

Ref. HIL/SBM/MoEF&CC/ 69 /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: <u>iro.raipur-mefcc@gov.in</u>

Sub: - Sub: - Status of compliance of EC condition (Half yearly status of compliance report) in respect of Samri Bauxite Mine (Lease area- 2146.746 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-11015/353/2007-IA. II (M) dated July 27, 2007

### Dear Sir,

We do herewith submit half yearly status of EC compliance report in respect of Samri Bauxite Mine, Lease area - 2146.746 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
2146.746 Ha.	500000 Tonnes	24.06.1998 to 23.06.2048 (50 years)

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

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

(Sanjay Pardhi) Agent of Mines

Encl.: As Above CC: <u>moef.ddn@gmail.com</u>; <u>apccfcentral-ngp-mef@gov.in</u>; <u>eccompliance-cg@gov.in</u>; <u>cpcb.bhopal@gov.in</u>; <u>hocecb@gmail.com</u>;

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

#### REGISTERED OFFICE

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

Name of the Project	:	Samri Bauxite Mines (2146.746 Ha. Capacity-5.00 LTPA), M/s Hindalco Industries Ltd.
Environment Clearance No & date	:	J-11015/353/2007 – IA.(IIM) dated 27.07.2007
Period of compliance Report	:	1 <sup>st</sup> October 2024 to 31 <sup>st</sup> 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: We agreed to the condition.

**Condition-3:** Conservation plan for schedule I fauna shall be prepared in consultation with Wildlife Department and submitted to the ministry for record.

**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 and fauna along with the approved conservation plan is attached as *Annexure B*.

**Condition-4:** A comprehensive report on the details of land oustees, their socio- economic profile and action plan for their rehabilitation including formation of self-help group who can facilitate promotion of economic opportunity to local indigenous people shall be submitted to the Ministry for record.

**Reply to Condition 4:** 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 C*.

**Condition-5:** Top soil, if any shall be stacked properly with proper slope with adequate safeguards and shall be backfilled (wherever applicable) for reclamation and rehabilitation of mined out area.

**Reply to Condition 5:** The top soil generated during mining operation is being concurrently spread on backfilled area to restore its original forms immediately. However, when required it is being stacked properly with proper slope followed by parapet wall to prevent sliding.



**Backfilling Photos** 

**Condition-6:** Over burden (OB) shall be stacked at earmarked dump site (s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30m, each stage shall preferably be of 10m and over all slope of the dump shall not exceed 28<sup>0</sup>. The OB dump shall be backfilled. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. 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:** Presently there is no active OB dump at mines. As per approved Mining Plan OB generated during mine operation is being utilized for concurrent back filling of the mined-out area for reclamation purpose. Small old inactive OB dump of an area of 1.66Ha. has been stabilized by vegetation with suitable native species to prevent erosion and surface run off. Garland drain with check dam have been provided to arrest silt and sediments flowing from above mentioned OB dump.



Plantation in Old OB Dump

**Condition-7:** Garland drains shall be constructed to arrest silt and sediment flows from soil and mineral dump. The water so collected shall be utilized for watering the mine area, roads, greens belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.

Garland drain size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garlands drains and desilted at regular intervals.

**Reply to Condition 7:** Garland drains approx. 200m long along with retaining wall of appropriate size (1m height x 0.5m width x 250m length) and gradient have been made around the active mining pits coupled with silt arrester to arrest silt from run-off and drains are being maintained and desilted at regular intervals before monsoon. The Water is being collected in the sump and used for plantation & in sprinkling of the Haul Road. The sump capacity Rainwater pond of adequate capacity has also been developed.



Photographs of garland drains and parapet wall

**Condition-8:** Slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.

**Reply to Condition 8:** The slope of Mining bench is maintained approx. 45° and the height 3-4m and ultimate pit is being maintained as per provision of approved mining scheme. We also ensure that within this pit limit we can mine the deposit economically and safely.

**Condition-9:** Drilling and blasting (if any) shall be conducted by using dust extractors/wet drilling. **Reply to Condition 9:** Cabin mounted Wet drilling machine is being used in drilling operations. To reduce the dust emission due to blasting we use X-centric ripper instead of blasting.



**Condition-10:** Plantation shall be raised in 53.87 ha of the ML area, haul roads, OB dump sites etc. Green belt development shall be carried out considering CPCB guidelines including selection of plant spacies and in consultation with the local DFO/Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme beside tree plantation. The density of the trees shall be around 2500 plants per ha. The company shall involve local people with the help of self-help group for 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 40394 nos. of saplings have been planted over an area of 16.57 ha. and in total till now about 178.025 ha area has been afforested with approx. 427705 nos. of saplings. The plantation in reclaimed area is carried out as per plan and being carried out as suggested by local government authority. The density is being maintained about 2500 saplings per hectare with the species like Karanj, Arjun, Gulmohar, Bamboo, bakayan, Pears, Jamun, Amla & guava, etc. Apart from this, Tea plantation project has been started in Samri with a focus on Local Economic Development. We planted 16,000 Tea saplings on 2 Ha. of reclaimed land. Social forestry is also being encouraged among the local villagers. Year wise plantation is enclosed as **Annexure D**.



**Greenbelt** Area

Plant Sampling culture in our Nursery

**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:** Six nos. of rainwater harvesting Ponds of an area approx. 7.9Ha. and well of size 5Ft.X10Ft. have been constructed as conservation measures in mined out area for the conservation/augmentation of ground water resources. This further adds to Water Credit of the lease area.



**Rainwater Harvesting Pond** 

Recharge well

**Condition-12:** 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 12:** 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 E*.

**Condition-13:** Prior permission from the competent authority shall be obtained for drawl of ground water, if any.

**Reply to Condition 13:** Ground water NOC has been obtained from CGWA vide NOC no. NOC/MIN/CG/2025/1744/R-3/3 dated 25.03.2025 with validity up to 28.04.2027. The GW NOC copy attached as *Annexure-F*.

**Condition-14:** Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation ores and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles transporting ores shall be covered with a tarpaulin or other suitable enclosures so that no dust particles/ fine matters escape during the course of transportation. No overloading of ores for transportation shall be committed.

**Reply to Condition 14:** 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 up to EUP/Railway siding to prevent dust emission. Vehicle used for transportation are having valid permit and PUC. No overloading of ores for transportation is allowed to prevent spillage of material.



**Condition-15:** 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 15:** 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 37 years. Final Mine closure 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:** Presently there is no change in technology. In future, when required prior permission will taken from the approval authority.

**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:** Company has already deposited Rs.1.6 crore to competent authority for the implementation of measures for the protection of flora and fauna under approved wildlife conservation plan. 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 has 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 program related to wildlife conservation is being conducted.
- d) Eco-development activities like poultry, piggery, bee keeping etc. are being organized.
- e) Controlled blasting is being carried out to reduce vibration and noise. Such operation is being carried out in day time only and its use is minimized.
- f) Plantation is regular activity along with the development of greenbelt all around the Lease Area
- g) "Aditya Udyan" has been developed on 2.6 Ha. of Reclaimed land and a wide variety of fruits saplings like Mango, Guava, Litchi and pears are planted along with a centrally developed Rose garden.
- h) Integrated Fish Farming has been started at Aditya Udyan, Gopatu in Samri operational area and 25000 fish spawns has been released, with an objective to help the local communities for diversification of Income Sources. This has been done in consultation with Govt. body.

- i) With a vision on sustainability, we have also developed a BioPak that transcends the bounds of traditional parks. With 15 acres of reclaimed mined land this please is a testament to the resilience of nature and a beacon for the future. This has been developed with an objective of Economic development, Environmental education, Health and recreation and a place for community engagement and further to pave way for Mine tourism an upcoming concept of time.
- j) We have also carried out plantation outside our lease area in various School, NGOs etc. on special occasion as an initiative to spread awareness about the importance of afforestation.





Aditya Udyan







Samri Bio-Park

**Condition-4:** Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO<sub>2</sub>, NOx, monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.

**Reply to Condition 4:** Ambient Air quality monitoring has been established at strategic locations and the monitoring is being carried out as per guidelines. For the purpose, we have engaged NABL accredited laboratory M/s. Anacon Laboratories Pvt. Ltd. for conducting regular environmental monitoring. Analysis Report (from Oct' 24 to Mar' 25) is enclosed as *Annexure-G*.

**Condition-5:** Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, and NOx) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.

**Reply to Condition 5:** Data of ambient air quality (RPM, SPM, SO2, and NOx) are being submitted to Ministry and CECB in every Six month as per guidelines. Data of ambient air quality (RPM, SPM, SO2 and NOx) from Oct' 24 to Mar' 25 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:** Wet drilling, regular water spraying with 12 KL portable water tanker in the mine lease hold area is being carried out regularly to control the fugitive emission at source. Rainwater collected into the mine pit is being utilized for dust suppression purposes. Black top road has been constructed up to pit head to reduce dust emissions.



Water Sprinkling in haul road



Black top 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.



**Plantation for Noise Acoustic barrier** 

**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 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.

**Reply to Condition 8:** There is no waste water generated from the mining operation. So, there is no liquid discharge from mine. Waste water generated from the workshop is being treated in the Oil & grease separation Pit and the water after treatment is being used in dust suppression in the haul road.

**Condition-9:** Personal working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted 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 Centre as per guidelines.

All employees working in our mining lease area, undergo IME/PME at regular interval 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. IME carried out during the joining of the candidate and the PME is carried out in every 3 years.

**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 of the Ministry 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 work.

**Reply to Condition 12:** The requisite documents have been submitted to the regional office of the Ministry, Bhopal before commencement of development & operation in 1999. However, as the current regional office has changed to Raipur region, we are again resubmitting the information to the IRO Raipur vide letter no. HIL/SBM/MoEF&CC/1202/2024, dated 20-03-2024.

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

**Reply to Condition 13:** Adequate fund provision is already earmarked for environmental protection measures and will not be diverted to other purpose. The year wise expenditure is being submitted to concern authorities as per guidelines.

The copy of environment expenditure is enclosed as Annexure 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 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/1202/2024, 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 Samri, Gopatu, Amtahi vide letter no. HIL/CECB/37/EXP/07-08 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 letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <u>http://envfor.nic</u> 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 newspapers Hari Bhumi & Ambika Vani. The copy of same has been already submitted to your good office. 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:** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

Reply to Condition 20: Noted.

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

Reply to Condition: Noted.

प्रमाक/व प्रा /प्रयम- 12/13/ 2967 प्रति. संचालक, इन्वायरनमेंट क्लीयरें श सेल भारत सरकार, वन एवं पर्यावरण मंत्रालय, पर्यावरण भवन, सी.जी.ओ. काम्प्लेक्स, लोधी रोड़, नई दिल्ली–111003 विषय :- छत्तीसगढ़ के बलरामपुर जिले (तत्कालीन सरगुजा माईन्स, कुदाग बॉक्साईट माईन्स एवं टाटीझरिया बॉ इंन्वायरमेंट क्लीयरें स । संदर्भ:- 1. पर्यावरण व वन मंत्रालय, मारत सरकार का पत्र क्रमां 27 जुलाई 2007.	क), छन्ती रायपुर 71-255222 रायपु रायपु	२१गढ - Fax (1771 र दिनाक ८) र दिनाक सा	
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भारत सरकार, वन एवं पर्यावरण मंत्रालय, पर्यावरण भवन, सी.जी.ओ. काम्प्लेक्स, लोधी रोड़. नई दिल्ली–111003 विषय :- छत्तीसगढ़ के बलरामपुर जिले (तत्कालीन सरगुजा माईन्स, कुदाग बॉक्साईट माईन्स एवं टाटीझरिया बॉ इंन्वायरमेंट क्लीयरेंस। संदर्भ:- 1. पर्यावरण व वन मंत्रालय, मारत सरकार का पत्र क्रमां 27 जुलाई 2007. 2. पर्यावरण व वन मंत्रालय, भारत सरकार का पत्र क्रमांक 27 जुलाई 2007.			÷.
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<ol> <li>पर्यावरण व वन मंत्रालय, भारत संरकार का पत्र क्रमांक 27 जुलाई 2007.</li> </ol>	कि J-11015,	/353/2007-	A.II(M) दिनांक
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कृपया आपके उपरोक्त संदर्भित पत्रों का अवलोकन करने क	न कप्ट करें।	जिसके दार	बलरामपर जिले
(पुराने सरगुजा जिले) के सामरी बॉक्साईट खुली खदान (1 LTPA) की क्षमता			*)
खदान (0.4 LTPA) की क्षमता बढ़ाकर (0.6 LTPA) करने तथा टाटीझरिया बॉक			- *3
(4 TPA) करने के परियोजना प्रस्ताव के संबंध में वन्य प्राणी (संरक्षण) अधिनियम			
हेतु "वन्य प्राणी संरक्षण व प्रबंधन योजना" तैयार की जाकर इस कार्यालय			
1. विषयांकित परियोजना हेतु खदान के लीज के अनुबंध वि		27 12 12	
हुये थे। सामरी क्षेत्र में भारत सरकार पर्यावरण व वन मंत्रात			
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IA.II/M दिनांक 27 जुलाई, 2007 द्वारा 2146.746 हे. में, कु			100 million (100 million)
ें संत्रलाय आदेश क्रमांक J-11015/354/2007-IA.II/M दिनांव			A2
टाटीझरिया में भारत सरकार पंर्यावरण व वन मंत्रालय के अ	आदेश क्रमांक	5 J-11015/3	37/2007-IA.II/N
दिनांक 9 अगस्त 2007 द्वारा 1218.762 हे. में बॉक्साईट खन	न की स्वीकृ	ते प्राप्त कर	संस्था द्वारा खन
का कार्य किया जा रहा है।			
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Vijag/Sterm/Probandh			11.525
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वर्तमान प्रस्ताव में उपरीक्त लिक राजना के का तीमकी के लिये 10 मध्य में महाले 50 (PTA 50.000 TPA से बढाकर 4.00.000 HPA 1 ( )। प्रसाधित है। भारत सरकार पर्यावरण व वन मञालय के द्वारा उपरोक्त जाय हुन् प्रथम तरण की स्वीकृति कमण आदेश क्रमाक 1-11015/353/2007-IA.II/M दिनांक 27 जुलाई 2007 / 11015/354/2007-IA.II/M दिनांक 27 जुलाई 2007 एव J-11015/337/2007-IA.II/M ि:-II-0 र अगरत 2007 द्वारा कुछ शर्ती के साथ दी गई है. जिसमें एक महत्वपूण 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 बेन्य प्राणी संरक्षण योजना तैयार की गयी है।

खनन क्षमता बढ़ाने से संबंधित प्रस्तावित तीनों ही परियोजनाओं के एक दूसरे से 4 कि.मी. की परिधि में रिथत होने एवं सभी के बफर क्षेत्र ओवरलैपिंग होने के कारण सभी के लिये संयुक्त रुप से वन्य प्राणी संरक्षण व प्रबंधन योजना तैयार की जाकर महाप्रबंधक, (खादान), हिन्डालको इन्डरिट्रीज के पत्र क्रमांक HIL/SAM/300/2013 दिनाक 2.03.2013 द्वारा प्रस्तुत किया गया है जिसका समग्र रुप 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 अनेक्सूर-4 के में उल्लेखित किया गया है।

3.

उल्लेखित सूचि 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 छैं: एवं 2010–11 में 4 जनहानि व जनघायल के प्रकरण तथा वर्ष 2007–08 तथा 2008–09 में तेंदु<u>आ द्वा</u>रा पशु हानि के दो प्रकरण तथा लकड्बर्ग्धे 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 है। 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 संबधित मुख्य गतिविधियों का विवरण निम्नामुसार है। 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 गतिविधियॉ,

रथानीय ग्रामीणों के लिये आजीविका, सृजन, टीकाकरण, जनजागृति कार्यकम जैसी गतिविधियां का

समावेश करते हुये 04 वर्षों के लिए संहेंग संहार कर नाफ अवधानित की गयी है। जिसका क्रियान्ययन वन विभाग के द्वारा किया जायेगा। प्रश्तान में प्रात्मी कि तजर का विवरण निम्नानुराह हे –

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Sr.	Works to be done	and the second se	st he Lot	in prosts (	Rs. In lak	ha]	Remarks
10-		1" Year	year .	Year	4° Year	Total	142
1	Plantation including soil and moisture Conservation works as per norms of forest department surrounding the lease hold	5.00	5.00	4.00	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	9 15 8
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 <u>the buffer Zone</u> of the mining lease @ 50000/- per centre.	3.00	3.00	3.00	3.00	12.00	
3	Veterinary camp for immunization of Cattle with the help of block veterinary sataff.	-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 Bio- diversity management committees
			35.00				(BMC's)

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Vijay/Stena/Pn

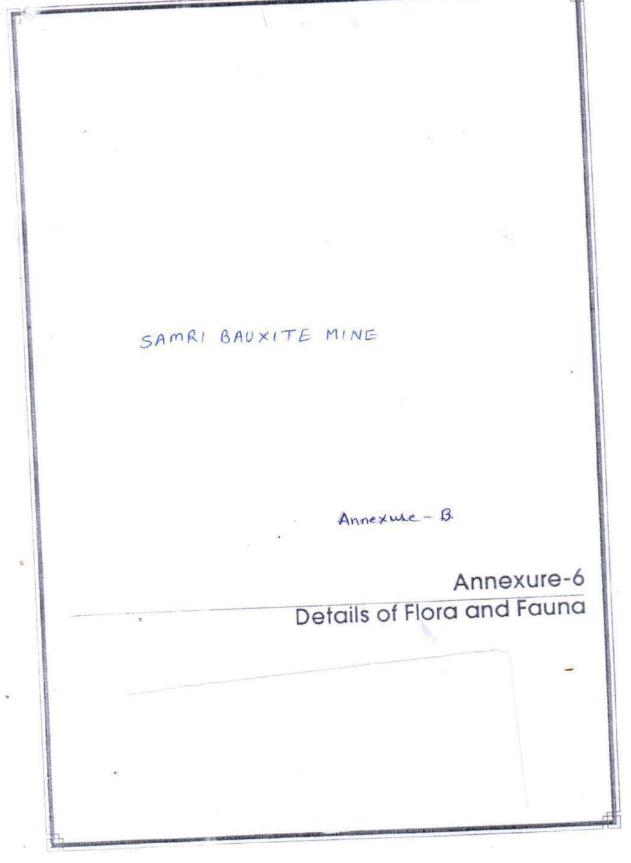
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2	कित्या जा राजन जनसंस्थान ए					
Э .	<ol> <li>अनुमोदित चन्यपाणे। राखण</li> </ol>					
J	प्रावधानित सांश 💀 १७०.०० व					
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3	संलग्नःउपरोक्तानुसार ।				D.	
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	प्रतिलिपि :—			19		
0		गढ़ शासन, वन विभाग, ग	नहानदी मंत्रालय भवन	न, नया रायपुर की उ	गेर मय योजना	4
9	की प्रति सहित सूचन					
9		जी. एम. माइन्स हिन्ड				24
	पोस्ट-कुसमी, जिला	–सरगुजा, छत्तीसगढ़ की	ओर मय योजना की	प्रति सहित सूचनार्थ	प्रेषित।	
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संसर्वेश करते हुये 04 वर्षी के लिए गरेण लगा जा अच्छानित की गयी है। जिसका क्रियान्ययन वन विभाग के द्वारा किया जायेगा। प्रश्तान में प्रात्मी कि न के का विवरण निम्नानुराह हे –

