,16,23-Feb-2025, 02-Mar-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-5)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-5	Kutku Village/ Nr. V.T Center	04/02/2025	58.9	23.0	8.1	19.4	BLQ (LOQ-0.5)
		07/02/2025	62.3	24.5	11.2	18.1	BLQ (LOQ-0.5)
		11/02/2025	57.5	22.3	9.3	23.5	BLQ (LOQ-0.5)
		14/02/2025	55.8	21.8	7.0	20.6	BLQ (LOQ-0.5)
		18/02/2025	59.2	24.2	8.3	22.8	BLQ (LOQ-0.5)
		21/02/2025	64.4	27.8	10.5	19.6	BLQ (LOQ-0.5)
		25/02/2025	56.6	23.5	9.8	20.1	BLQ (LOQ-0.5)
		28/02/2025	61.8	25.2	11.7	19.2	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /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	04/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/02/2025	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

Ambient Air Quality-February-2025

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Report No.:-		ALPL/15042025/2-14		Report Date:-		15/04/2025	
Issued to :-		M/s Hindalco Industries Limited		Address:-		Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C G)	
Type of Work:-		Ambient Air Quality (Core Zone)		Sample Inward No.		ALPL/18112024/MON-92-EAAQ-2/64-1	
Sampled by		Anacon Representative Mr. Akshay Babulkar		Sample Inward Date		8,15,22,28-Feb-2025	
Test Started On:-		8,15,22,28-Feb-2025		Test Completed On:-		9,16,23-Feb-2025, 02-Mar-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	04/02/2025	67.5	26.5	10.2	17.7	BLQ (LOQ-0.5)
		07/02/2025	63.4	24.4	9.6	15.4	BLQ (LOQ-0.5)
		11/02/2025	57.9	22.7	8.9	14.9	BLQ (LOQ-0.5)
		14/02/2025	52.6	19.4	7.5	16.7	BLQ (LOQ-0.5)
		18/02/2025	58.2	20.8	8.3	16.5	BLQ (LOQ-0.5)
		21/02/2025	65.4	23.2	9.2	17.8	BLQ (LOQ-0.5)
		25/02/2025	57.8	21.5	6.9	16.7	BLQ (LOQ-0.5)
		28/02/2025	62.3	24.3	7.3	19.3	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	Dhandipati/ Nr. Mining Area	04/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/02/2025	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

Shehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chingmay Garway
Deputy Quality Manager

---End of Report---





Test Report

Page 1 of 1

Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/2-15	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-1
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8.15.22.28-Feb-2025
Test Started On:-	8.15.22.28-Feb-2025	Test Completed On:-	9.16.23-Feb-2025. 02-Mar-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-5)	IS 5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatijhana Village/ Nr. Weigh Bridge	04/02/2025	54.6	19.8	6.5	17.4	BLQ (LOQ-0.5)
		07/02/2025	63.4	24.6	9.2	15.8	BLQ (LOQ-0.5)
		11/02/2025	55.3	20.2	8.7	18.1	BLQ (LOQ-0.5)
		14/02/2025	60.7	23.6	7.2	19.5	BLQ (LOQ-0.5)
		18/02/2025	63.8	25.2	7.7	20.3	BLQ (LOQ-0.5)
		21/02/2025	57.2	22.5	8.1	21.7	BLQ (LOQ-0.5)
		25/02/2025	62.5	26.2	11.2	22.6	BLQ (LOQ-0.5)
		28/02/2025	64.4	24.7	9.3	17.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Tatijnana Village/ Nr. Weigh Bridge	04/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/02/2025	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

Dharmashree Hiwanj
Sr. Technical Assistant

---End of Report---

Authorized Signatory

Channay Garway
Deputy Quality Manager





Test Report

Ambient Air Quality-February-2025

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Report No.:-	ALPL/15042025/2-16	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), Disnct: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-2/64-1
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8,15,22,28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9,16,23-Feb-2025 02-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-D1		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air.		
AAQ-8	Virhorepat	04/02/2025	45.3	20.1	7.4	16.2	BLQ (LOQ-0.5)
		07/02/2025	47.6	19.8	10.3	17.5	BLQ (LOQ-0.5)
		11/02/2025	51.2	23.5	8.5	16.5	BLQ (LOQ-0.5)
		14/02/2025	43.4	20.8	6.4	19.0	BLQ (LOQ-0.5)
		18/02/2025	54.3	28.0	7.6	17.2	BLQ (LOQ-0.5)
		21/02/2025	50.6	24.4	9.6	15.6	BLQ (LOQ-0.5)
		25/02/2025	62.4	25.3	11.3	19.1	BLQ (LOQ-0.5)
		28/02/2025	48.1	22.3	11.5	17.9	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-8	Virhorepat	04/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		14/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/02/2025	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