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Sr.	Works to be done	and the second s	st for Lot		Rs. In lak	[a a]	Remarks
t‡ù-		1" Xear	year -	No.	4 <sup>°</sup> Year	Total	an en recentra de la composition de la compositi
1	Plantation including soil and moisture Conservation works as per norms of forest department surrounding the lease hold	5.00	5:00	-7:00	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	9 13 8
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 <u>the buffer Zone</u> of the mining lease @ 50000/- per centre.	3.00	3.00	3.00	3.00	12.00	
3	Veterinary camp for immunization- of Cattle with the help of block veterinary sataff.	-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 Bio- diversity management committees
			4			-	(BMC's)

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

5 1 1

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

Name of the plant Species	Local Name	Family
Butea monosperma	Palas	Fabaceae
Acacia Arabica	Babul	Mimosaceae
Leucena leucophloe	Sabubal	Mimosacaae
Mangifera indica	Aam	Anacardiaceae
Citrus lemon	Nimbu	Rutaceae
Emblica officinalis	Amla	Euphorbiaceae
Ficus hispida	Jungli anjir	Moraceae
Spondias cythera	Kathjamun	Myrtaceae
Terminalia catapa	Badam	Combretaceae
Apluda mutica	Grass	Poaceae
Chloris dolichosta	Grass	Poaceae
Dichanthium annulatum	Grass	Poaceae
Inpurta cylendrica	Grass	• Poaceae
Themeda-quadrivalvis	Grass	Poaceae
Arlstlda adscensionsis	Grass	Poaceae
tragrostis bileria	Grass	Poaceae
Fragrostis tenella	Grass	Poaceae
Setarla glauca	Grass	Cyperaceae
Thysanolaena maxima	Grass	Graminae
Parthenium hysterophorus	Congress grass	Compositae
Cassia (ota		Caesalpinaceae
Delonix regia	Kachnar	Caesalpinaceae
Dalbergia Sissoo	Sisoo	Caesalpinaceae,

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

Sr. No.	Technical Name	Family	Life Form
I. Agricu	Itural Crops		
1	Hordium vulgare	Poaceae	Hemicryptophyte
2	Sorghum vulgare	Poaceae	Hemicryptophyte
• 3	Triticum vulgare	' Poaceae	Hemicryptophyte
4	Zea mays	Poaceae	Hemicryptophyte
5	Oryza sativa	Poaceae	Hemicryptophyte
6	Pennisetum typhoideum	Poaceae	Hemicryptophyte
II. Comm	nerclal Crops (including Veget	ables)	
1	Abelomoschus indicus	Malvaceae	Therophyte
8	Alllum cepa	Liliaceae	Geophyte
9	Allium sativum	Liliaceae	Geophyte
10	Annona squamosa	Annonaceae	Phanerophyte
11	Arachis hypogia	Fabaceae	Geophyte
12	Catharanthes pusillus	Compositae	Therophyte
13	Cleer arietinum	Fabaceae	Hemicryptophyte
1.4	Citrus lemon	Ruataceae	Therophyte
15	Colacasia esculenta	Areaceae	Geophyte
16	Coreandrum sativum	Umbelliferae	Hemicryptophyte
17	Daucus carota	Umbelliferae	Geophyte
1.8	Lycopersicum esculentus	Solanaceae	Therophyte
19	Mangifera indica	Anacardiaceae	Phanerophyte
20	Memordia charantia	Cucurbitaceae	Therophyte
21	Pisum sativum	Fabaceae	Therophyte
22	Psidium guava	Myrtaceae	Phanerophyte
23	Solanum tuberosum	Solanaceae	Geophyte
24	Litchi chinensis	Sapindaceae	Phanerophyte
III. Plant	ations		
- 25	Bauhinia cormbosa	Caesalpinaceae	Phanerophyte
26	Acacia nilotica	Mimosaceae	Phanerophyte
27	Albizia lebbeck	Mimosaceae	Phanerophyte
28	Albizia odorattissima	Mimosaceae	Phanerophyte
29	Albizia procera	Mimosaceae	Phanerophyte

1	Sr. 1 30	Azadirachta indica	Name	Enerth	
	31	Bauhinia variegate		Meliaceae	Life Form
	32	Bauhinia pusa		Caesalpinaceae	Phanerophyte
	33	Bauhinia purpuria Bambusa arundanaci		Caesalpinaceae	Phanerophyte
	34	Butea monosperma	e3e	Poaceae	Phanerophyte
	35	Butea frondosa		Caesalpinaceae	Phanerophyte
-	36	Eucalyptus sp		Caesalpinaceae	Phanerophyte
	37	Delonix regia		Myrtaceae	Phanerophyte
	38	Ducase Is	-	Caesalpinaceae	Phanerophyte
I	V. Na	ural Vegetation /Forest	T	Caesalpinaceae	Phanerophyte
-		La Diela Diela Officia	туре		Phanerophyte
1-	40	Abutilon indicum		Fabaceae	
-	41	Acacia Arabica		Malvaceae	Therophyte
1-	42	Acacia auriculiformie		Mimosaceae	Phanerophyte
-	43	Acacia catechu		Mimosaceae	Phanerophyte
1-	44	Acacia intinsia		Mimosaceae	Phanerophyte
1	46	Acacia fernacea		Mimosaceae	Phanerophyte Phaneophyte
	47	Acacia leucophioe		Mimosaceae	Phanerophyte
-	48	Acalypha lanceolata		Mimosaceae	Phanerophyte
	49	Acanthospermum hispic	dum	Euphorbiaceae	Therophyte
	50	I ANIVIANINES asners		Compositae	Therophyte
	51	Adathoda vasica		Amaranthaceae Acanthaceae	Therophyte
	52	Adina cordifolia		Rubiaceae	Therophyte
	3	Aegle marmelos Aerva lanata		Rutaceae	Phanerophyte
	4	Ageratum com		Compositae	Phanerophyte
5		Ageratum conyzoides Ailanthes excela		Compositae	Phanerophyte
5	6	Alangium salivus		Simaroubaceae	Therophyte
57	7	Albizia odoratissima		Alangiceae	Phanerophyte
58		Albizia procera		Caesalpinaceae	Phanerophyte
59		Alstonia scholaris		Caesalpinaceae	Phanerophyte
60		Alternanthera sessilis		Apocyanaceae	Phanerophyte
61		Alysicarbus hamoeur		Amaranthaceae	Phanerophyte
62		Anogeissus latifolia		Fabaceae	Therephyte
63		Anogeissus serica		Combretaceae	Therophyte
64		Argemone mexicana		Combretaceae	Phanerophyte
65		Azadirachta indica		Papevaraceae	Phanerophyte
66 67		Barleria prionoites		Meliaceae	Phanerophyte
68		Bidens biternata		Acanthaceae	Phanerophyte
69	1	Blepharis asperima		Compositae	Therophyte Therophyte
70		Blepharis madaraspatens		canthaceae	Phanerophyte
71	1	numed lacera		canthaceae	Therophyte
72		loerheavia chinensis	N	ompositae	Therophyte
73	B	oerheavia diffusa	N	ycataginaceae yctaginaceae	Therophyte
74	R	ombax ceiba	Bo	ombacaceae	Therophyte
75	R	orreria hispida	RI	Ibiaceae	Phanerophyte
76	B	orreria stricta oswellia serrata	R	ibiaceae	Inerophyte
77	Br	assica com	Bu	rseraceae	Therophyte
8	Br	assica camprestris Idelia retusa	Cri	uciferae	Phanerophyte
9	Br	idelia superba	Eu	phorbiaceae	Therophyte
0	Ca	esalpina pulcherima	Eur	phorbiaceae	Phanerophyte
1	Ca	lotropis procera	Cae	esalpinaceae	Phanerophyte
2	Car	nthium diddynum	Asc	lipiadaceae	Phanerophyte
3	Car	oparis aphylla	Rut	laceae	Phanerophyte
1	Car	paris deciduas	Cap	paridaceae	Phanerophyte
5	Car	issa carandus	Cap	paridaceae	Therophyte
	Can	ssa spinarium	Apo	Cyanaceae	Phanerophyte
	Case	Carla oravenlenc	Apor	cyanaceae	Phanerophyte
	C355	absus	Sam	ydiaceae	Phanerophyte
	Cass	sia absus	Caes	alpinaceae	Phanerophyte
	Cass	ia auriculata	Caes	alpinaceae	Phanerophyte
	Cass	la occidentalie	Caes	alpinaceae	Therophyte
	Cass	a tora	Caesa	alpinaceae	Therophyte
	Cestr	um diurnum	Laesa	alpinaceae	Therophyte
	Cestr	um noctrunum	Rubia Rubia	Ceae	Phanerophyte Theophyte

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Sr. No.	Technical Name	Family	Life Form
95	Chloris varigata	Poaceae	Therophyte
96	Cissus quadrangularis	Vitaceae	Therophyte
97	Citrus limon	Rutaceae	Phanerophyte
98	Cleome gynandra	Capparidaceae	Therophyte
99	Combretum ovalifolium	Rubiaceae	Phanerophyte
100	Cordia myxa	Rubiaceae	Phanerophyte
101	Crotalaria medicagenia	Fabaceae	Therophyte
and the second division of the second divisio	Croton bonplandinum	Amaryllidaceae	Therophyte
102		Cuscutaceae	Epiphyte
103	Cuscuta reflexa	Solanaceae	Therophyte
104	Datura fastulosa		Therophyte
105	Datura metal	Solanaceae	Therophyte
106	Desmodium triflorum	Asclepiadaceae	Phanerophyte
107	Diospyros melanoxylon	Lythraceae	
108	Diospyros Montana	Lythraceae	Phanerophyte
109	Echinops echinatus	Compositae	Therophyte
110	Eclipta prostrate	Compositae	Hemicryptophyte
111	Emblica officinale	Euphorbiaceae	Phanerophyte
112	Emilia lajerium	Compositae	Hemicryptophyte
113	Erythrina indica	Papillionaceae	Phanerophyte
114	Euphorbia geniculata	Euphorbiaceae	Therophyte
115	Euphorbia hirta	Euphorbiaceae *	Therophyte
-116	Euphorbia hyperocifolia	Euphorbiaceae	Therophyte
117	Euphorbia neruti	Euphorbiaceae	Therophyte
117	Euphorbia nivula	Euphorbiaceae	Therophyte
118	Euphorbia nivula Euphorbia piluliflora	Euphorbiaceae	Hemicryptophyte
	Euphorbia tricauli	Euphorbiaceae	Hemicryptophyte
120	Euphorbia tricauli Evolvulus alsinoides	Convolvulaceae	Therophyte
121		Convolvulaceae	Therophyte
122	Evolvulus numalaris	Rutaceae	Phanerophyte
123	Feronia elephantum		Phanerophyte
124	Ficus benghalensis	Moraceae	
125	Ficus carica	Moraceae	Phanerophyte
126	Ficus glomerata	Moraceae	Phanerophyte:
127	Ficus hispida	Moraceae	Phanerophyte
128	Ficus racemosus	Moraceae	Phanerophyte
129	Ficus relisiosa	Moraceae	Phanerophyte
130	Ficvus gibbosa	Moraceae	Phanerophyte
131	Gardenia latifolia	Rubiaceae	Phanerophyte
1.32	Gardenia lucida	Rubiaceae	Phanerophyte
133	Garuga pinnata	Burseraceae	Phanerophyte
134	Glossocardia bosvellia	Compositae	Hemicryptophyte
135	Gmelina arborea	Rubiaceae	Phanerophyte
136	Gomphrena globosa	Amaranthaceae	Therophyte
136	Gossypium herbaceum	Malvaceae	Therophyte
	Gossyphin herbaceon Grewia abutifolia	Tiliaceae	Phanerophyte
138	Grewia abutiona Grewia-salivifolia	Tiliaceae	Phanerophyte
139			Phanerophyte
140	Grewia subinaqualis	Tiliaceae	Hemicryptophyte
141	Gynandropis gynandra	Capparidaceae	Phanerophyte
142	Helictris isora	Rubiaceae	
143	Heliotropium indicum	Rubiaceae	Hemicryptophyte
144	Helitropium ovalifolium	Rubiaceae	Hemicryptophyte
145	Hemidesmus indicus	Asclepiadaceae	Phanerophyte
146	Hibsicus caesus	Malvaceae	Hemicryptophyte
147	Holarrhena antidycenterica	Asclepiadaceae	Phanerophyte
148	Holostemma annularia	Aslepiadaceae	Phanerophyte
149	Hygrophylla auriculata	Acanthaceae	Hemicryptophyte
150	Hyptis suavalens	Labiatae	Therophyte
150	Ichnocarpus frutens	Poaceae	Hemicryptophyte
	Impatiens balasamania	Balsaminaceae	Therophyte
152 153		Caesalpinaceae	Therophyte
	Indigofera hirsute	Caesalpinaceae	Therophyte
154	Indigofera limnacea		Therophyte
155	Indigofera tinctoria	Caesalpinaceae	
156	Ipomea aquatica	Convolvulaceae	Hydrophyte
157	Ipomea coccinea	Convolvulaceae	Therophyte
158	Ipomea tuba	Convolvulaceae	Hemicryptophyte
159	İxora arborea	Rubiaceae	Phanerophyte
160	Ixora parviflora	Rubiaceae	Phanerophyte

A6-3

No.	Technical Name	Family	Life Form
51	Ixora singapuriens	Rubiaceae	Phanerophyte
52	Jasmimum arborens	Oleaceae	Phanerophyte
53	Jatropha gossypifolia	Euphorbiaceae	Therophyte
54	Jussiaea suffraticosa	Onagraceae	Hydrophyte
55	Justia diffusa	Acanthaceae	Therophyte
66	Justicia diffusa	Acanthaceae	Therophyte
57	Lactuca punctata	Compositae	Therophyte
58	Lannea coramandalica -	Anacardiaceae	Phanerophyte
59 .	Lannea grandis	Anacardiaceae	Phanerophyte
70	Lannea procumbens	Anacardiaceae	Therophyte
71	Lantana camara	Verbinacaee	Phanerophyte
72	Lawsonia inermis	Lythraceae	Phanerophyte
73	Lepidogathis cristata	Acanthaceae	Therophyte
4	Leptodenia_reticulate	Asclepiadaceae	Phanerophyte
75	Leucas aspera	Labiatae	Therophyte
76	Leucas longifolia	Labiatae	Therophyte
7	Leucas longifolia	Labiatae	Therophyte
78	Leucena leucophloe	Caesalpinaceae	Phanerophyte
79	Linderbergia indica	Scrophulariaceae	Therophyte
30	Lindernbergia maica	Scrophulariaceae	Therophyte
31	Lophophora tridinatus	Scrophulariaceae	Geophyte
31	Luffa acutarigularia	Cucurbitaceae	, Therophyte
		Solanaceae	Therophyte
33	Lycopersicum esculentus Madhuca latifelia	Sapotaceae	Phanerophyte
34		Euphorbiaceae	
35	Mallotus philippinus	Malvaceae	Phanerophyte
36	Malvastrum coramandalicum		Therophyte
37	Mangifera indica	Anacardiaceae	Phanerophyte
38	Marselia quadrifolia	Marseliaceae	Phanerophyte
9	Melia azadirachta	Meliaceae	Phanerophyte
90	Memordica diocea	Cucurbitaceae	Therophyte
91	Merremia emerginata	Convolvulaceae	Therophyte
2	Michaelia champaca	Annonaceae	Phanerophyte
EE	Millingtonia hartensis	Bignoniaceae	Phanerophyte
)4	Mimosa hamata	Mimosaceae	Therophyte
5	Mitragyna parviflora	Rubiaceae	Phanerophyte
6	Mollugo cerviana	Aizoaceae	Therophyte
7	Mollugo hirta	Aizoaceae	Therophyte
3	Moringa oleifera	Moringaceae	Phanerophyte
9	Morus alba	Moraceae	Phanerophyte
)	Mucuna prurita	Papillionaceae	Hemicryptophyte
1	Murraya exotica	Rutaceae	Phanerophyte
)2	Murraya koenigii	Rutaceae	Phanerophyte
3	Musa paradisica	Musaceae	Therophyte
	Nymphia sp	Magnoliaceae	Hydrophyte
-	Ocimum americanum	Labiatae	Therophyte
-	Ocimum basillum	Labiatae	Therophyte
	Ocimum basman	Labiatae	Therophyte
3	Ocimum sanctum	Labiatae	Therophyte
_	Oldenlandia umbellate	Convolvulaceae	Therophyte
9			Therophyte
0	Oldenlandiua corymbosa	Rubiaceae	
	Oogeinia oojensis	Papillionaceae	Phanerophyte
2 3	Opuntia dillinii	Opuntiaceae	Therophyte
	Opuntia elator	Cacataceae	Therophyteq
4 5	Oxalis corniculata	Oxalidaceae	Therophyte
	Panicum milliria	Poaceae	Hemicryptophyte
	Panicum notatum	Poaceae	Hemicryptophyte
7	Papaver somniferum	Papaveraceae	Hemicryptophyte
	Parkinsonia aculata	Mimosaceae	Phanerophyte
9	Parthenium hysterophorus	Compositae	Therophyte
0	Paspalum strobilanthus	Passifloraceae	Hemicryptophyte
1	Passiflora foetida	Passifloraceae	Phanerophyte
	Pavonia zeylanica	Malvaceae	Phanerophyte
	Peltophorum ferrusinum	Caesalpinaceae	Phanerophyte
3	Phoenix aculis	Palmae	Phanerophyte
4 5	Phyllanthes asperulatus	Euphorbiaceae	Phanerophyte
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Sr. No.	Technical Name	Family	Life Form
227	Phyllanthes niruril	Euphorbiaceae	Therophyte
228	Phyllanthes reticulates	Euphorbiaceae	Therophyte
229	Physalis minima	Solanaceae	Therophyte
230	Pithocolobium dulce	Mimosaceae	Phanerophyte
231	Polyalthia longifolia	Annonaceae	Phanerophyte
232	Polygala ererptera	Polygalaceae	Therophyte
233	Pongamia pinnata	Fabaceae	Phanerophyte
234	Portulaca oleracea	Portulaccaceae	Therophyte
235	Psidium guava	Myrtaceae	Phanerophyte
236	Punica granulatum	Puniaceae	Therophyte
237	Randia dumatorum	Rubiaceae	Phanerophyte
238	Rosa indica	Rosaceae	Therophyte
239	Rosa machata	Rosaceae	Therophyte
240	Saccharum-munja	Poaceae	Hemicryptophyte
240	Saccharum officinarum	Poaceae	Therophyte
242	Salmalia malabarica	Salmaliaceae	
242			Phanerophyte
	Sapindus emerginatus	Sapindaceae	Phanerophyte
244	Schleichera trijuga	Combretaceae	Phanerophyte
245	Scherebera sweitenoides	Sapindaceae	Phanerophyte
246	Schleichera oleosa	Sapindaceae	Phanerophyte
247	Sesamum indicum	Pedaliaceae	Hemicryptophyte
248	Shorea robusta	Dipterocarpaceae	Phanerophyte
249	Sida orientalis	Malvaceae	Phanerophyte
250	Sida vernanifolia	Malvaceae *	Hemicryptophyte
251	Selanum nigrum	Solanaceae	Therophyte
252	Solanum xanthocarpum	Solanaceae	Therophyte
253	Sterculia villosa	Tiliaceae	Therophyte
254	Stereospermum chelinoides	Bignoniaceae	Phanerophyte
255	Sygyglum cumini	Myrtaceae	Phanerophyte
256	Tamarindus indica	Caesalpinaceae	Phanerophyte
257	Tecomella undulate	Bignoniaceae	Therophyte
258	Tectona grandis	Verbinaceae	Phanreophyte
259	Tephrosia purpuria	Fabaceae	Therophyte
260	Terminalia bellarica	Combretaceae	Phanerophyte
261	Terminalia chebula	Combretaceae	Phanerophyte
262	Terminalia tomentosa	Combretaceae	Phanerophyte
263	Thospora cordifolia	Rhamnaceae	Therophyte
264	Tragus biflorus	Poaceae	Hemicryptophyte
265	Tribulus terrestris	Zygophyllaceae	Therophyte
266	Tridax procumbens	Compositae	Therophyte
267	Triumferta pilosa	Tiliaceae	merophyte
the state of the second s			
268	Vernonia cinera	Compositae	Therophyte
269	Vicoa indica	Compositae	Phanerophyte
270	Vitex Negundo	Verbinaceae	Phanerophyte
271	Vitex negungo	Verbinaceae	Therophyte
272	Vitis vermifera	Vitaceae	Therophyte
273	Vivevera zizanoides	Poaceae	Therophyte
274	Wrightia tomentosa	Apocyanaceae	Phanerophyte
275	Xanthium strumariumk	Compositae	Therophyte
276	Yucca gloriosa	Agavaceae	Therophyte -
277	Zizyphus jujube	Rhamnaceae	Phanerophyte
278	Zizyphus mauritiana	Rhamanaceae	Phanrophyte
Grassla			
279	Apluda mutica	Poaceae	Hemicryptophyte
280	Chloris dolichosta	Poaceae	Hemicryptophyte
281	Cyanodactylon sp	Poaceae	Geophyte
282	Dichanthium annulatum	Poaceae	Hemicryptophyte
283	Inpurta cylendrica	Poaceae	
284	Sachharum spontanseum		Hemicryptophyte
		Poaceae	Hemicryptophyte
285	Themeda quadrivalvis	Poaceae	Hemicryprophyte
286	Aristida adscensionsis	Poaceae	Hemicryptophyte
287	Cenchrus ciliaris	Poaceae	Therophyte
288	Cenchrus setifgera	Poaceae	Therophyte
289	Cymbopogon jwarancusa	Cyperaceae	Hemicrptophyte
290	Cyperus aristatus	Cyperaceae	Therophyte
291	Cyperus triceps	Cyperaceae	Therophyte

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A6-5

Sr. No.	Technical Name				
292	Dactylectinium annualatum	Family	Life Form		
293	Digetaria bicornis	Poaceae	Therophyte		
294	Digetaria Segetaria	Poaceae	Hemicouste		
295	Eragrostis biferia	Poaceae	Hemicryptophyte		
296	Eragrostis tenella	Poaceae	Hemicryptophyte		
297	Ischaomum	Poaceae	Therophyte		
298	Ischaemum rugosum	Poaceae	Therophyte		
299	Setaria glauca	Cyperaceae	Hemicryptophyte		
300	Eulaliopsis binata	Graminae	Hemicryptophyte		
500	Thysanolaena maxima	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

Lochmine I M	- Shiften				
Technical Name	English Name/ Local Name	Wild Life Protection Act	7		
		(1972) Status			
Phlacrocorax niger	Little cormorant				
Nycticorax nycticorax	Night heron	Sch-IV			
Ardeola grayii grayii	Haddy bird	Sch-I∀			
Bubulcus ibis coromandus	i Cattle egret	Sch-IV			
Eudynamys scolopacea	Indian koel	Sch-IV			
Meops philippinus philippinus		Sch-IV			
Dinopium benghalense tehminae	Bluetailed bee-eater	Sch-IV ·	1		
	Malabar golden backed	Sch-IV			
Acridotheres tristis tristis	Woodpecker				
Nectarinia minima	Common myna	Sch-IV	in the second second		
Passer domesticus indicus	Small sunbird	Sch-IV			
Butterflies	Indian house sparrow	Sch-IV			
Hypolimnas bolina Lin.	and take 12	COULTV			
Euploea core Cramer	Great rogfly				
Veptis hylas Moore					
Eurema hecabe Lin.	Common sailor				
Parantica aglea Stoll.	Common grass yellow	-			
fammals	Glassy tiger	-			
		-			
unambulus palmarum	Squirrel				
us sucrofa	Wild pig	Sch-IV			
erpestes edwardii	Common mongoose	Sch-III	2		
ulpus benghalensis	Wild fox	Sch-IV			
ystrix indica	Porcupine	Sch-II			
	1 · secupine	Sch-IV			

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# FAUNA AND THEIR CONSERVATION STATUS IN STUDY AREA (BUFFER ZONE)

Technical Name	English Name/Local Name	Wild Life Protection Act
Aves		(1972)
Phlacrocorax niger	Little cormorant	
Ardea purpurea manilensis	Eastern purple heron	Sch-IV
Nycticorax nycticorax	Night heron	Sch-IV
Ardeola grayii grayii	Paddy bird	Sch-IV
Dupetor flavicollis	Black bittern	Sch-IV
Ardea alba modesta	Large egret	Sch-IV
Bubulcus ibis coromandus	Cattle egret	Sch-IV
filvus migrans govinda	Common pariah kite	Sch-IV
laliastur indus indus	Brahminy kite	Sch-IV
anellus indicus indicus	Redwattled lapwing	Sch-IV
ringa hypoleucos	Common sandpiper	Sch-IV
elochelidon nilotica nilotica	Gullbilled tern	Sch-IV
udynamys scolopacea	Indian koel	Sch-IV
alcyon smyrnensis fusca	Indian white breasted Kingfischer	Sch-IV
eops philippinus philippinus	Bluetailed bee-eater	Sch-IV
	r energies	Sch-IV

Technical Name	English Name/Local Name	Wild Life Protection Act (1972)	
Coracias benghalensis indica	Southern Indian Roller	Sch-IV	1
Dinopium benghalense tehminae	Malabar golden backed Woodpecker	Sch-IV	1
Acridotheres tristis tristis	Common myna	Sch-IV	
Corvus splendens protegatus	Ceylon house crow	Sch-IV	
Nectarinia minima	Small sunbird	Sch-IV	1
Nectarenia, zeylonica sola	Indian purple rumped sunbird	Sch-IV	1
Arachnothera longirostris longirostris	Little spinder hunter	Sch-IV	
Passer domesticus indicus	Indian house sparrow	Sch-IV	
Copsychus saularis ceyonensis	Southern magpie-robin	Sch-IV	12:00.0
Orthotomus sutorius	Tailor bird guzurata	Sch-IV	
Pavocristatus	Peacock	Part-III of Sch-I	1
Amphibians			1
Rana tigriana	Common frog	Sch-IV	1
Buto metanosticus	Toad	Sch-IV	1
Reptiles			1
Calotes versicolor	Lizard	Sch-IV	1
Calates versicolor	Common garden lizard	Sch-IV	1
Chamaleon zeylanicus	Indian chamaeleon	Sch-II	
Lycodon spp.	Wolf snake	Sch-III	
Boiga spp.	Catisnake	Sch-III	
Bangarus spp.	Krajt	Sch-II	
Naja naja	Indian cobra	Sch-III	
Vipera spp.	Russels viper	Sch-III .	1
Phyton sp	Python sp	Sch-I	1
Butterfiles			
Pachliopta hector Lin.	Crimson rose	-	
Papilio demoleus Lin.	Lime butterfly	-	1
Graphium agamemnon Lin.	Tailed jay	-	
Junoria almana Lin.	Peacock pansy		
Hypolimnas bolina Lin.	Great eoofly	-	1.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Euploea core Cramer	Common crow		
Neptis hylas Moore	Common sailor	-	
Eurema hecabe Lin.	Common grass yellow	-	1000
Catopsilia sp.	Emigrant	-	
Mammals			1
Rattus sp.	Rat	Sch-IV	
Lepus nigricollis	Hare	Sch-IV	
Canis auries	Jackal	Sch-III	
Presbytis entellus	Langur	Sch-II	
Presbytis phayrei	Monkey	Sch-I	
Funambulus spp.	Squirrel	Sch-IV	
Funambulus palmarum	Squirrel	Sch-IV Sch-IV	
Sus sucrofa	Wild pig	Sch-III	
Rattus norvegicus	Field mouse	Sch-V	
Rattus rattus	House rat	Sch-V	
Rhinolopus spp.	Bat	Sch-V -	
Hipposiderus spp.	Bat	Sch-V	
Herpestes edwardii	Common mongoose	Sch-IV	
Bandicota indica	Bandicoot	Sch-V	
Bandicota bengalensis	Bandicoot	Sch-V	
Vulpus benghalensis	Wild fox	Sch-III	
Melsurus ursinus	Bear	Sch-III Sch-III	
Hystrix indica	Porcupine		
Axis axis 🖌	Spotted deer	Sch-IV Sch III	
Canis Iupaspallipes	Indian wolf	Sch-III	
Mellivora capensis	Indian Ratel	Part-I of Sch-I	
Elephas maximas	Indian Ratel	Part-I of Sch-I	
Felis chaus	Jungle cat	Part-I of Sch-I	
Parodoxurus hermophroiditus	Indian Small civet	Part-II of sch-II	
Muntiacus muntiacus	Barking deer	Part-I of sch-I	
STUDIED IS DUDIED FIS	DOLKING OPPE	Sch-III	

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Annexure-C

# HINDALCO INDUSTRIES LIMITED

# Samri Bauxite Mines

Self Help Gr	oup (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)								
SI.				No	A/C	Details		
No	SHG Name	Village Name	District Name	Of Members	Members Savings in Bank A/C	Bank Loan Received	Economic Activity Name	
	Gulmohar Self Help							
1	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	
5	Chameli Self Group	Nawatoli (Amtahi)	Balarampur	10	6900.00	-	Program	
6	Nirmala Self Help Group	Amtahi	Balarampur	10	5450.00	50000.00	Agriculture Agriculture	
7	Parwati Self Help Group	Amtahi	Balarampur	10	5500.00	-	Agriculture	
0	Nigrani Self Group		Balarampur	· ·			Stitching	
8	Chandni	Amtahi		10	9580.00	50000.00	Centre	
9	Self Help	Amtahi	Balarampur	10	15850.00	-	Stitching Centre	

	Group						
	Swajaldhara Self Help		Balarampur				
10	Group	Amtahi		10	15000.00 -		Agriculture
10	Savitri Self		Balarampur				
11	Help Group	Amtahi		10	12580.00	-	Agriculture
	Indira		Balarampur				
	Gandhi Self						A grieviteren
12	Help Group	Rajendrapur		10	12000.00	-	Agriculture
	Sonam Self		Balarampur				Agriculture
13	Help Group	Rajendrapur		10	1752.00	-	Agriculture
	Basanti Self	Rajendrapur	Balarampur				Agriculture
14	Help Group	(Pakritoli)		12	22000.00	-	Agriculture
	Saraswati		Balarampur				
	Self Help				10000.00		Agriculture
15	Group	Dumerkholi		10	12600.00	-	Agriculture
	Chameli Self		Balarampur		0000.00	5. S	Agriculture
16	Help Group	Kutku		10	8000.00	-	Agriculture
	Champa		Balarampur				
	Self Help				50000.00		Agriculture
17	Group	Kutku		10	50000.00	-	,
	Genda Self	Tutvihar,	Balarampur				Agriculture
18	Help Group	Kutku		10	12470.00	-	Agriculture
	Chandra		Balarampur				
	Mukhi Self	Samri					Agriculture
19	Help Group	(West)		10	5000.00	-	Agriculture
	Tetri Devi		Balarampur				
	Self Help						Agriculture
20	Group	Kutku		10	7500.00	-	Agriculture
	Khusbu Self	Rajendrapur	Balarampur				Amioulturo
21	Help Group	(Pakritoli)		10	7500.00	-	Agriculture
21	Nuri Self		Balarampur				A
22	Help Group	Saraidih		10	9850.00	-	Agriculture
22		Juluiun	Balarampur				
	Shabnam						
	Self Help	Saraidih		10	11500.00	-	Agriculture
23	Group	Sdraiulli	Balarampur				
	Suhana Self			10	6000.00	-	
24	Help Group	Saraidih	Delensmun				
	Rupa Self		Balarampur		in a the part		
	Self-Help			10	11000.00	-	Agriculture
25	Group	Saraidih		10	11000.00		1.0.11
	Sushila Self		Balarampur				Agriculture
20	Help Group	Banjutoli		10	11050.00	-	Agriculture
26		Danjaton	Balarampur				
	Chameli Self	Data		10	20000.00	) -	Agriculture
27	Help Group	Bata					

at Summer 2

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

Mines Manager Samri Bauxite Mines Hindalco Industries Ltd.

### Annexure-D

# HINDALCO INDUSTRIES LIMITED SAMRI MINES DIVISION

### Year wise /lease wise Afforestation details

Veer	Samri	lease
Year	No. of Saplings	Area in Ha
1998-2017	167211	68.154
2017-18	11681	4.97
2018-19	19730	7.90
2019-20	34360	31.59
2020-21	36160	16.918
2021-22	47307	11.465
2022-23	36511	9.898
2023-24	31651	10.560
2024-25	43094	16.570
Total	427705	178.025

### HINDALCO INDUSTRIES LIMITED

#### Samri Mines Divison

### Ground Water Level Data (October 2024 to March 2025)

Samri Mine Lease Piezometer Reading								
S No	S No Month Depth (meter)							
1	Oct-24	26.5						
2	Nov-24	26.3						
3	Dec-24	27.1						
4	Jan-25	27.7						
5	Feb-25	26.9						
6	Mar-25	27.2						

Anacon Laboratories Pvt. Ltd. Nagpur Lab



# Anacon Laboratories

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MIDC Butibori, Nagpur, Maharashtra, India - 441 122
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♥ https: // www.anaconlaboratories.com

Test Report

Dated 31	1/12/2024		Page 1 of	5
Sample Inward No. Inward Date Reference	EW-1/2-1 23/12/2024		Analysis Start Analysis End Sample Category	24/12/2024 31/12/2024 Water
Sample Particulars / Det GW-1	ails	Purpose of analysis Drinking		
masheel Bhiogade Ntd/7.2/MON-01				
	Sample Inward No. Inward Date Reference Sample Particulars / Det GW-1 masheel Bhiogade	Sample Inward No. ALPL/23122024 EW-1/2-1 Inward Date 23/12/2024 Reference 13562310264; Sample Particulars / Details GW-1 Sampling Date Sampling Time	Sample Inward No.       ALPL/23122024/MON-101- EW-1/2-1         Inward Date       23/12/2024         Reference       13562310264; 17.05.2024         Sample Particulars / Details GW-1       Purpose of analysis Drinking         Sample Bhiogade       Sampling Date: 18/12/2024	Sample Inward No.         ALPL/23122024/MON-101- EW-1/2-1         Analysis Start           Inward Date         23/12/2024         Analysis End           Reference         13562310264; 17.05.2024         Sample Category           Sample Particulars / Details GW-1         Purpose of analysis Drinking         Quantity F           Sampling Date:         18/12/2024         Sampling Lot           masheel Bhiogade         Sampling Time:         2:55 nm         GNC Category

Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil

S.N.	Test Parameter	Measurement Unit	Test Method	Require IS 105 (Drinking Wat Including Ar	Test Result				
				Acceptable Limit	Permissible Limit #				
1	Discipline : Biological Group : Water								
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	14			
2	Escherichia coli	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)			
Ш		D	iscipline : Chemical Group :	Water					
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	152.25			
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)			
5	Anionic Detergents (as MBAS)	mg/l	IS 13428 : (Annex K)	0.2	1.0	BLQ (LOQ-0.01)			
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)			
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)			
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	49.53			
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	16.8			
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)			
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)			
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)			
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	6.31			
14	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 23 <sup>rd</sup> edition: Method 4500-NO3	45	No relaxation	4.16			
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable			
16	рН	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.84			
17	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)			
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	9.27			
19	Taste	-	IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable			
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	167			
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ(LOQ-0.1)			
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	68			
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)			
24	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ-0.001)			

Please refer last Page for Note and Remarks. Verified By

**Snehal Raut** 

**Technical Manager** 

Kashish Dhanrajani Dy Technical Manager

Authorized Signatories

Pooja Kathane Technical Manager

Chinmay Garway ty Quality Ma hager

ON LABORATOPRIS

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.





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## Test Report

Test Report No.: ALPL/31122024/1-20	Dated 31/12/2024			Page 2 of 5	
Issued To : M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.	Sample Inward No. Inward Date Reference	ALPL/23122024/ EW-1/2-1 23/12/2024 13562310264; 17	Analysis Start Analysis End Sample Category	24/12/2024 31/12/2024 Water	
Sample Description Water	Sample Particulars / I GW-1	Details	Purpose of analysis Drinking	Quantity Received 5 Ltr	
Sampled by Anacon representative Mr. Dharmasheel Bhiogade as per Sampling Method No.ANtd/7.2/MON-01		Sampling Date: Sampling Time:	18/12/2024 2:55 pm	Sampling Location GNC Camp	

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	Requirer IS 105 (Drinking Wate Including An	Test Result				
				Acceptable Limit	Permissible Limit #				
11	Discipline : Chemical	Group : Residu	ues and contaminants in	n water					
25	Arsenic (as As)	mg/l	IS 3025 (Part 37)	0.01	No relaxation	0.01			
26	Aluminium (as Al)	mg/l	IS 3025 (Part 2)	0.03	0.2	0.03			
27	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	0.05			
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	1.0 No relaxation				
32	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01 No relaxation		0.01			
33	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	0.06			
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		0.02			
37	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ (LOQ-0.02)			
38	Polynuclear aromatic hydrocarbon (PAH)	µg/l	ANtr/7.2/RES/03	0.1	No relaxation	BLQ (LOQ-0.03)			
11	Discipline : Chemical	Group : Residu	es contaminants in wat	er					
41	Polychlorinated biphenyls								
	2,2',5-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04		1	BLQ (LOQ-0.03)			
	2,4,4'-trichlorobiphenyl	µg/l	ANtr/7.2/RES/04	-	No relaxation	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	0.5		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

Pillewan Pradrya Deputy Technical Manager

dlanvo Kashish Dhanrajani Deputy Technical Manager

Signatory Pooja Kathane Technical Manager

uthorized Signatory Chinnay G uty Quality

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**.