Chintay Garway
Deputy Quality Manager





Test Report

Ambient Air Quality-March-2025

Report No.:-	ALPL/15042025/2-17	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	7,14,21,29-Mar-2025
Test Started On:-	7,14,21,29-Mar-2025	Test Completed On:-	8,15,22,29,31-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS 5182(Part-2)	IS 5182 (Part-6)	IS 5182 (Part-10)
I.	Discipline: Chemical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air			
AAQ-1	Sairaidh Campus	03/03/2025	45.3	20.1	7.4	16.2	BLQ (LOQ-0.5)
		06/03/2025	47.6	19.8	10.3	17.5	BLQ (LOQ-0.5)
		10/03/2025	51.2	23.5	8.5	16.5	BLQ (LOQ-0.5)
		13/03/2025	43.4	20.8	6.4	19.0	BLQ (LOQ-0.5)
		17/03/2025	54.3	28.0	7.6	17.2	BLQ (LOQ-0.5)
		20/03/2025	50.6	24.4	9.6	15.6	BLQ (LOQ-0.5)
		24/03/2025	62.4	25.3	11.3	19.1	BLQ (LOQ-0.5)
		28/03/2025	48.1	22.3	11.5	17.9	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-1	Sairaidh Campus	03/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

—End of Report—



Test Report

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Ambient Air Quality-March-2025

Report No.:-	ALPL/15042025/2-18	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	7,14,21,29-Mar-2025
Test Started On:-	7,14,21,29-Mar-2025	Test Completed On:-	8,15,22,29,31-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS-5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-2	New Kudag/ Nr. Weigh Bridge	03/03/2025	57.5	23.6	9.5	23.1	BLQ (LOQ-0.5)
		06/03/2025	63.2	24.8	8.8	20.3	BLQ (LOQ-0.5)
		10/03/2025	59.4	26.7	10.6	22.4	BLQ (LOQ-0.5)
		13/03/2025	51.5	22.9	10.5	19.3	BLQ (LOQ-0.5)
		17/03/2025	55.3	23.7	9.9	17.9	BLQ (LOQ-0.5)
		20/03/2025	63.6	25.2	5.2	19.2	BLQ (LOQ-0.5)
		24/03/2025	50.7	22.9	5.3	20.0	BLQ (LOQ-0.5)
		28/03/2025	44.4	20.5	6.7	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-2	New Kudag/ Nr. Weigh Bridge	03/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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

Authorized Signatory

Chinmay Barway
Deputy Quality Manager

---End of Report---



Anacon Laboratories

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Test Report

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Ambient Air Quality-March-2025

Report No.:-	ALPL/15042025/2-19	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	7,14,21,29-Mar-2025
Test Started On:-	7,14,21,29-Mar-2025	Test Completed On:-	8,15,22,29,31-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS-5182(Part-2)	IS 5182 (Part-6)	IS 5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-3	Old Kudag/ Mining Area	03/03/2025	64.6	26.3	6.3	22.3	BLQ (LOQ-0.5)
		06/03/2025	57.3	22.0	8.4	17.2	BLQ (LOQ-0.5)
		10/03/2025	62.2	25.9	8.0	19.8	BLQ (LOQ-0.5)
		13/03/2025	50.8	21.6	6.6	18.9	BLQ (LOQ-0.5)
		17/03/2025	64.3	27.1	5.7	17.4	BLQ (LOQ-0.5)
		20/03/2025	52.6	21.8	7.4	15.2	BLQ (LOQ-0.5)
		24/03/2025	48.5	19.8	10.3	14.7	BLQ (LOQ-0.5)
		28/03/2025	51.2	22.5	8.5	16.5	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	Old Kudag/ Mining Area	03/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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


Chahal Pratap
Technical Manager


Dhanshree Hiranji
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



Test Report

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Ambient Air Quality-March-2025

Report No.:-	ALPU15042025/2-20	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	7.14.21.29-Mar-2025
Test Started On:-	7.14.21.29-Mar-2025	Test Completed On:-	8.15.22.29.31-Mar-2025
Sampling Procedure	ANtd/7.2/Mon-01		

Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS 5182(Part-2)	IS 5182 (Part-6)	IS 5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-4	Samri-Gopatu/ Near Weigh bridge	03/03/2025	56.6	23.2	6.3	17.8	BLQ (LOQ-0.5)
		06/03/2025	58.4	24.7	5.2	20.1	BLQ (LOQ-0.5)
		10/03/2025	63.2	27.4	5.9	15.1	BLQ (LOQ-0.5)
		13/03/2025	59.1	26.5	6.8	18.4	BLQ (LOQ-0.5)
		17/03/2025	54.7	22.3	5.7	13.6	BLQ (LOQ-0.5)
		20/03/2025	56.0	25.6	7.8	18.2	BLQ (LOQ-0.5)
		24/03/2025	59.8	22.2	6.7	17.2	BLQ (LOQ-0.5)
		28/03/2025	57.6	25.1	7.4	19.5	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	Samri-Gopatur/ Near Weigh bridge	03/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		10/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		17/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		20/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		24/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---





Test Report

Ambient Air Quality-March-2025

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Report No.:-	ALPL/15042025/2-21	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8.16.22.29-Mar-2025
Test Started On:-	8.16.22.29-Mar-2025	Test Completed On:-	9.17.23.31-Mar-2025
Sampling Procedure	ANld/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$	Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$	Sulphur dioxide $\mu\text{g}/\text{m}^3$	Oxides of Nitrogen $\mu\text{g}/\text{m}^3$	Carbon Monoxide (as CO) mg/m^3
Test Method			IS 5182 (Part 23)	USEPA-40(Part 50)	IS 5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-5	Kutku Village/ Nr. V.T. Center	04/03/2025	54.9	24.4	8.0	17.2	BLQ (LOQ-0.5)
		07/03/2025	61.6	26.2	8.2	14.0	BLQ (LOQ-0.5)
		11/03/2025	58.4	24.7	7.8	13.8	BLQ (LOQ-0.5)
		15/03/2025	52.5	23.1	6.0	16.3	BLQ (LOQ-0.5)
		18/03/2025	56.2	24.3	6.3	18.6	BLQ (LOQ-0.5)
		21/03/2025	58.2	26.8	8.1	19.7	BLQ (LOQ-0.5)
		25/03/2025	56.6	25.6	7.4	20.1	BLQ (LOQ-0.5)
		28/03/2025	57.4	22.8	9.0	10.9	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	04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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

Authorized Signatory

Chinmay Gargay
Deputy Quality Manager

—End of Report—





Anacon Laboratories

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Test Report

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Ambient Air Quality-March-2025

Report No.:-		ALPL/15042025/2-22		Report Date:-		15/04/2025	
Issued to :-		M/s Hindalco Industries Limited		Address:-		Kudag Village,P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)	
Type of Work:-		Ambient Air Quality (Core Zone)		Sample Inward No.		ALPL/Z3032025/MON-241-EAAQ-2/64	
Sampled by		Anacon Representative Mr. Akshay Babulkar		Sample Inward Date		8,16,22,29-Mar-2025	
Test Started On:-		8,16,22,29-Mar-2025		Test Completed On:-		9,17,23,31-Mar-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)
L	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-6	Dumarkholi/ Nr. Mining Area	04/03/2025	60.5	24.7	8.5	13.9	BLQ (LOQ-0.5)
		07/03/2025	54.7	20.6	8.7	13.7	BLQ (LOQ-0.5)
		11/03/2025	56.1	22.4	8.3	20.7	BLQ (LOQ-0.5)
		15/03/2025	52.7	19.5	9.9	17.8	BLQ (LOQ-0.5)
		18/03/2025	62.2	24.6	9.4	22.2	BLQ (LOQ-0.5)
		21/03/2025	55.1	21.8	10.2	19.9	BLQ (LOQ-0.5)
		25/03/2025	58.9	25.2	9.4	23.8	BLQ (LOQ-0.5)
		28/03/2025	54.4	22.6	8.3	17.4	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m ³	Mercury as Hg µg /m ³	Arsenic as As ng /m ³	Chromium as Cr µg /m ³
Test Method			ANit/7.2/RES- INORG/04	ANit/7.2/RES- INORG/04	ANit/7.2/RES- INORG/04	ANit/7.2/RES- INORG/04
AAQ-6	Dumerkhali/ Nr. Mining Area	04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	----	5.0 (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