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Test Report

Test I	Report No.: ALPL/31122024/1-20	Dat	ted 31/12/2024		Page	3 of 5			
Issued To : M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.		Sample Inward N Inward Date Reference	o. ALPL/231220 EW-1/2-1 23/12/2024 13562310264		Analysis Start Analysis End	24/12/2024 31/12/2024			
-90e-50-66	Sample Description	Sample Particulars	Sample Particulars / Details		Sample Catego				
	Water	GW-1			S Quantity Received 5 Ltr				
Sampled by Anacon representative Mr. Dharmasheel as per Sampling Method No.ANtd/7.2/N		rmasheel Bhiogade ANtd/7.2/MON-01				ng Location C Camp			
ests I	required, Polynuclear aromatic h	ydrocarbons, Trihalomet	PERCENT INVESTIGATION OF A DESCRIPTION OF A						
S.N	Test Parameter	Measurement Unit	TEST RESULTS Test Method	IS 105 (Drinking Wate Including Am	nent as per 00 : 2012 er Specifications) nendment No. 4	Test Result			
				Acceptable Limit	Permissible Limit #				
Ш	Discipline : Chemical	Group : Residues	contaminants in wa						
42	Polynuclear aromatic hydrocarbons								
	Naphthalene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Acenaphthylene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Acenaphthene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Fluorene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Anthracene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Phenanthrene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Fluoranthene	µg/l	ANtr/7.2/RES/04	_		BLQ (LOQ-0.03			
	Pyrene	µg/l	ANtr/7.2/RES/04	0.1		BLQ (LOQ-0.03			
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04	- 0.1	No relaxation	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	tr/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	hð\l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Dibenzo(a,h)anthracene	hð\l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
	Benzo(ghi)perylene	hð\l	ANtr/7.2/RES/04			BLQ (LOQ-0.03			
43	Trihalomethanes								
i	Bromoform	mg/l		0.1	No relaxation	BLQ (LOQ-0.05			
ii	Dibromochloromethane	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05			
III	Bromodichloromethane	mg/l	ANU/1.2/RE0/04	0.06	No relaxation	BLQ (LOQ-0.05			
iv	Chloroform	mg/l		0.2	No relaxation	BLQ (LOQ-0.05			

Verified By

6lun 8

Kashish Dhanrajani Deputy Technical Manager Signatory

Pooja Kathane **Technical Manager** 

Authorized Signatory



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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.



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Test Report

Test	Report No.: ALPL/31122024/1-20	1	Dated 31/12/2024					Page 4 of 5		
Issued To : M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.		Inward Date 23/		EW-1/2-1 23/12/202	ALPL/23122024/MON-101- EW-1/2-1 23/12/2024 3562310264; 17.05.2024		A	nalysis Start nalysis End	24/12/2024 31/12/2024 v Water	
5	Sample Description	Sample Partie	I/7.2/MON-01		Purpose of analysis		Sample Category Wate Quantity Received			
	Water	G			Drinking Date: 18/12/2024		ng		5 Ltr	
	Sampled by Anacon representative Mr. Dharm as per Sampling Method No.AN	Itd/7.2/MON-01						Sampling Location GNC Camp		
<b>Fests</b>	required - Pesticide Residues Orga	nochlorine	TE							
S.N.	Test Parameter	Measurement Unit				Requirement as per IS 10500 : 2012 Drinking Water Specifica Including Amendment N		cations) No. 4	Test Result	
	Discipline : Chemical	Crown - Deald			100	table Limit	Permis	sible Limit #		
44	Discipline : Chemical Group : Residues contaminants in water									
0500	Pesticide Residues Organochlorin									
1	Alpha-HCH	µg/l	ANtr/7.2/RES/0			0.01	No	relaxation	BLQ (LOQ-0.01	
	Beta HCH	µg/I	ANtr/7.2/RES/0			0.04	No	relaxation	BLQ (LOQ-0.03	
	Delta- HCH	µg/I	ANtr/7.2/RES/01			0.04	No	relaxation	BLQ (LOQ-0.03	
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01			2	No	relaxation	BLQ (LOQ-0.03	
3	Alachlor	µg/l	ANtr/7.2/RES/01			20	No	relaxation	BLQ (LOQ-0.03	
4	Aldrin	µg/l	ANtr/7.2/RES/01			0.03	No	relaxation	BLQ (LOQ-0.03	
_	Dieldrin	µg/l	ANtr/7.2/RES/0			0.03	No	relaxation	BLQ (LOQ-0.03	
5	Butachlor	µg/l ANtr/		/7.2/RES/01		125	No	relaxation	BLQ (LOQ-0.03	
	p,p´-DDE, o,p´-DDE, p,p´-DDD, o,p`-DDD, o,p´- DDT, p,p´- DDT	µg/l	ANt	r/7.2/RES/01					BLQ (LOQ-0.03	
		µg/l	ANt	r/7.2/RES/01					BLQ (LOQ-0.03	
6		µg/l	ANtr/7.2/RES			1		No relaxation	BLQ (LOQ-0.03	
		µg/l	µg/l ANtr/7.2/RES/0						BLQ (LOQ-0.03	
		µg/l	µg/l ANtr/7.2/RES						BLQ (LOQ-0.03	
		µg/l	ANt	r/7.2/RES/01				BLQ (LOQ-0.03		
7	Atrazine	µg/l	ANtr/7.2/RES/0			2	No	relaxation	BLQ (LOQ-0.03	
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7.2/RES/0			30	No	relaxation	BLQ (LOQ-0.03	
9	Endosulphan								- AC:	
	Alpha-Endosulphan						1			
	Beta-Endosulphan	µg/l	ANtr/7.2/RES/01		0.4	0.4	N	No relaxation	BLQ (LOQ-0.03	
	Endosulphan sulphate	-					1997 (San San San San San San San San San San			

Verified By

dremrujan Kashish Dhanrajani Deputy Technical Manager

Signatory

Pooja Kathane Technical Manager

Authorized Signatory

0 hinmay Gaway outy Quality Manager



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#### Test Report

Test Report No.: ALPL/31122024/1-20	Dated 3	31/12/2024		Page 5 of	f 5
Issued To : M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.	Sample Inward No. Inward Date Reference	ALPL/23122024 EW-1/2-1 23/12/2024 13562310264; 1		Analysis Start Analysis End	24/12/2024 31/12/2024
Sample Description Water	Sample Particulars / D GW-1	etails	Purpose of analysis Drinking	Sample Category Quantity I 5 L	
Sampled by Anacon representative Mr. Dha as per Sampling Method No	rmasheel Bhiogade	Sampling Date Sampling Time	: 18/12/2024	Sampling L GNC Ca	
Tests required - Pesticide Residues Or					
the second se	TE	ST RESULTS			

S.N.	Test Parameter	Measurement Unit	Test Method	Requirer IS 105 (Drinking Wate Including An	Test Result	
				Acceptable Limit	Permissible Limit #	
IV		Discipline : Chemical	Group : F	tesidues contamin	ants in water	
45	Pesticide Residues Organoph	osphorus				
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	-	8	BLQ (LOQ-0.03)
14	Ethion	µg/I	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		ANtr/7.2/RES/01			
	Phorate-sulfone	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03
	Phorate-sulfoxide					

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

Kellamaja Kashish Dhanrajani Deputy Technical Manager

Signatory

Pooja Kathane **Technical Manager** 

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

Authorized Signatory hinmay Gam av outy Quality anager



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#### Test Report

Test Report No.: ALPL/15042025/4- ssued To : M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, DistL:-Balrampur (C.G.) - 497 222.	1 Dated 15/04/2024 Sample Inward No. Inward Date Reference	ALPL/31032025 EW-1/4-1 31/03/2025 13562310264; 1		Page 1 of 5 Analysis Start Analysis End Sample Category	01/04/2025 14/04/2025 Water
Sample Description Water	Sample Particulars / Det GW-1	ails	Purpose of analysis Drinking	Quantity I	Received
Sampled Anacon representative Mr as per Sampling Method N	r. Akshay Babulkar	Sampling Date: Sampling Time		Sampling L ATM Ou	

Tests required Coliform, Escherichia coli, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil TEST RESULTS

			TEST RESULTS				
S.N.	Test Parameter	Test Parameter Measurement Test Method		IS 10 (Drinking Wat Including A Acceptable	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4 Acceptable Permissible Limit Limit #		
1		Dis	scipline : Biological Group	: Water	Linnt#		
1	Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)	
2	Escherichia coli	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)	
11		D	iscipline : Chemical Group	: Water			
3	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	168.23	
4	Ammonia (as N)	mg/l	IS 3025 (Part 34)	0.5	No relaxation	BLQ (LOQ-0.1)	
5	Anionic Detergents (as MBAS)	mg/l	IS 3025 (Part 68)	0.2	1.0	BLQ (LOQ-0.01)	
6	Colour	Hazen units	IS 3025 (Part 4) Clause 4	5	15	BLQ(LOQ-1)	
7	Cyanide (as CN)	mg/l	IS 3025 (Part 27/Sec 1) Clause 5	0.05	No relaxation	BLQ (LOQ-0.005)	
8	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	55.32	
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	21.23	
10	Chloramines (as Cl <sub>2</sub> )	mg/l	IS 3025 (Part 26)	4.0	No relaxation	BLQ (LOQ-0.1)	
11	Free Residual Chlorine	mg/l	IS 3025 (Part 26) Clause 7	0.2	1	BLQ (LOQ-0.1)	
12	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)	
13	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	5.23	
14	Nitrate (as NO <sub>3</sub> )	mg/l	IS 3025 (Part 34/ Sec1) Clause 6.4	45	No relaxation	5.29	
15	Odour	-	IS 3025 (Part 5)	Agreeable	Agreeable	Agreeable	
16	pН	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.21	
17	Phenolic compounds	mg/l	IS 3025 (Part 43/Sec 1) Clause 6	0.001	0.002	BLQ (LOQ-0.001)	
18	Sulphate (as SO <sub>4</sub> )	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	11.26	
19	Taste		IS 3025 (Part 8)	Agreeable	Agreeable	Agreeable	
20	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	152.32	
21	Turbidity	NTU	IS 3025 : (Part 10)	1	5	BLQ(LOQ-0.1)	
22	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025 (Part 21) Clause 5	200	600	112	
23	Sulphide (as H <sub>2</sub> S)	mg/l	IS 3025 (Part 29)	0.05	No relaxation	BLQ (LOQ-0.03)	

Please refer last Page for Note and Remarks. Verified By

1002 Snehal Raut Technical Manager

Kashish Dhanrajani Dy Technical Manager

Authorized Signatories

faithingle Dr. Anupa Tankhiwale Sr. Technical Manager

Chinmay Garwa Deputy Quality Manager



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Test Report

Test F	Report No.: ALPL/15042025/4-1	Dated 15/04	/2024	Page 2 of 5		
amari	To : ndalco Industries Limited Bauxite Mines, P.O. Kusmi, Balrampur (C.G.) - 497 222.	Sample Inward Inward Date Reference	No. ALPL/31032025/ EW-1/4-1 31/03/2025 13562310264; 13	MON-241-	Analysis Sta Analysis End Sample Cate	<b>1 1 4</b> /04/2025
S	ample Description	Sample Particula		Purpose of analysis	Quan	tity Received
Water Sampled by Anacon representative Mr. Ak: as per Sampling Method No.AN			Sampling Date: Sampling Time:	Drinking 23/03/2025 2:55 pm		5 Ltr ling Location TM Outlet
ests i Linc, F	equired Arsenic, Aluminium, Bariu Polynuclear aromatic hydrocarbon (P	n, Boron, Copper, Ca	biphenyls	nganese, Mercury, Sele	nium, Total Chro	mium,
S.N.	Test Parameter	Measurement Unit	TEST RESULTS	Requirement IS 10500 (Drinking Water S Including Ament Acceptable	: 2012 pecifications) dment No. 4	Test Result
				Acceptable Limit	Permissible Limit #	
Ш	Discipline : Chemical	Group : Residu	es and contaminants i	n 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	0.03
26	Barium (as Ba)	mg/l	IS 3025 (Part 2)	0.7	No relaxation	0.04
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-0.00)
30	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.74
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	0.04
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
11	Discipline : Chemical	Group : Residue	s contaminants in wat	er		
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			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	-	22 - 12 - 12	BLQ (LOQ-0.03
	2,2',3,4,4',5'-hexachlorobiphenyl	µg/l	ANtr/7.2/RES/04	0.5	No relaxation	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.

Dhanashree Hiwanj

Sr. Technical Assistant

TKastlish Dhanrajani Deputy Technical Manager

Aythorized Signatory

Chimnay Garway Deputy Quality Manager

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<u>Test Report</u>

	and the second se				
o.: ALPL/15042025/4-1	Dated 15/04/2	024	Page 3 of 5		
ndustries Limited Mines, P.O. Kusmi, Jr (C.G.) - 497 222.	Sample Inward No Inward Date Reference	EW-1/4-1 31/03/2025		Analysis Start Analysis End Sample Catego	01/04/2025 14/04/2025
Description ater	Sample Particulars GW-1	/ Details	Purpose of analysi Drinking		tity Received 5 Ltr
acon representative Mr. A	kshay Babulkar				ng Location A Outlet
				-	
		TEST RESULTS			
Test Parameter	Measurement Unit	Test Method	IS 1050 (Drinking Water	0 : 2012 Specifications)	Test Result
			Acceptable Limit	Permissible Limit #	4
line : Chemical	Group : Residues	contaminants in v	vater		_
clear aromatic hydrocarbo	ons				
nalene	µg/l	ANtr/7.2/RES/04			BLQ (LOQ-0.03)
lalene	P9.1				DEG (1000 0.00)
	Adustries Limited Mines, P.O. Kusmi, Ir (C.G.) - 497 222. Description ater Sampled by acon representative Mr. A er Sampling Method No.A , Polynuclear aromatic hy Test Parameter line : Chemical clear aromatic hydrocarbo	Sample Inward Not Mines, P.O. Kusmi, Ir (C.G.) - 497 222.     Sample Inward Not Inward Date Reference       Description ater     Sample Particulars GW-1       Sampled by acon representative Mr. Akshay Babulkar er Sampling Method No.ANtd/7.2/MON-01 , Polynuclear aromatic hydrocarbons, Trihalometh       Test Parameter     Measurement Unit       Ine : Chemical     Group : Residues	ALPL/31032         Mines, P.O. Kusmi,       Inward Date       31/03/2025         Reference       1356231026         Description       Sample Particulars / Details         ater       GW-1         Sampled by       Sampling D         acon representative Mr. Akshay Babulkar       Sampling D         er Sampling Method No.ANtd/7.2/MON-01       Sampling Tr         Polynuclear aromatic hydrocarbons, Trihalomethanes       TEST RESULTS         Test Parameter       Measurement       Test Method         line : Chemical       Group : Residues contaminants in v         clear aromatic hydrocarbons       Coup : Residues contaminants in v	ALPL/31032025/MON-241- EW-1/4-1         Mines, P.O. Kusmi, ir (C.G.) - 497 222.       Inward Date Reference       31/03/2025         Description ater       Sample Particulars / Details GW-1       Purpose of analysi Drinking         Sampled by acon representative Mr. Akshay Babulkar er Sampling Method No.ANtd/7.2/MON-01       Sampling Date: 2:55 pm       23/03/2025         Polynuclear aromatic hydrocarbons, Trihalomethanes       Test RESULTS       Requirem IS 1050 (Drinking Water Including Ame         Test Parameter       Measurement Unit       Test Method       Requirem Is 1050 (Drinking Water Including Ame         Ine : Chemical       Group : Residues contaminants in water       Clear aromatic hydrocarbons	ALPL/31032025/MON-241- EW-1/4-1       Analysis Start         Inward Date Mines, P.O. Kusmi, irr (C.G.) - 497 222.       Sample Inward No.       ALPL/31032025/MON-241- EW-1/4-1       Analysis Start         Description ater       Sample Particulars / Details GW-1       Purpose of analysis Drinking       Quant         Sampled by acon representative Mr. Akshay Babulkar er Sampling Method No.ANtd/7.2/MON-01       Sampling Date: Sampling Time:       23/03/2025 2:55 pm       Sampling ATM         Polynuclear aromatic hydrocarbons, Trihalomethanes       TEST RESULTS       Requirement as per IS 10500 : 2012       Start Analysis Start         Test Parameter       Measurement Unit       Test Method       Requirement as per IS 10500 : 2012       Permissible Limit       Permissible Limit         Iine : Chemical       Group : Residues contaminants in water       Group : Residues contaminants in water       Clear aromatic hydrocarbons

	Naphthalene	hgu	ANII//.2/RES/04			BLQ (LOQ-0.03)
	Acenaphthylene	µg/l	ANtr/7.2/RES/04	1	1	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	0.1	Na selevation	BLQ (LOQ-0.03)
	Benzo(a)anthracene	µg/l	ANtr/7.2/RES/04		No relaxation	BLQ (LOQ-0.03)
	Chrysene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Benzo(a)pyrene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Benzo(b)fluoranthene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Benzo(k)fluoranthene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Indeno(123,cd)pyrene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Dibenzo(a,h)anthracene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
	Benzo(ghi)perylene	µg/l	ANtr/7.2/RES/04	1		BLQ (LOQ-0.03)
43	Trihalomethanes					
i	Bromoform	mg/l		0.1	No relaxation	BLQ (LOQ-0.05)
ii	Dibromochloromethane	mg/l	ANtr/7.2/RES/04	0.1	No relaxation	BLQ (LOQ-0.05)
iii	Bromodichloromethane	mg/l	ANU/7.2/RE5/04	0.06	No relaxation	BLQ (LOQ-0.05)
iv	Chloroform	mg/l		0.2	No relaxation	BLQ (LOQ-0.05)
-	- Longer and the second s					

Please refer last Page for Note and Remarks.

Verified By

Shale 7 Kashish Dhanrajani Deputy Technical Manager

Authorized Signatory l Chinmay Garwa Deputy Quality Manager



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Test Report

Test	Report No.: ALPL/15042025/4-1	Dated 15/0	04/2024			Page 4 of 5					
Samar	<b>d To :</b> Indalco Industries Limited i Bauxite Mines, P.O. Kusmi, Balrampur (C.G.) - 497 222.	Sample Inward Inward Date Reference	i No.	ALPL/31032 EW-1/4-1 31/03/2025 1356231026			An	alysis Start alysis End mple Categor	01/04/2025 14/04/2025 v Water		
	Sample Description Water	Sample Particulars				Purpose analysi	of s		ity Received		
	Sampled by Anacon representative Mr. Aks as per Sampling Method No.AN	shay Babulkar td/7.2/MON-01		Sampling E Sampling T		Drinkin 23/03/2025 2:55 pm	9		5 Ltr g Location Outlet		
ests	required - Pesticide Residues Organ	nochlorine	TEOT	DEQUE TO		_					
S.N.	Test Parameter	Measurement Unit	Test M		1	Requireme IS 10500 rinking Water ncluding Ame	) : 2012 Specific ndment	ations) No. 4	Test Result		
					1000	able Limit	Permis	sible Limit #			
III	Discipline : Chemical	Group : Residu	es contai	minants in v	water		5				
44	Pesticide Residues Organochlorine	•									
1	Alpha-HCH	µg/I	ANtr/7.2/RES/01			0.01	No	relaxation	BLQ (LOQ-0.01		
	Beta HCH	µg/l	ANtr/7.2/RES/01			0.04	No	relaxation	BLQ (LOQ-0.03		
	Delta- HCH	µg/l	ANtr/7.2/RES/01		µg/l ANtr/7.2/RES/0			0.04	No	relaxation	BLQ (LOQ-0.03
2	Gamma - HCH (Lindane)	µg/l	ANtr/7.2/RES/01		µg/l ANtr/7.2/RES/C			2	No	relaxation	BLQ (LOQ-0.03
3	Alachlor	µg/l	ANtr/7	.2/RES/01		20	No	relaxation	BLQ (LOQ-0.03		
4	Aldrin	µg/l	ANtr/7	.2/RES/01		0.03	No	relaxation	BLQ (LOQ-0.03		
	Dieldrin	hð\l	ANtr/7	2/RES/01		0.03	No	relaxation	BLQ (LOQ-0.03		
5	Butachlor	µg/l	ANtr/7	.2/RES/01		125	No	relaxation	BLQ (LOQ-0.03		
		hð\l	ANtr/7	.2/RES/01					BLQ (LOQ-0.03		
		µg/l	ANtr/7	.2/RES/01					BLQ (LOQ-0.03		
6	p,p'-DDE, o,p'-DDE, p,p'-DDD,	µg/l	ANtr/7	2/RES/01		1			BLQ (LOQ-0.03		
	o,p'-DDD, o,p'-DDT, p,p'-DDT	hð\l	ANtr/7	2/RES/01		3	NO	relaxation	BLQ (LOQ-0.03		
		µg/l	ANtr/7	2/RES/01					BLQ (LOQ-0.03		
		hð\l	ANtr/7	2/RES/01					BLQ (LOQ-0.03		
7	Atrazine	µg/l	ANtr/7	2/RES/01		2	No	relaxation	BLQ (LOQ-0.03		
8	2,4-Dichlorophenoxyacetic acid	µg/l	ANtr/7	2/RES/01		30	No	relaxation	BLQ (LOQ-0.03		
9	Endosulphan										
	Alpha-Endosulphan										
	Beta-Endosulphan	µg/l	ANtr/7	2/RES/01		0.4	No	relaxation	BLQ (LOQ-0.03		
	Endosulphan sulphate					583 M. (94)		n na star se	and a state of a state of the s		

Please refer last Page for Note and Remarks.

Verified By

Shall 4 Kashish Dhanrajani

Deputy Technical Manager

**Authorized Signatory** Opinimay 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 and any services at every stage of your interaction with us.



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Test Report

Issued To :Sample Inward No.ALPL/31032025/MON-241- EW-1/4-1M/s Hindalco Industries Limited Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.Inward Date Reference31/03/2025Reference13562310264; 17.05.2024	Analysis Start         01/04/2025           Analysis End         14/04/2025
DistBairampur (C.G.) - 497 222.	Sample Category Water
Sample Description Sample Particulars / Details Purpose of an Water GW-1 Drinking	
Sampled by         Sampling Date:         23/03/2025           Anacon representative Mr. Akshay Babulkar         Sampling Time:         2:55 pm           as per Sampling Method No.ANtd/7.2/MON-01         2:55 pm	Sampling Location ATM Outlet

_			TEST RESULTS			
S.N.	Test Parameter	Measurement Unit	Test Method	Require IS 105 (Drinking Wat Including Ar	Test Result	
				Acceptable Limit	Permissible Limit #	
IV	1	Discipline : Chemical	Group : F	lesidues contamir	ants in water	
45	Pesticide Residues Organopho	osphorus				
10	Isoproturon	µg/l	ANtr/7.2/RES/02	9	No relaxation	BLQ (LOQ-0.03)
11	Monocrotophos	µg/I	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/I	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		ANtr/7.2/RES/01			
	Phorate-sulfone	µg/l	ANtr/7.2/RES/01	2	No relaxation	BLQ (LOQ-0.03)
	Phorate-sulfoxide					-

NOTE: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only

Test report shall not be reproduced except in full without prior written approval of Anacon Labs. 
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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'.
\*/ug/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).

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

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

Kashish Dhanrajani Deputy Technical Manager

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





	١	10 OB.	JECTIO	N CER	भूजल TIFICA	निकासी हे TE (NOC	तु अनाप ) FOR	गत्त प्रमा GROU	미 <b>प</b> त्र ND WA	ATER A	BSTRAC	CTION		
PROJE	CT NAM	IE SA	MRI B	UXIT		E OF M/S	HIND	ALCO	INDUS	STRIES	LIMITE	D		
PROJE	CT ADD	RESS	VILLA	GE SA		LOCK KI	JSMI			PIN	I CODE	4972	24	
STATE	СННА	TTISG	ARH		DIS	TRICT E	BALRA	MPUR		TO	WN/BLC	DCK K	USMI	
COMM	IUNICAT	ION A	DDRES	S MI	NES D	IVISION,	COUF		D		101	×		
	ESS OF pedi Na					Reena sgarh.	Apart	ment, 2	2nd Fl	oor, NH	l 43, Dh	amtari	Road,	
1. NO	C NO.	NOC/N	IIN/CG	/2025	/1744/	′R-3/3	2.	DATE	OF ISS	SUANC	E <b>25/0</b>	3/202	5	
3. AF	PLICAT		D. MIN	/CG/2	2025/1	744/R-3	4.	APPLI	CATIO	ΝΤΥΡ	E Minin	ng		
5. PF	ROJECT	STATU	S Exis	ting P	roject		6.	NOC T	YPE	Renew	,			
7. VA	LID FRO	M 29	/04/20	25			8.	VALID	UP TO	28/0	)4/2027	,		
9. WA	ATER QU	IALITY	TYPE	Fresh	n Water			AREA 024)	TYPE	CATE	GORY S	Safe (	GWRE	-
11. Gr	round W	ater Al	ostract	on Pe	rmitteo	d b								
11. Gr		ater Al bstrac		on Pe	rmitteo		vaterin	g				Total		
11. Gr m³/da	GW A		tion	ion Pe	rmitteo m³/da	Dew	/aterin			m³/da		_	year	
	GW A	bstrac	tion vear	ion Pe		Dew	-	/ear		m <sup>3</sup> /da 9.40		m³/	<b>year</b> 4.00	
m <sup>3</sup> /da 9.40	GW A y	bstrac m³/y 3134	tion /ear 1.00		m³/da 0.00	Dew	m³/y 0.00	/ear	res			m³/		
m <sup>3</sup> /da 9.40	GW A y etails of	bstrac m³/y 3134	tion /ear 4.00 d Wate		m³/da 0.00	Dew iy n /Dewate	m³/y 0.00	/ear ) Structu	res		y	m³/	4.00	
m <sup>3</sup> /da 9.40	GW A y etails of	bstrac m³/y 3134 Groun	tion /ear 4.00 d Wate		m³/da 0.00	Dew iy n /Dewate	m <sup>3</sup> /y 0.00 ering S	/ear ) Structu	res		y	m³/	4.00	Pu
m <sup>3</sup> /da 9.40 12. D	GW A y etails of EXI	bstrac m³/y 3134 Groun STING	tion vear 4.00 d Wate	r Abst	m <sup>3</sup> /da 0.00 ractior	Dew ny n /Dewate PROP	m <sup>3</sup> /y 0.00 ering S POSED	vear Structu 0		9.40	у ТС	m <sup>3</sup> / 313 DTAL	4.00 1	Pu 0
m <sup>3</sup> /day 9.40 12. D DW 0	GW A y etails of EXI DCB 0	bstrac m³/y 3134 Groun STING BW 1	tion /ear 4.00 d Wate 1 TW 0	r Abst Pu 0	m <sup>3</sup> /da 0.00 raction DW 0	Dew hy n /Dewate PROP DCB	m³/y 0.00 ering S POSED BW 0	vear Structu 0 TW 0	Pu 0	<b>9.40</b> DW 0	y TC DCB 0	m <sup>3</sup> /2 313 DTAL BW	4.00 1 TW	
m <sup>3</sup> /day 9.40 12. D DW 0 *DW-D	GW A y etails of EXI DCB 0	bstrac m³/y 3134 Groun STING BW 1 ; DCB-	tion /ear 4.00 d Wate 1 TW 0	r Abst Pu 0	m <sup>3</sup> /da 0.00 raction DW 0	Dew hy /Dewate PROP DCB 0	m³/y 0.00 ering S POSED BW 0	vear Structu 0 TW 0	Pu 0	<b>9.40</b> DW 0	y TC DCB 0	m <sup>3</sup> /2 313 DTAL BW	4.00 1 TW	
m <sup>3</sup> /day 9.40 12. D DW 0 *DW-D	GW A y etails of EXI DCB 0 Uug Well . Of Mine	bstrac m³/y 3134 Groun STING BW 1 ; DCB-	tion /ear 4.00 d Wate 1 TW 0	r Abst Pu 0	m <sup>3</sup> /da 0.00 raction DW 0 re Well	Dew hy /Dewate PROP DCB 0	m³/y 0.00 ering S POSED BW 0	vear Structu 0 TW 0	Pu 0	<b>9.40</b> DW 0	y TC DCB 0	m <sup>3</sup> /2 313 DTAL BW 1	4.00 1 TW	

# 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)

ANACON

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Test Report

Ambient Air Quality-October-2024

Page 1 of 1

Report No.:-	ALPL/05112024/1-1	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/84-1
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 03/10/2024 to 28/10/2024)	Sample Inward Date	14.21,28,31 December-2024
Test Started On:-	14.21,28,31 December-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7 2/Mon-01	1	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>2</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
ι.	Discipline: Cher	nical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
		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)
440.4	Samri-Gopatu/	14/10/2024	56.3	18.7	9.4	21.4	BLQ (LOQ-0.5)
AAQ-1	Near Weigh bridge	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)
,	AAQMS Standard	5	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANItr/7.2/RES- INORG/04	ANII/7 2/RES- INORG/04	ANtr/7 2/RES- INORG/04
		03/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOG-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)
AAQ-1	Samri-Gopatu/	14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
1010-1	Near Weigh bridge	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 watermark 'Original Text Report' to co		1.0 (24 hrs)	-	6.0 (annual)	

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BLQ= below limit of quantification. 

Environmental condition - Satisfactory.

Statement of <u>Remark</u>: - All Results are within Limit as per NAAQMS Standards.





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Test Report

Ambient Air Quality-October-2024

Page 1 of 1

Report No.:-	ALPL/05112024/1-2	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-2
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 03/10/2024 to 28/10/2024)	Sample Inward Date	14.21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Mothod	ANtd/7.2/Mon-01	- to the second s	- des constructions and the second

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
- <b>I.</b>	Discipline: Che	mical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
		03/10/2024	51.3	23.6	12.4	21.9	BLQ (LOQ-0.5)
		07/10/2024	56.1	21.4	13.9	24.7	BLQ (LOQ-0.5)
		10/10/2024	47.3	24.9	9.3	18.6	BLQ (LOQ-0.5)
	Dhandiapat/	14/10/2024	54.7	28.6	11.6	21.4	BLQ (LOQ-0.5)
AAQ-2	Nr. Mining Area	17/10/2024	56,3	21.6	14.2	19.3	BLQ (LOQ-0.5)
		21/10/2024	48.1	21.7	11.9	18.7	BLQ (LOQ-0.5)
		24/10/2024	54.7	23.4	12.7	21.9	BLQ (LOQ-0.5)
		28/10/2024	56,3	24.9	9.3	17.3	BLQ (LOQ-0.5)
ħ	AAQMS Standard	ts	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m³	Mercury as Hg µg /m³	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>1</sup>
Test Method			ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
	Dhandiapat/	10/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-2		14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-2	Nr. Mining Area	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 Standard		1.0 (24 hrs)		6.0 (annual)	

NOTES: Please see watermark 'Original Test Report' to confern the authenticity of this report. 
Results shall be referred to tested sample(4) and applicable to tested parameters only. 
Test report shall not be conformity insued on the basis of decision rule as per quality procedure (QP/7.6/05).
Remark: - All Results are within Limit as per NAAQMS Standards.





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Test Report

Page 1 of 1

Report No.:-	ALPL/05112024/1-3	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-3
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 03/10/2024 to 28/10/2024)	Sample Inward Date	14,21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01		

Ambient Air Quality-October-2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	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 Pr	Material or Product tested : Ambient Air		
		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)
	1	10/10/2024	61.8	18.1	9.4	19.3	BLQ (LOQ-0.5)
NAME:	Kutku Village/	14/10/2024	59.3	19.3	9.7	18.4	BLQ (LOQ-0.5)
AAQ-3	Nr. V.T. Center	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)
1	NAAQMS Standard	5	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsonic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>9</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04	ANIr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)	8LQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
0.02121	Kutku Village/ Nr. V.T. Center	14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-3		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 Standard	5	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
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Authorized Signatory Verified by Signatory Shinmay Garw Spehal Prade Pooja Kathane **Technical Manager** eputy Quality M Deputy Technical Manager **Technical Manager** ager ----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.



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Test Report

Page 1 of 1

	Ambient Air Qua	ility-October-2024	(1)175807-11053-111
Report No .:-	ALPL/05112024/1-4	Report Date:-	05/11/2024
issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-4
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 03/10/2024 to 28/10/2024)	Sample Inward Date	14,21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01	a starte a market and state to be a series	and some state and some states and some states
Test Started On:-	Period 03/10/2024 to 28/10/2024) 14,21,28,31 October-2024		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
_	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Che	mical	Group: Atmospheric Pollution		Material or Product tested : Ambient Air		
		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)
	Dumerkholi/	14/10/2024	61.7	24.9	9.7	17.3	BLQ (LOQ-0.5)
AAQ-4	Nr. Mining Area	17/10/2024	56.2	18.6	8.6	16.9	BLQ (1.0Q-0.5)
	0.554	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)
1	AAQMS Standard	İs	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>2</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7_2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
	Dumerkholi/	14/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-4	Nr. Mining Area	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)	8LQ (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 Standard	5	1.0 (24 hrs)		6.0 (annual)	

NOTES: 

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Results shall be referred to tasked sample(s) and applicable to feated parameters only.

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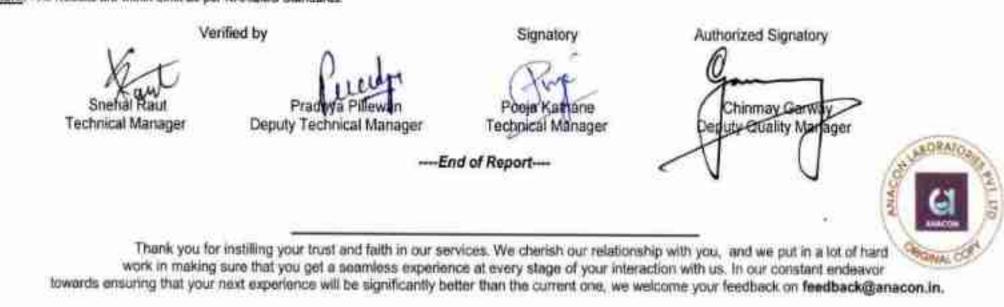
BLQ= below limit of quantification.

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.





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Test Report

Page 1 of 1

Report No .:-	ALPL/05112024/1-5	Report Date:-	05/11/2024
issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-5
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 01/10/2024 to 25/10/2024)	Sample Inward Date	14,21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01		

Ambient Air Quality-October-2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10
I.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Ambi	ient Air
		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)
	Sairaidh	11/10/2024	67.9	31.2	15.2	27.8	BLQ (LOQ-0.5)
AAQ-5	Campus	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)
1	AAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>9</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
00212	and constall	11/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-5	Sairaidh Campus	15/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	8LQ (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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

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



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Test Report

Ambient Air Quality-October-2024

Page 1 of 1

Report No.:-	ALPL/05112024/1-6	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Bairampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-6
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 02/10/2024 to 26/10/2024)	Sample Inward Date	14,21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01	Linder and Linder and Linder	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>9</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ient Air
		02/10/2024	63.8	29.2	14	22.5	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)
	Tatijharia Village/	12/10/2024	62.9	29.2	11.7	23.5	BLQ (LOQ-0.5)
AAQ-6	Nr.Weigh	16/10/2024	60.5	24.9	10.0	21,7	BLQ (LOQ-0.5)
	Bridge	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)
N	AAQMS Standard	ls	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr pg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIr/7.2/RES- INORG/04
		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)
	Tatijharia Village/ Nr.Weigh Bridge	09/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-6		12/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
Mue o		16/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
1		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 Standard watermark "Original Test Report" to		1.0 (24 hrs)		6.0 (annual)	

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BLQ= below family of quantification, LOQ= limit of quantification, Environmental condition – Satisfactory, 
Statement of Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by Signatory Authorized Signatory Snehal Pooja Kathane minmay Garwa **Technical Manager** Deputy Technical Manager Technical Manager Deputy Quality Manager NORAT ---- 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@anacon.in.



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Test Report

Ambient Air Quality-October-2024

Page 1 of 1

Report No.:-	ALPL/05112024/1-7	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-7
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 02/10/2024 to 26/10/2024)	Sample Inward Date	14.21,28.31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15, 22, 29, 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01	Land and the second	21/22/27/27/27/27/27/27/27/27/27/27/27/27/

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
16	Discipline: Che	mical	Group: A	Imospheric Pollution	Material or Pr	oduct tested : Amb	
		02/10/2024	57.2	24.7	10.8	21.5	BLQ (LOQ-0.5)
		05/10/2024	53.9	21.4	10.0	21.2	BLQ (LOQ-0.5)
		09/10/2024	59.4	26.7	11.6	22.4	BLQ (LOQ-0.5)
	Piprapat/	12/10/2024	54.8	24.5	10.8	22.1	BLQ (LOQ-0.5)
AAQ-7	Nr. Mining Area	16/10/2024	57.3	27.7	11.5	22.6	BLQ (LOQ-0.5)
		19/10/2024	52.9	21.3	10.7	21.7	BLQ (LOQ-0.5)
		23/10/2024	59.4	24,8	13.0	22.4	BLQ (LOQ-0.5)
		26/10/2024	61.7	26.2	11.7	19.8	BLQ (LOQ-0.5)
	AAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANI//7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04
		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)
	Piprapat/	09/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0) BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-7		12/10/2024	8LQ (LOQ-0.2)	BLQ (LOQ-0.0005)		BLQ (LOQ-0.03)
conser.	Nr. Mining Area	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 Standard watermark "Dramal Text Report" to		1.0 (24 hrs)		6.0 (annual)	011120

NOTES: 
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Reporting a shall be referred to tested sample(s) and applicable to tested parameters only.
Test report shall not be 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 Signatory Authorized Signatory Snehal Pooja Kathare Chingan Garw **Technical Manager** Deputy Technical Manager Technical Manager uty Quality Manager ORAD ---- 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@anacon.in.