Chintay Ganraj
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





Test Report

Ambient Air Quality-March-2025

Report No.:-	ALPL/15042025/2-23	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District: Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/54
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8,16,22,29-Mar-2025
Test Started On:-	8,16,22,29-Mar-2025	Test Completed On:-	9,17,23, 31-Mar-2025
Sampling Procedure	ANId/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-5)	IS:5182 (Part-10)
I.	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-7	Tatiharla Village/ Nr Weigh Bridge	04/03/2025	55.9	25.5	7.0	18.6	BLQ (LOQ-0.5)
		07/03/2025	61.7	27.3	9.1	21.4	BLQ (LOQ-0.5)
		11/03/2025	51.0	21.4	8.3	16.1	BLQ (LOQ-0.5)
		15/03/2025	57.5	22.0	7.3	18.1	BLQ (LOQ-0.5)
		18/03/2025	46.5	17.1	5.3	14.2	BLQ (LOQ-0.5)
		21/03/2025	51.2	18.6	6.6	15.4	BLQ (LOQ-0.5)
		25/03/2025	57.7	25.4	7.2	18.1	BLQ (LOQ-0.5)
		28/03/2025	64.2	27.1	7.3	21.3	BLQ (LOQ-0.5)
NAAQMS Standards			100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb 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	Tatijhana Village/ Nr Weigh Bridge	04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	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 Garvay
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



Test Report

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Ambient Air Quality-March-2025

Report No.:-	ALPL/15042025/2-24	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Kudag Village, P.O. Dumarkholi, Tehsil Samri (Kusmi), District. Balrampur (C.G)
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23032025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar	Sample Inward Date	8,16,22,29-Mar-2025
Test Started On:-	8,16,22,29-Mar-2025	Test Completed On:-	9,17,23,31-Mar-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)
L	Discipline: Chemical		Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
AAQ-8	Virhorepat	04/03/2025	58.1	22.0	7.2	18.0	BLQ (LOQ-0.5)
		07/03/2025	48.9	24.7	6.6	16.2	BLQ (LOQ-0.5)
		11/03/2025	54.5	25.4	6.9	16.4	BLQ (LOQ-0.5)
		15/03/2025	51.6	27.3	9.2	18.8	BLQ (LOQ-0.5)
		18/03/2025	57.7	29.8	9.8	20.0	BLQ (LOQ-0.5)
		21/03/2025	44.6	19.5	8.3	16.1	BLQ (LOQ-0.5)
		25/03/2025	49.2	24.7	9.2	17.0	BLQ (LOQ-0.5)
		28/03/2025	51.7	22.5	5.1	16.2	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-8	Vithorepat	04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		07/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		11/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		15/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		18/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		25/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		28/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards			1.0 (24 hrs)	---	6.0 (annual)	---

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

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

Verified by

Snehal Raut
Technical Manager

Dhanashree Hiwari
Sr. Technical Assistant

Authorized Signatory

Chiranjay Gargay
Deputy Quality Manager

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour





Revised "Environment Management Cell (EMC)"

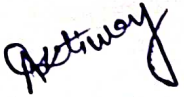
Hindalco Industries Ltd. Samri Group of Mines

Date: - 26.12.2024

The Environment management cell (EMC) in respect of Our Samri group of mines is hereby Reconstituted for compliance of EC conditions of Samri , kudag & Tatijharia Bauxite Mines revised. The revised list will consist of following members:-

S.N	Name	Designation	Position
1	Mr. Sanjay Pardhi	Head- Mines	Chairman
2	Mr. Amit Tiwary	Manager- Mines	Member
3	Mr. Saptarishi Sengupta	Manager (Geo, Quality & Env)	Secretary
4	Mr. Rajeev Ranjan	Manager- Mines	Member
5	Mr. Tej Pandey	Assist Manager-Env	Member
6	Mr. Ashutosh Saha	Manager (Sustainability)	Member
7	Dr Ajay kumar	Medical officer	Member
8	Mr. Saroj rout	Dy. Manager-VTO	Member

For Hindalco Industries Ltd.


(Sanjay Pardhi)
Agent- mines

Samri mines division

CC to:- 1.All concerned persons

2. Record. File

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

Total cost incurred for protection of Environment in Samri, Tatijharia and Kudag Bauxite mines of Hindalco Industries Limited, Chhattisgarh during the period from October 2024 to March 2025 is mentioned below:

Sl. No	Environment Protection Measure	Actual Cost (Lakhs) Oct'24 – Mar'25
1.	Environment Monitoring	5.80
2.	Greenbelt development	15.51
3.	Reclamation/ rehabilitation of mined out area (Samri - 21.089 Ha., Kudag- 1.760 Ha., Tatijharia-16.821 Ha.) Total- 39.67 Ha.	118.97
Total		140.28

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