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Test Report

Ambient Air Quality-October-2024

Page 1 of 1

OLAI

Report No .:-	ALPL/05112024/1-8	Report Date:-	05/11/2024
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/21102024/MON-92-EAAQ-1/64-8
Sampled by	Anacon Representative Mr. Dharmasheel Bhiogade (Sampling duration Period 02/10/2024 to 26/10/2024)	Sample Inward Date	14,21,28,31 October-2024
Test Started On:-	14,21,28,31 October-2024	Test Completed On	15. 22, 29. 31 Oct-2024
Sampling Method	ANtd/7.2/Mon-01	1 On	1 10, 22, 20, 01 00:2024

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>2</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO)
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	mg/m* (S:5182 (Part-10)
L	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Ambi	
		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)
	1	09/10/2024	52.8	19.5	11.5	22.5	BLQ (LOQ-0.5)
AAQ-8	National	12/10/2024	57.4	21.4	14.0	27.0	BLQ (LOQ-0.5)
AAU-8	Virhorepat	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)
N	AAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtt/7.2/RES- INORG/04
		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)
	Virhorepat	09/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-8		12/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	vintorepar	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)	A IT AN A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK A TANK	BLQ (LOQ-0.03)
	1	26/10/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	8LQ (LOQ-2.0)	BLQ (LOQ-0.03)
NAAQMS Standards S:			1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please see watermark 'Original Test Report' to confirm the authanticity of ites report.

Reputs shall be referred to tested sample(s) and applicable to tasted parameters only.

Test report shall not be reported accept in full without prior written approval of Anacon Labs.

BLO+ 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)7.6/85). Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by Signatory Authorized Signatory Pooja Kaliane Chinmay Ga **Technical Manager** Deputy Technical Manager Technical Mänager uly Quality Manager De ---- 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.



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Test Report

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#### Ambient Air Quality-November-2024

	ALPL/05122024/1-1	Report Date:-	05/12/2024
Report No.:-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Dist: -Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-1
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7 2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	15:5182 (Part-6)	IS:5182 (Part-10)
	Discipline: Cher	nical	A second the second special second se	tmospheric Pollution	Material or Pr	oduct tested : Amb	ient Air
3,	Discipline. Cher	04/11/2024	65.8	25.9	14.1	19.3	BLQ (LOQ-0.5)
			72.3	25.4	9.6	29.2	BLQ (LOQ-0.5)
		08/11/2024		30.1	10.1	24.8	BLQ (LOQ-0.5)
		11/11/2024	69.7		14.9	26.4	BLQ (LOQ-0.5)
1.00	Samn-Gopatu/	15/11/2024	74.2	27.3		29.1	BLQ (LOQ-0.5)
AAQ-1	Near Weigh bridge	18/11/2024	70.9	29.5	12.8	0/25/200	BLQ (LOQ-0.5)
	proge.	22/11/2024	60.9	28.4	15.2	24.1	
		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 Standard	D BERNING	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>5</sup>	Chromium as Cr µg /m³
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04
		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 (I.OQ-0.03)
	AQ-1 Samri-Gopatu/ Near Weigh bridge 18/11/	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)
AAQ-1		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
100000		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)
4			BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standar	29/11/2024	4.0 (24 her)	energy to bested sample(s) and	6.0 (annual)	

NOTES: 
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Results shall be reflected to tested sample(s) and applicable to tested parameters only.

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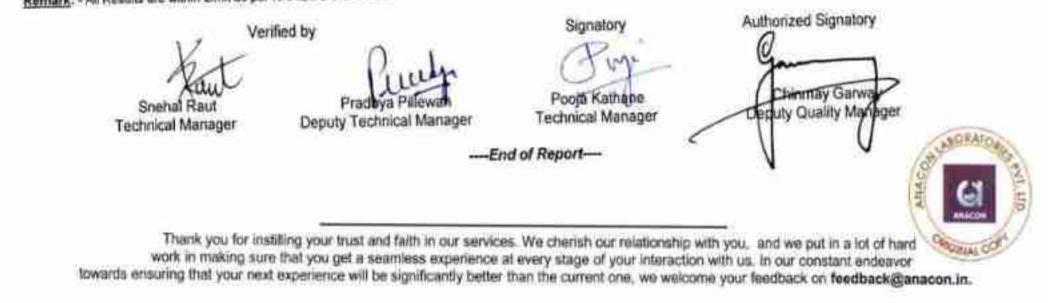
BUQ= below limit of quantification.

LOQ= limit of quantification.

Environmental condition - Satisfactory.

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.005).

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





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Test Report

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Ambient Air Quality-November-2024

	ALD/ (05120024/1.2	Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-2 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Dist.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-2
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		

Sr. No. LOCATIO	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>2</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	15:5182 (Part-6)	IS:5182 (Part-10
	Discipline: Che	mical	and the second s	Atmospheric Pollution	Material or	Product tested : An	bient Air
<u>*</u>	Discipline: Che		58.3	25.9	13.5	17.9	BLQ (LOQ-0.5)
		04/11/2024	57.9	24.6	12.8	15.4	BLQ (LOQ-0.5)
		08/11/2024		26.8	9,8	19.8	BLQ (LOQ-0.5
		11/11/2024	60.3	150157	9.6	13.2	BLQ (LOQ-0.5)
2012-2112-2	Dhandiapat/	15/11/2024	62.8	29.6		21.9	BLQ (LOQ-0.5
AAQ-2	Nr. Mining Area	18/11/2024	55.7	30.1	11.2		7/
	Fice	22/11/2024	59.3	27.8	10.8	23.4	BLQ (LOQ-0.5
	. C.	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 Standar	122 - 0.0000	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
	AQ-Z DhandiapaU	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)
AAQ-2		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	Nr. Mining Area	22/11/2024	BLQ (LOQ-0.2)	BLD (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 Standar	1	1.0 (24 hrs)	eres	6.0 (annual)	milers only.  Text report st

NOTES: 
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Feaults shall be intered to tested sample(s) and applicable to tested parameters only.
Test report shall not be reproduced except in full without prior written approval of Anadon Labs.
ELQ= 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 NAAGMS Standards.



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Test Report

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	Ambient Air Quan	ty-November-2024	05/12/2024
Depart No.1	ALPL/05122024/1-3	Report Date:-	
Report No.:- Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-13
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) yg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>	
			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10	
	Test Method			unospheric Pollution	Material or	Product tested : An	nbient Air	
L.	Discipline: Chen	nical	C1000 MID	The second second second second second second second second second second second second second second second se	information of the station	17.8	BLQ (LOQ-0.5)	
		04/11/2024	56.3	23.9	11.6	100		
		08/11/2024	59.3	21.6	9.6	18.3	BLQ (LOQ-0.5)	
		1 1		62.7	19.3	8.7	17.6	BLQ (LOQ-0.5)
		11/11/2024			9.7	18.4	BLQ (LOQ-0.5)	
	Kutku Village/	15/11/2024	59.3	19.3	<u>82/A</u>		BLQ (LOQ-0.5)	
AAQ-3	Nr. V.T. Center	18/11/2024	61.8	21.6	11.3	21,9	THE PROPERTY STOPPEN	
		22/11/2024	57.2	18.7	9.7	19.1	BLQ (LOQ-0.5)	
	Contraction.	62.8	23.4	11.6	24.7	BLQ (LOQ-0.5)		
	1	25/11/2024		18.3	11.4	19.2	BLQ (LOQ-0.5	
	1	29/11/2024	58.1			UNITED A	2.0 (8 hrs)	
	NAAQMS Standard	İs	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	a.s (o ma)	

Sr. No.	LOCATION	Date of sampling	Lead as Pb pg /m <sup>2</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>	
	Test Method		ANIr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		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)	
		A CONTRACTOR OF A		BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	Kutku Village/		15/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-3		18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
in the second	Nr. V.T. Center	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	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-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	NAAQMS Standa	29/11/2024	10/01 100	event to tested sample(s) an	5.0 (annual)	-	

NOTES: 

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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 Anacoo Labs.

BLO= below limit of quantification.

Environmental condition - Satisfactory.

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.5/06).

Authorized Signatory Signatory Verified by mmay Gary Pooia-Kathane Prad Deputy Quality M ager Technical Manager Deputy Technical Manager Technical Manager EORA7 -End of Report----Thank you for instilling your trust and faith in our services. We charish 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.



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Test Report

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Ambient Air Quality-November-2024

	1 0/ 00/00100004/1 A	Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-4 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222,
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-4
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18.31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
	Discipline: Che	mical	CHORE AND AND AND AND AND AND AND AND AND AND	Atmospheric Pallution	Material or	Product tested : An	ibient Air
Ac.	Discipilite: Gife	04/11/2024	60.2	30.5	12.5	25.6	BLQ (LOQ-0.5)
		08/11/2024	62.5	28.9	14.8	24.9	BLQ (LOQ-0.5)
		1.0.00.010.000.000.00	64.6	24.5	9.7	22.5	BLQ (LOQ-0.5)
		11/11/2024	60.8	29.4	9.5	28.9	BLQ (LOQ-0.5)
AAQ-4	Dumerkholi/ Nr. Mining	15/11/2024	Constant of	22.7	11.5	25.8	BLQ (LOQ-0.5)
Anges	Area	18/11/2024	59.7	26.8	12.8	22.1	BLQ (LOQ-0.5)
		22/11/2024	67.8		14.1	26.7	BLQ (LOQ-0.5)
		25/11/2024	66.8	28.4		24.9	BLQ (LOQ-0.5)
		29/11/2024	64.2	28.9	12.6		
	NAAQMS Standar	ds	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 /m²	Morcury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>	
	Test Method		ANI/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		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)	
AAQ-4	Dumerkholi/	18/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	8LQ (LOQ-0.03)	
	Nr. Mining Area	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-0.93)		
		29/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	NAAQMS Standar		4.0 (24 here)	eferred in testind sample(s) an	6.0 (annual)		

NOTES: 
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Reputs shall be referred to tested sample(s) and applicable to tested parameters only.

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BLQ= below limit of quantification.

LOQ= limit of quantification.

Environmental condition - Satisfactory.

Statement of confirmity issued on the basis of decision rule as per quality procedure (QPI7.8/05).

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

Authorized Signatory Signatory Verified by binmay Garwa Pooja Kathane Prade eputy Quality Manager Technical Manager Deputy Technical Manager Technical Manager -End of Report-

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#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Page 1 of 1

		Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-5 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Bairampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-5
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7 2/Mon-01		Carbon

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>2</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Monoxide (as CO) mg/m <sup>3</sup>
				USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
	Test Method		IS 5182 (Part 23)			oduct tested : Ambi	ent Air
E	Discipline: Chem	ical	Group: Atn	nospheric Pollution	Material of FT		
	Break approved a second	05/11/2024	67.2	21.6	9.3	21,7	BLQ (LOQ-0.5)
		1. A C C C C C C C C C C C C C C C C C C		540711	11.3	21.9	BLQ (LOQ-0.5)
	1	08/11/2024 68.3	68.3	26,1		24.8	BLQ (LOQ-0.5)
		12/11/2024	59.3	19.2	6.8		
		2000 (M400-0-1	64.8	26.4	13.9	18.2	BLQ (LOQ-0.5)
Contract of the states	Sairaidh	15/11/2024			14.7	26.3	BLQ (LOQ-0.5)
AAQ-5	Campus	19/11/2024	73.6	32.8	LINES I S	1 F22455	BLQ (LOQ-0.5)
		22/11/2024	61.7	18.3	12.6	21.4	
		1000023000		23.8	13.4	24.7	BLQ (LOQ-0.5)
		26/11/2024	64.8			23.7	BLQ (LOQ-0.5)
		29/11/2024	62.9	23.8	11.6		
	NAAQMS Standa	1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

LOCATION	Date of sampling	Lead as Pb	Mercury as Hg	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m³			
Sr. No.		ANIn7.2/RES-	ANtr/7_2/RES-	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04			
	05/11/2024	the second second second second second second second second second second second second second second second se	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)			
	Costr massau	1 6 23 1 1 5 2	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)			
Sairaidh Camnus				COMPANY OF THE STOLENESS OF	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)		
		and a loss best to a		BLQ (LOQ-2.0)	BLQ (LOQ-0.03)			
	Sairaidh Campus	Sairaidh Campus	Sairaidh Campus	2-5 Sairaidh Campus	3.200 (3555-5-5) -	A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O		BLQ (LOQ-2.0)
SHILLING SHILLING			The state of the state of the state of the	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)			
			- Statute Statute - Statute Statute Statute Statute Statute Sta	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)			
				and the reason of the	BLQ (LOQ-0.03)			
		THE REAL PROPERTY AND	Saint	6.0 (annual)				
	LOCATION Test Method Sairaidh Campus	Test Method 05/11/2024 08/11/2024 12/11/2024 15/11/2024 22/11/2024 22/11/2024 25/11/2024 25/11/2024	LOCATION         Date of sampling         μg /m³           Test Method         ANIt/7.2/RES- INORG/04         INORG/04           05/11/2024         BLQ (LOQ-0.2)         08/11/2024         BLQ (LOQ-0.2)           08/11/2024         BLQ (LOQ-0.2)         12/11/2024         BLQ (LOQ-0.2)           Sairaidh Campus         19/11/2024         BLQ (LOQ-0.2)         22/11/2024         BLQ (LOQ-0.2)           28/11/2024         BLQ (LOQ-0.2)         22/11/2024         BLQ (LOQ-0.2)         22/11/2024         BLQ (LOQ-0.2)	LOCATION         Date of sampling         μg /m³         μg /m³           Test Method         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04           05/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           08/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           12/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           15/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           15/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           22/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           28/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           28/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           29/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           29/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)	LOCATION         Date of sampling         µg /m²         µg /m²			

NOTES: • Please see watermark "Original Tost Report to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicative to tested parameters only. • Test report shall not to reproduced except in full without prior withen approval of Anacon Labs. • BLQ= below limit of quantification. • Environmental constition - Satisfactury. • Statement of conformity insued on the basis of decision rule as per quality procedure (QP/7.5/06). Remark: • All Results are within Limit as per NAAQMS Standards.

Authonized Signatory Signatory Verified by Ininmay Gan Pooja Kathane Prade Deputy Quality Munager Snel Technical Manager Deputy Technical Manager Technical 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.



### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Page 1 of 1

		Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-6 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-6
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18,31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		Carbon

Americant Air Ouality-November-2024

LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Monoxide (as CO) mg/m <sup>2</sup>											
	1	and the second sec	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)											
5-5610A020A946A			There are a service of the service o	Material or	Product tested : An	nbient Air											
Discipline: Che	emical	A 2. 9000 -				BLQ (LOQ-0.5)											
	06/11/2024	67.3	32.9	Miller (		BLQ (LOQ-0.5)											
	09/11/2024	62.9	28.7	13.7	30.1	THURSDAY CONTRACTOR											
	1.500 C	57.1	21.8	9.2	26.3	BLQ (LOQ-0.5)											
Talibaria	Talibaria	Talibaria	Talibaria	Tallharin	Tallbaria	Talibaria	Talibaria	Talibaria	Talibaria	Talibaria	Talibaria			500 C	11.3	28.7	BLQ (LOQ-0.5)
	16/11/2024				32.6	BLQ (LOQ-0.5)											
Nr.Weigh	20/11/2024	58.9	24.7			BLQ (LOQ-0.5)											
Bridge	23/11/2024	63.4	32.8	12.4	38.9	Contraction of the second											
1 1 1 1 1 1 1 1 1		57765/10	28.3	11.6	27.3	BLQ (LOQ-0.5)											
	1 51 5A 0769635			12.7	31.7	BLQ (LOQ-0.5											
	30/11/2024	61.9			20 (24 hm)	2.0 (8 hrs)											
NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	60 (24 ma)	2.010											
	Test Method Discipline: Che Talijharia Village/ Nr.Weigh Bridge	Test Method Discipline: Chemical 06/11/2024 09/11/2024 13/11/2024 13/11/2024 16/11/2024 Nr.Weigh	LOCATION         Date of sampling         (PM10) µg/m³           Test Method         IS 5182 (Part 23)           Discipline: Chemical         Group: /           06/11/2024         67.3           09/11/2024         62.9           13/11/2024         57.1           Tatijharia         16/11/2024         53.6           Village/ Nr.Weigh Bridge         20/11/2024         58.9           23/11/2024         63.4           27/11/2024         61.9	LOCATION         Date of sampling         (PM10) µg/m³         (PM2.5) µg/m³           Test Method         IS 5182 (Part 23)         USEPA-40(Part 50)           Discipline: Chemical         Group: Atmospheric Pollution           06/11/2024         67.3         32.9           09/11/2024         67.1         21.8           13/11/2024         57.1         21.8           13/11/2024         53.6         16.2           Village/ Nr.Weigh Bridge         20/11/2024         58.9         24.7           23/11/2024         67.3         32.8         32.8           20/11/2024         57.3         28.3           20/11/2024         57.3         28.3           20/11/2024         63.4         32.8           20/11/2024         57.3         28.3           20/11/2024         57.3         28.3           20/11/2024         63.4         32.8           20/11/2024         57.3         28.3           20/11/2024         57.3         28.3           20/11/2024         61.9         27.6	LOCATION         Date of sampling         Particulate matter (PM10) ug/m³         Particulate matter (PM2.5 ) ug/m³         dioxide ug/m³           Test Method         IS 5182 (Part 23)         USEPA-40(Part 50)         IS:5182(Part-2)           Discipline: Chemical         Group: Atmospheric Pollution         Material or           06/11/2024         67.3         32.9         11.6           09/11/2024         62.9         28.7         13.7           13/11/2024         57.1         21.8         9.2           13/11/2024         53.6         16.2         11.3           Village/ Nr.Weigh Bridge         20/11/2024         58.9         24.7         9.7           23/11/2024         67.3         28.3         11.6           20/11/2024         57.3         28.3         12.4           30/11/2024         61.9         27.6         12.7	LOCATION         Date of sampling         Partoculate matter (PM10) µg/m <sup>3</sup> PM20 µg/m <sup>3</sup> dioxide µg/m <sup>3</sup> Nitrogen µg/m <sup>3</sup> Test Method         IS 5182 (Part 23)         USEPA-40(Part 50)         IS:5182(Part-2)         IS:5182 (Part-6)           Discipline: Chemical         Group: Atmospheric Pollution         Material or Product tested : An 09/11/2024         67.3         32.9         11.6         31.9           Tatijharia Village/ Nr.Weigh Bridge         13/11/2024         67.1         21.8         9.2         26.3           20/11/2024         53.6         16.2         11.3         28.7           23/11/2024         56.9         24.7         9.7         32.6           23/11/2024         67.3         28.3         11.6         27.3           30/11/2024         67.3         28.3         12.4         38.9           23/11/2024         57.3         28.3         11.6         27.3           30/11/2024         67.3         28.3         11.6         27.3           30/11/2024         61.9         27.6         12.7         31.7											

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
an nu	Test Method	1	ANIr/7.2/RES-	ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04
			INORG/04 BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		06/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	Q-6 Nr.Weigh Bridge	09/11/2024	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)
AAQ-6		20/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
OCT N		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 Standar	Second Provide Second		eterred to lauted somple(x) an	6.0 (annual)	

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Test report sample(s) and conformity issued on the basis of decision rule as per quality procedure (QP/7 A/06).

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

Authorized Signatory Signatory Verified by Chimay Gar Poola Kalnane Prac auty Quality N anager Technical Manager Deputy Technical Manager **Technical Manager** ORA -End of Report-

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 ♥ https:// www.anaconlaboratories.com

Test Report

Page 1 of 1

Ambient Ali	Quality-November-2024
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		Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-7 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DistLi-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-7
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11.18.31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		Carbon

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) yg/m <sup>3</sup>	Particulate Matter (PM2.5) ug/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	(as CO) mg/m <sup>3</sup>
			IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
	Test Method			Company and a second	Material or P	roduct tested : Ami	pient Air
1	Discipline: Chem	ical	Group: At	mospheric Pollution			BLQ (LOQ-0.5)
	CORRECTED AND ADDRESS	06/11/2024	53.6	21.9	6.4	28.7	
	Strength and and the		17.6	5.8	21.6	BLQ (LOQ-0.5)	
		09/11/2024	48.3	10.000		19.7	BLQ (LOQ-0.5)
		13/11/2024	56.1	24.7	5.2		
		101410004	53.9	19.2	7.3	24.9	BLQ (LOQ-0.5)
37231	Piprapat/	16/11/2024			6.7	21.4	BLQ (LOQ-0.5)
AAQ-7	Nr. Mining Area	20/11/2024	49.3	18,4			BLQ (LOQ-0.5)
The second second second second second second second second second second second second second second second s	LIPPOLING CONTRACTOR	23/11/2024	51.7	21.6	7.9	23.8	
		27/11/2024 53.4 24.9	24.9	6.4	19.3	BLQ (LOQ-0.5)	
				in the second se	24.7	BLQ (LOQ-0.5)	
		30/11/2024	48.3	17.2	9.2		A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O
	NAAQMS Standar	de	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

LOCATION	Date of sampling	Lead as Pb	Mercury as Hg ug /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Gr µg /m <sup>3</sup>	
		ANI/7.2/RES-	ANtr/7.2/RES-	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
distant succes	06114/2024	And and an other statements of the statement of the state		BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
			The sector requirement and on the	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
Piprapat/ Nr, Mining Area	13 Piprapat/		Contraction in Provide Strategy of	All Contractor of the second	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		N			BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
				There are a second and the second sec	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		Contraction and a second state		BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
		1.0000000000000000000000000000000000000			BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
			and the mention of a real to	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	and the second second	A MINERAL STOCK		6.0 (annual)		
	Nr. Mining Area	Test Method         06/11/2024           09/11/2024         09/11/2024           13/11/2024         13/11/2024           Piprapat/         16/11/2024           Nr. Mining Area         20/11/2024           23/11/2024         23/11/2024           20/11/2024         30/11/2024	LOCATION         Date of sampling         µg /m³           Test Method         ANtr/7.2/RES- INORG/04         INORG/04           06/11/2024         BLQ (LOQ-0.2)         09/11/2024           09/11/2024         BLQ (LOQ-0.2)         13/11/2024           Piprapat/ Nr. Mining Area         16/11/2024         BLQ (LOQ-0.2)           20/11/2024         BLQ (LOQ-0.2)         23/11/2024           20/11/2024         BLQ (LOQ-0.2)         23/11/2024           20/11/2024         BLQ (LOQ-0.2)         23/11/2024           8LQ (LOQ-0.2)         23/11/2024         8LQ (LOQ-0.2)           20/11/2024         BLQ (LOQ-0.2)         21/11/2024	LOCATION         Date of sampling         μg /m³         μg /m³           Test Method         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04           06/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           09/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           13/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           16/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           20/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           23/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           23/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           23/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)           30/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)	LOCATION         Date of sampling         Lead in <sup>2</sup> µg /m <sup>2</sup> µg /m <sup>2</sup> µg /m <sup>2</sup> ng /m <sup>2</sup> Test Method         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         ANtr/7.2/RES- INORG/04         INORG/04           06/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)         BLQ (LOQ-2.0)           09/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           13/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           16/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           16/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           20/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           23/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           27/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           30/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)           30/11/2024         BLQ (LOQ-0.2)         BLQ (LOQ-0.0005)         BLQ (LOQ-2.0)	

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conformity issued on the basis of dicision rate as per NAAQMS Standards. Remark: - All Results are within Limit as per NAAQMS Standards.

Authorized Signatory Signatory Verified by hinmay Garwa Pooja Kathane Deputy Quality Mayager **Technical Manager** Deputy Technical Manager **Technical Manager** NOTA: ---- 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.



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Test Report

Page 1 of 1

ORAZ

	Ambient Air Quali	Report Date:-	05/12/2024
Report No.:- Issued to :-	ALPL/05122024/1-8 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusm), Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/18112024/MON-92-EAAQ-1/64-8
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/11/2024 to 29/11/2024)	Sample Inward Date	11,18,31 November-2024
Test Started On:-	11,18.31 November-2024	Test Completed On:-	12,19,31 November-2024
Sampling Method	ANtd/7.2/Mon-01		Carbon

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Monoxide (as CO) mg/m <sup>3</sup>			
				USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)			
	Test Method		IS 5182 (Part 23)	Contraction of the second second		Product tested : An	nbient Air			
	Discipline: Che	mical	Group: A	Atmospheric Pollution	OF CHILDREN THEAT	in content of the state of the	BLQ (LOQ-0.5)			
1.80	Prese Printer		73.9	31.6	12.7	32.4	The second second second second second second second second second second second second second second second se			
		06/11/2024		32.9	13.6	34.7	BLQ (LOQ-0.5)			
		09/11/2024	76.2	32.8		26.9	BLQ (LOQ-0.5			
		13/11/2024	69.3	28.7	11.4	20.9				
					11	- Parteringer	2740.034	31.6	9.2	24.6
		16/11/2024	72.8		10.0	27.3	BLQ (LOQ-0.5			
AAQ-8	Virhorepat	20/11/2024	68.2	27.2	12.8		A State Distance			
		CAL	71.6	28.4	13.6	28.1	BLQ (LOQ-0.5			
		23/11/2024			9.3	18.7	BLQ (LOQ-0.5			
		27/11/2024 64.9	21.7	1 N S S		BLQ (LOQ-0.5				
		30/11/2024	57.3	17.3	8.4	16.9				
		30/11/2024	Concerned and the second second second second second second second second second second second second second se	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)			
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 ms)						

	LOCATION	Date of sampling	Lead as Pb	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>9</sup>
Sr. No.	1.725 M 102 S		ug/m² ANtr/7.2/RES-	ANtr/7_2/RES-	ANIt/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04
	Test Method	2	INORG/04	INORG/04		BLQ (LOQ-0.03)
		1 06/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	Set Contract a contract of the
		09/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		Oper yout to a office	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	Virhorepat	13/11/2024		Construction of the other states of the		BLQ (LOQ-0.03)
		16/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	UNUUS/APPA-S-YASS-S
		ter in the second second	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-8		20/11/2024	SUSSIA STREET		BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
1		23/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)		
		27/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		2111112024	The statement and reacting	Constant and the second	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		30/11/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	The state of the second second second	
		lards C to confirm the authenticity of this of Anacon Labs. • BLQ= below	1.0 (24 hrs)		6.0 (annual)	Tant seriest als
	NAAQMS Standa a watermark "Original Test Report" full without prior withan approval	4105		where it is to to to a bample (1) an	vit applicable to tested paral	mentra dray - interreport at

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

Verified by Verified by Signatory Authorized Signatory Kut Prachya Pillewin Prachya Pillewin Deputy Technical Manager Technical 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 endeevor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.





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### Test Report

Page 1 of 1

Ambient Air Quality-	December-2024
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	ALPL/05012025/1-1	Report Date:-	05/01/2025
Report No.:- Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/64-1
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
	2.4 (0.2 (0.0 C) (0.1 C)	-		tmospheric Pollution	Material or	Product tested : An	bient Air
1.	Discipline: Cher	and the second sec		24.7	13.9	23.7	BLQ (LOQ-0.5)
		02/12/2024	62.8			21.6	BLQ (LOQ-0.5)
		05/12/2024	58.3	19.3	11.4		- The second second
		09/12/2024	56.2	23.6	12.8	23.9	BLQ (LOQ-0.5)
	Samri-Gopatu/	12/12/2024	58.3	19.3	9.1	18.4	BLQ (LOQ-0.5)
AAQ-1	Near Weigh		CHILLS	21.6	11.3	19.2	BLQ (LOQ-0.5)
1000-0001011	bridge	16/12/2024	54.1			21.7	BLQ (LOQ-0.5)
	Dilogo	19/12/2024	57.2	23.8	12.8	- //7C-S	
	23/12/2024	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 Standard	Company and a second seco	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>	
51,110.	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	
		02/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	05/12		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)
		12/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
AAQ-1	Samri-Gopatu/	16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	Near Weigh bridge	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				6.0 (annual)		

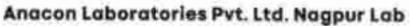
NOTES: 
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BLQ= below linkt of quantification . LOQ= limit of quantification.

Environmental condition - Satisfactory.

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Authorized Signatory Signatory Verified by ettinnay Ga Poola Kathane Prac oputy Quality Manager Technical Manager Deputy Technical Manager **Technical 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.





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### Test Report

Page 1 of 1

Ambient Air Quality-December-2024

Designed Mary	eport No.:- ALPL/05012025/1-2			Report Date:-			05/01/2025			
Report No.		co Industries Limited Address:-			Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.		(C.G.)			
Type of Wo	riko-	1		ent Air Quality Core Zone)		Sample Inward	No.	ALPI	/23122024/MON-10	1-EAAQ-1/64-2
Sampled by		Mr.	Akshay Babulka	Representative ar (Sampling duration Pe (24 to 26/12/2024)	eriod	Sample Inward	Date	UN DAPABERS	30 December-2024	
Test Started On:- 9,16,23,30 Decemi		the second state of the se		Test Completer	d On:-	10,17,2	4,31 December-202	4		
and the second se	and the second se	and the second second	d/7.2/Mon-01							
Sampling N Sr. No.	LOCAT		Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Pa	ticulate Matter (PM2.5 ) µg/m <sup>2</sup>	dio	ohur xide /m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Me	thod		IS 5182 (Part 23)	USEPA-40(Part 50)		IS:5183	(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10
L.	Disciplin	and a second	mical	Group: Atmospheric Pollution		M	iterial or l	Product tested : An	nbient Air	
	Discibili	ar sera	LC URD	53.9	24.7		1	2.6	16.9	BLQ (LOQ-0.5
	1		02/12/2024 05/12/2024	55.9	-	28.1		3.8	17.2	BLQ (LOQ-0.5
	1		09/12/2024	48.1	+	16.9	1	12	16.1	BLQ (LOQ-0.5
	Dissert	anati	12/12/2024	57.8	+	23.6	1	1.9	21.6	BLQ (LOQ-0.5
AAQ-2	Dhandi Nr. Mi		16/12/2024	51.3	+	24.7	1	2.8	23.4	BLQ (LOQ-0.5
	Are	128	19/12/2024	58.2	-	19.3	1	9.6	19.2	BLQ (LOQ-0.5
			23/12/2024	54.7	1	18.1		3,7	16.9	BLQ (LOQ-0.5
			26/12/2024	61.4	1	23.8	1	1.3	21.6	BLQ (LOQ-0.5
	NAAQMS S	tandar	ds	100 (24 hrs)	-	60 (24 hrs)	80 (	24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m³
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7_2/RES- INORG/04	ANtr/7_2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
AAQ-2	Dhandiapat/	16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
671 SAD 64.	Nr. Mining Area	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)
ih.		26/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standa see watermark 'Original Test Rapo		1.0 (24 hrs)		6.0 (annual)	

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 BLQ= below limit of quantification , LOQ= lin Statement of conformity issued on the basis of decision rule as per quality procedure (OP/7.8/05).

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

Authorized Signatory Signatory Verified by Chiernay Gaway Poola Kathane Prac Snehal Rau ebuty Quality/Manager Deputy Technical Manager **Technical Manager Technical 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.





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### Test Report

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Ambient Air Quality-December-2024

Deport No 1	Report No.:- ALPL/05012025/1-3		/05012025/1-3		Report Date:-		05/01/2025		
		o Industries Limited Address:-			Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.		(C.G.)		
Type of Wo	rk:-	(P)	ient Air Quality Core Zone)		Sample Inward	No.	ALP	J23122024/MON-10	1-EAAQ-1/64-3
Sampled by		Mr. Akshay Babuli	n Representative (ar (Sampling duration P) 024 to 26/12/2024)	eriod	Sample Inward	Date 9,16,23		23,30 December-2024	
Test Started On:- 9,16,23,30 Decem		the second second second second second second second second second second second second second second second se		Test Complete	d On:-	10,17,2	4,31 December-202	4	
Sampling M	and the second se	ANtd/7 2/Mon-01							<b>6</b> 1
Sr. No.	LOCATIO	DN Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Par	ticulate Matter (PM2.5 ) µg/m <sup>3</sup>	dio	phur xide j/m <sup>a</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Meth	od	IS 5182 (Part 23)	USEPA-40(Part 50)		1S:5182	2(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10
- 1	Discipline	25.8V.	Group: Atmospheric Pollution		M	aterial or l	Product tested : An	nbient Air	
4	Disciplinic	CA2270122	54.8	21.6		1	2.1	19.2	BLQ (LOQ-0.5)
		02/12/2024	54.7	-	16.4		1.7	16.3	BLQ (LOQ-0.5
	1	09/12/2024	64.8	-	23.9	1	4.1	26.3	BLQ (LOQ-0.5
		12/12/2024	54.6	+	16.9	1	3.7	16.3	BLQ (LOQ-0.5
AAQ-3	Kutku Vill Nr. V.T. Ce	2	71.6	+	28,1	1	4,3	26.2	BLQ (LOQ-0.5
	PH. V.I. 01	19/12/2024	57.2	-	19.2	1	1.4	18.3	BLQ (LOQ-0.5
		23/12/2024	61.7	+	24.9	1	1.7	21.4	BLQ (LOQ-0.5
		26/12/2024	54.7	-	16.4	1	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 <sup>2</sup>	Mercury as Hg µg /m <sup>1</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m²
	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
		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)
AAQ-3	Kutku Village/ Nr. V.T. Center	16/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	POLYTE CONTON	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 Standa	da	1.0 (24 hrs)		6.0 (annual)	

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BLQ= below time of Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.005).

Authorized Signatory Signatory Verified by ettinmay Gerway Pooja Kathane Prad Debuty Quality Manager Technical Manager Deputy Technical Manager **Technical 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.



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### Test Report

Ambient Air Quality-December-2024

Page 1 of 1

Report No.:-	ALPL/05012025/1-4	Report Date:-	05/01/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/64-4
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7,2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>1</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	iS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Cher	mical	Group: A	tmospheric Pollution	Material or I	Product tested : An	bient Air
		02/12/2024	64.3	26.7	11.9	28.4	BLQ (LOQ-0.5)
		05/12/2024	68.1	31.6	12.4	29.1	BLQ (LOQ-0.5)
		09/12/2024	58.7	24.7	9.3	18.6	BLQ (LOQ-0.5)
	Dumerkholi/ ~	12/12/2024	62.1	28.4	11.7	23.9	BLQ (LOQ-0.5)
AAQ-4	Nr. Mining	16/12/2024	61.4	26.3	12.9	24.1	BLQ (LOQ-0.5)
	Area	19/12/2024	57.3	19.2	9.2	18,7	BLQ (LOQ-0.5)
		23/12/2024	62.8	24.7	11.6	23.9	BLQ (LOQ-0.5)
		26/12/2024	58.2	21.6	9.8	19.2	BLQ (LOQ-0.5)
ħ	AAQMS Standard	is	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>	
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INDRG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		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)	
	Distantial		09/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
10000		12/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
AAQ-4	Dumerkholi/ Nr. Mining Area	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 Standar	rds	1.0 (24 hrs)		6.0 (annual)		

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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).

Venfied by Authorized Signatory Signatory Prad Ammay Gan Sne Poora Kath puty Quality Manager Technical Manager Deputy Technical Manager Technical 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.





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### Test Report

Page 1 of 1

Report No.:-	ALPL/05012025/1-5	Report Date:-	05/01/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt :-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/84-5
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>2</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	(S:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Material or Product tested : Ambient Air		
		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)	
	Sairaidh	13/12/2024	67.3	21.6	11.4	24.9	BLQ (LOQ-0.5)	
AAQ-5	Campus	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)	
1	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>a</sup>	Arsenic as As ng /m <sup>1</sup>	Chromium as Cr µg /m³
	Test Method		ANItr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
AAQ-5	Sairaidh Campus	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 Standa	ards	1.0 (24 hrs)	-	6.0 (annual)	2444

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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/7.6/06).

Verified by Signatory Authorized Signatory Sne Pooja Kalhane Chinmay Gapagy **Technical Manager** Deputy Technical Manager Technical Manager uty 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@anacon.in.



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### Test Report

Ambient Air Quality-December-2024

	ALPL/05012025/1-6	Report Date:-	05/01/2025
Report No.:- Issued to :-	M/s Hindaico Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBairampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/64-6
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7 2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m²	Carbon Monoxide (as CO) mg/m <sup>3</sup>						
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10						
-	Discipline: Chen	leal	A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT. OF A CONTRACT OF A CONTRACT OF	tmospheric Pollution	Material or I	Product tested : An	hbient Air						
ŀ.	Discipline. onen	the second second second second second second second second second second second second second second second se	63.9	28.4	12.7	26.1	BLQ (LOQ-0.5)						
		04/12/2024 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)						
	Tatijnaria	14/12/2024	52.7	16.9	8.4	17.2	BLQ (LOQ-0.5						
AAQ-6	Village/	Village/	Village/	Village/	Village/	Village/	Village/	18/12/2024	56.3	17.1	11.3	21.8	BLQ (LOQ-0.5
AAG-0	Nr.Weigh Bridge	21/12/2024	64.8	24.7	13.8	24.9	BLQ (LOQ-0.5						
	Drivige		67.3	28.2	11.9	23.6	BLQ (LOQ-0.5						
		26/12/2024		101100	9.4	18.3	BLQ (LOQ-0.5						
	28/12/2024	61.9	21.8			ALCO MARKING AND							
	NAAQMS Standar	ds	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 yg /m <sup>3</sup>	Mercury as Hg µg /m³	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m³	
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		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)	
	Tatijharia Village/	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)
AAQ-6		18/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
1000	Nr.Weigh Bridge	21/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	25/12/2024 BLQ (LOC		BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
		BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)		
	NAAQMS Standar	547(117):527(1)	10(24 brs)	seese	6.0 (annual)		

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Results shall be referred to tested sample(s) and applicable to tested parameters only.
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BLO= below limit of quantification.
Environmental condition - Satisfactory.
Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.M05).

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

Authorized Signatory Signatory Verified by Tinmay Gar Pooja Kathane Sneha eputy Quality Manager Technical Manager Deputy Technical Manager **Technical Manager** CIRAL ----End of Report----

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### Test Report

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Ambient	Air	Quality	y-December-2024
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	I DE DERIGOREN T	Report Date:-	05/01/2025
Report No.:- Issued to :-	ALPL/05012025/1-7 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/64-7
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7 2/Mon-01		

							Carbon
Sr. No. LOCATION	LOCATION Date of (PM10)	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m³	Monoxide (as CO) mg/m <sup>9</sup>	
				USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
-	Test Method		IS 5182 (Part 23)	TO DESTRUCT OF STREET, STRE		in the second se	hight fir
	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or	Product tested : An	IDICITI, MI
	Discipline. One			23.8	9.2	24.7	BLQ (LOQ-0.5)
		04/12/2024	57.2	26.3	11.4	27.3	BLQ (LOQ-0.5)
	07/12/2024 61.	61.8	20.3		10.0	BLQ (LOQ-0.5)	
	1	54.9	19.2	8.1	18.6	The second second second	
		241014-2	24.7	9.3	16.9	BLQ (LOQ-0.5)	
	Piprapat/	14/12/2024	58.3	21.7		PERON.	0100005
AAQ-7	Nr. Mining	18/12/2024	62.8	24.6	11.2	23.6	BLQ (LOQ-0.5)
And	Area	, saturation and		10.2	9.7	21.4	BLQ (LOQ-0.5)
		21/12/2024	57.1	19,3			000000
		26/12/2024	64.7	26.8	12.9	24.7	BLQ (LOQ-0.5)
				10.1	11.4	18.3	BLQ (LOQ-0.5
		28/12/2024	58.3	19.1		1	3.0 /0 herel
	NAAQMS Standa	rds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)
	at the section of such section						

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>	
5r. NU.	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	
	Y05	04/40/0004	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
		04/12/2024 07/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	Q-7 Piprapat/ Nr. Mining Area		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)
		18/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
AAQ-7			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)	
			and the second second	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	NAAQMS Standa	28/12/2024	BLQ (LOQ-0.2) 1.0 (24 hrs)		6.0 (annual)		

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Authorized Signatory Signatory Venified by minmay G Nav Pooja Kathane uty Quality Manager Prad Snehai Rau **Technical Manager** Deputy Technical Manager Technical 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.





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### Test Report

Page 1 of 1

Ambient Air Quality-December-2024

	AL DU (0001002618 9	Report Date:-	05/01/2025
Report No.:- Issued to :-	ALPL/05012025/1-8 M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Buffer Zone)	Sample Inward No.	ALPL/23122024/MON-101-EAAQ-1/64-8
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/12/2024 to 26/12/2024)	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 Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>2</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>	
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)	
		Citral I	The second secon	Atmospheric Pollution	Material or	Product tested : An	bient Air	
<b>.</b>	Discipline: Che				13.6	24.9	BLQ (LOQ-0.5)	
		04/12/2024	67.1	27.3	11.9	23.8	BLQ (LOQ-0.5)	
		07/12/2024	64.7	26.1	11.2		A REPORT OF A REAL PROVIDENT	
	11/12/202	1	11/12/2024	71.3	31.6	14.1	26.3	BLQ (LOQ-0.5)
		T PA S MILL PALS	68.1	28.4	11.7	24.9	BLQ (LOQ-0.5)	
		14/12/2024	00.1			21.8	BLQ (LOQ-0.5	
AAQ-8	Virhorepat	18/12/2024	64.7	26.3	9,3	21.0		
101223		21/12/2024	58.3	19.7	8.6	18.2	BLQ (LOQ-0.5	
				23.8	12.9	24.7	BLQ (LOQ-0.5	
1		26/12/2024 62.6	23.0					
		28/12/2024	57.1	21.3	11.4	23.9	BLQ (LOQ-0.5	
	NAAQMS Standar	1965-Maranes	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)	

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>9</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANI/7 2/RES- INORG/04	ANtr/7 2/RES- INORG/04	
		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)
AAQ-8	Virhorepat	18/12/2024	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
CIVILY.		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 Standa		4.0 (24 hrs)	erere	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 leated parameters only

Test report shall
not be reproduced except in full without prior written approval of Anacon Labs.

BLQ: below limit of quantification.

Environmental condition - Satisfactory.

Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.5/05).

Authorized Signatory Signatory Verified by Chimmay Gary ooia Kathane eputy Quality Manager Technical Manager Deputy Technical Manager Technical Manager ---- End of Report----DRA: 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@anacon.in.



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Test Report

Page 1 of 1

Report No.:-	ALPL/15042025/1-1	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 06/01/2025 to 30/01/2025	Sample Inward Date	14.21.28.31 Jan-2025
Test Started On:-	14,21,28,31-Jan-2024	Test Completed On	15,22,29.31-Jan-2025
Sampling Method	ANtd/7_2/Mon-01	and the second se	

Ambient Air Quality-January-2025

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	15:5182(Part-2)	(S:5182 (Part-6)	IS:5182 (Part-10
- <b>k</b> 2	Discipline: Cher	nical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ent Air
		06/01/2025	64.8	23.3	12.9	21.6	BLQ (LOQ-0.5)
		09/01/2025	61.2	21.1	14.4	19.9	BLQ (LOQ-0.5)
		13/01/2025	56.2	19.7	11.6	18.8	BLQ (LOQ-0.5)
	Samri-Gopatu/	16/01/2025	59.1	18.4	13.2	22.7	BLQ (LOQ-0.5)
AAQ-1	Near Weigh bridge	20/01/2025	61.5	22.2	13.7	20.3	BLQ (LOQ-0.5)
		23/01/2025	65.5	24.8	12.5	23.7	BLQ (LOQ-0.5)
		27/01/2025	63.2	22.5	11.7	22.4	BLQ (LOQ-0.5)
143		30/01/2025	59,5	26.1	12.7	21.4	BLQ (LOG-0.5)
1	NAAQMS Standard	5	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>8</sup>	Arsenic as As	Chromium as Cr µg /m <sup>2</sup>
Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- IN/ORG/04	ANItr/7 2/RES- INORG/04	ANII/7 2/RES- INORG/04	
		06/01/2025	PLO (LOD-0.2)	BLO (LOQ 0.0005)	BLQ (LOQ-2.0)	BLO (1.00-0.03)
		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)	
1.00	Samo-Gopatul	16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-1	Near Weigh bridge	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 Standard		1.0 (24 hrs)		6.0 (annual)	

NOTES: 
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Results shall be inferred to tested sample(s) and applicable to tested parameters only.

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BLO: below limit of quantification.

Environmental condition - Satisfactory.

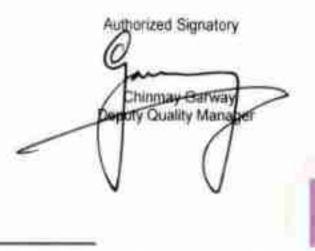
Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut **Technical Manager** 

**Dhanashree Hiwani** Sr. Technical Assistant

-End of Report---



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Test Report

Page 1 of 1

Report No.:-	ALPL/15042025/1-2	Report Date:-	15/04/2025
Issued to :-	M/s Hindaico Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DistlBairampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar. (Sampling duration Period 06/01/2025 to 30/01/2025	Sample Inward Date	14,21,28,31-Jan-2025
Test Started On:-	14,21,28,31-Jan-2024	Test Completed On	15.22.29.31-Jan-2025
Sampling Method	ANtd/7.2/Mon-01		

Ambient Air Quality-January-2025

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Metter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>2</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS 5182(Part-2)	IS:5182 (Part-6)	(S:5182 (Part-10)
4.5	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ent Air
		06/01/2025	56.7	21.5	11,4	19,9	BLQ (LOQ-0.5)
		09/01/2025	61.4	28.4	12.5	17,8	8LQ (LOQ-0.5)
		13/01/2025	64,7	26.2	11.8	16.2	BLQ (LOQ-0.5)
	Dhandiapa!/	16/01/2025	68.2	31,3	13.9	19.2	BLQ (1.0Q-0.5)
AAQ-2	Nr. Mining Area	20/01/2025	71.4	27.1	12.7	20.3	BLQ (LOQ-0.5)
		23/01/2025	66.7	22.8	12.9	17.2	BLQ (LOQ-0.5)
<b>2</b> .		27/01/2025	64.3	23.7	13.5	21.9	BLQ (LOQ-0.5)
		30/01/2025	67.3	25.8	11.8	19.2	BLQ (LOQ-0.5)
	AAQMS Standard	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>2</sup>
Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANIr/7.2/RES- INORG/04	
		06/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLO (LOO-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)
	Drundiapat/	16/01/2025	BLQ (LOD-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-2	Nr. Mining Area	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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: • Fiscos ses 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 supported accept in full without prior written approval of Anacon Labs. • BLG= below limit of quantification . LOG= limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7,8/65). <u>Remark</u>: - All Results are written Limit as per NAAQMS Standards.

Verified by

Snehal Raut **Technical Manager** 

Dhanashree Hiwani Sr. Technical Assistant

-End of Report-



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Test Report

Page 1 of 1

Report No.:-	ALPL/15042025/1-4	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241 EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 06/01/2025 to 30/01/2025	Sample Inward Date	14.21,28,31-Jan-2025
Test Started On:-	14:21:28:31 Jan 2024	Test Completed On	15.22.29.31 Jan-2025
Sampling Method	ANtd/7.2/Mon-01		discount of the control of

Ambient Air Quality, January 2025

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
E.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ient Air
		06/01/2025	59.1	23.7	8.9	17.8	BLQ (LOQ-0.5)
		09/01/2025	55.8	21.8	11.2	20.3	BLQ (LOQ-0.5)
		13/01/2025	53.8	19.6	9.6	15.7	BLQ (LOQ-0.5)
	Dumerkholi/	16/01/2025	50.9	17.6	11.3	19.4	BLQ (LOQ-0.5)
AAQ-4	Nr. Mining Area	20/01/2025	55.5	20.8	10.5	16.9	BLQ (LOQ-0.5)
		23/01/2025	58.1	22.2	8.6	17.9	BLQ (LOQ-0.5)
		27/01/2025	56.4	23.1	10.7	14.8	BLQ (LOQ-0.5)
		30/01/2025	61.5	24.3	9.3	18.4	BLQ (LOQ-0.5)
1	NAAQMS Standard	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>2</sup>
Test Method		ANW/7.2/RES- INORG/04	ANII/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANII/7 2/RES- INORG/04	
		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)	
	Oumerkhold	16/01/2025	BLQ (LCQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-4	Nr. Mining Area	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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please see watermark 'Original Test Report' to contem the authoriticity of this report 
Please strain 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.
Environmental condition - Satisfactury.
Statement of
conformity issued on the basis of decision rule as per quality procedure (QP/7.0/05).

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

Verified by

Snehal Raut Technical Manager

14

Dhanashree Hiwanj Sr. Technical Assistant

-

---- End of Report----





10.1



#### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Page 1 of 1

Ambient Air Quality-January-2025	Ambient Air Quality	-January-2025
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Report No .:-	ALPL/15042025/1-5	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DistL:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/01/2025 to 28/01/2025	Sample Inward Date	10.22.30-Jan-2025
Test Started On:-	10.22.30-Jan-2024	Test Completed On	11,23,31-Jan-2025
Sampling Method	ANtd/7.2/Mon-01		In the second market of the second

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>2</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>5</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	4S:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I,	Discipline: Che	mical	Group: A	Imospheric Pollution	Material or Pr	oduct tested : Amb	ient Air
	Sairaidh Campus	02/01/2025	65.2	25.6	8.7	20.6	BLQ (LOQ-0.5)
		07/01/2025	60.1	22.7	9.1	19,1	BLQ (LOQ-0.5)
		09/01/2025	67.2	23.8	8.2	15.2	BLQ (LOQ-0.5)
Same:		14/01/2025	62.9	20.5	8.5	16.7	BLQ (LOQ-0.5)
AAQ-5		16/01/2025	68.7	25.6	9.3	18.4	BLQ (LOQ-0.5)
		21/01/2025	57.6	20.8	8.8	17.1	BLQ (I.OQ-0.5)
		23/01/2025	54.7	22.1	8.6	19.1	BLQ (LOQ-0.5)
		28/01/2025	51.4	17.9	8.9	15.2	BLQ (LOQ-0.5)
1	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>1</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANIn7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANE/7.2/RES- INORGI04
	Sairaidh Campus	02/01/2025	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)
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (1.0Q-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)
AAQ-5		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/01/2025	8LQ (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)
		28/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (1.0Q-2.0)	BLQ (LOQ-0.03)
,	NAAQMS Standa	rds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please ane watermark 'Original Test Report' to confirm the authenicity of this report.
Please shall be referred to tested sampless and applicable to tested parameters only.
Test report shall not be
reproduced except in full without prior written approval of Anacort Labs.
BLQ= below 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.

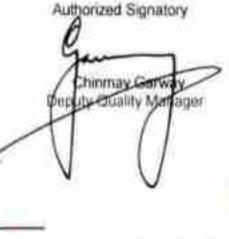
Verified by

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Snehal Raut Technical Manager

Dhanashree Hiwanj Sr. Technical Assistant

----End of Report----





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Test Report

Page 1 of 1

Ambient A	ir Quality	-January	-2025
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Report No.:-	ALPL/15042025/1-6	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	P.O. Kusmi, DistL:-Balrampur (C.G.) - 497 222.
Type of Work-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/01/2025 to 28/01/2025	Sample Inward Date	10.22.30-Jan-2025
Test Started On:-	10,22,30-Jan-2024	Test Completed On	11,23.31-Jan-2025
Sampling Method	ANtd/7.2/Mon-01		1 Warrantin Charles

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>2</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>5</sup>	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	(S.5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
- k	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ent Air
	Tatijbaria Village/ Nr Weigh Bridge	02/01/2025	57.5	19.8	10.7	17.4	BLQ (LOQ-0.5)
		07/01/2025	63.3	21.7	9.9	19.8	BLQ (LOQ-0.5)
		09/01/2025	59.1	24.9	8.2	21.5	BLQ (LOQ-0.5)
		14/01/2025	55.5	20.5	8.8	19.4	BLQ (LOQ-0.5)
AAQ-6		16/01/2025	62.3	22.7	8.4	17.3	BLQ (LOQ-0.5)
		21/01/2025	56.4	21.2	7.9	19.2	BLQ (LOQ-0.5)
		23/01/2025	60.2	23.5	9.6	18.4	BLQ (LOQ-0.5)
		28/01/2025	63.7	25.4	8.4	20.8	BLQ (LOQ-0.5)
1	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg/m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng/m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
	Tatgharia Village Nr.Weigh Bridge	02/01/2025	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)
		09/01/2025	BLQ (LDQ-0.2)	BLQ (LOQ-0.0005)	BLQ (1.0Q-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)
AAQ-6		16/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		21/01/2025	BLQ (LDQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (1.0Q-0.03)
		23/01/2025	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)
E Discher and	NAAQMS Standar	da	1.0 (24 hrs)		6.0 (annual)	<del>(1</del> -0)

NOTES: Please size watermark "Origins: Test Report to confirm the authoriticity of this report. A Results shall be selected to tested sample(s) and appealse to tested parameters only. I fest report shall not be reproduced except in full without prior written approval of Anacon Labs. BLQ+ below limit of quantification. COQ+ limit of quantification. Environmental condition - Satisfactory. Statument of conformity issued on the basis of decision note as per quality procedure (QP/7.5/05).

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

Verified by

Snehal Raut Technical Manager

Sr. Technical Assistant ----End of Report----

Authorized Signatory Chipsey Garwa Deputy Quality Manager



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Test Report

Page 1 of 1

Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/1-7	Report Date:-	15/04/2025
Insued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/01/2025 to 28/01/2025	Sample Inward Date	10,22,30-Jan-2025
Test Started On:-	10,22,30-Jan-2024	Test Completed On	11,23,31-Jan-2025
Sampling Method	ANtd/7.2/Mon-01		1

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) (PM2.5) µg/m <sup>3</sup> µg/m <sup>3</sup>		Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>2</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Product tested : Ambient Air		
		02/01/2025	55,5	21.2	9.5	15.8	BLQ (LOQ-0.5)
		07/01/2025	59.9	24.7	6,6	14.2	BLQ (LOQ-0,5)
8		09/01/2025	61.2	25.1	9.1	15.6	BLQ (LOQ-0.5)
	Piprapat/	14/01/2025	58.1	20.5	8.3	16.2	BLQ (LOQ-0.5)
AAQ-7	Nr. Mining Area	16/01/2025	54.4	17.8	9.5	13.7	BLQ (LOQ-0.5)
		21/01/2025	57.1	20.6	7.2	15.7	BLQ (LOQ-0.5)
		23/01/2025	53 3	17.2	7.9	14.4	BLQ (LOQ-0.5)
		28/01/2025	48.6	16.4	8.3	18.4	BLQ (LOQ-0.5)
1	NAAQMS Standar	ds	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 pg /m <sup>2</sup>	Mercury as Hg µg /m <sup>5</sup>	Arsenic as As ng /m <sup>®</sup>	Chromium as Cr µg /m <sup>2</sup>	
_	Test Method		ANtr/7.2/RES- INORG/04	ANI//7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		02/01/2025	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)	8LQ (LOQ-0.03)	
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
	Piprapat/	14/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)	
AAQ-7	Nr. Mining Area	16/01/2025	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)	
		23/01/2025	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 Standa	rds	1.0 (24 hrs)		6.0 (annual)		

NOTES • rease see saturman Original Test Report to contem the authenticity of this report. • Results shall be referred to tested samples) and applicable to tested parameters only • Test report shall not be reproduced except in full without prior written approval of Anacom Labs. • BLQ+ below limit of quantification. • Environmental condition - Satisfactory. • Statement of conformity lassed on the basis of decision rule as per quality procedure (QP/7.0/06).

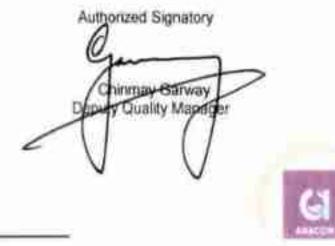
Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Ra Technical Manager

Dhanashree Hiwanj Sr. Technical Assistant

---- End of Report----





### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

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Ambient Air Quality-January-2025

Report No.:-	ALPL/15042025/1-8	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Saman Bauxite Mines, P.O. Kusmi, Distt :-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/25012025/MON-241-EAAQ-1/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 02/01/2025 to 28/01/2025	Sample Inward Date	10.22,30-Jan-2025
Test Started On:-	10.22.30-Jan-2024	Test Completed On	11,23,31-Jan-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	PM10) (PM2.5.) μg/m <sup>3</sup> μg/m <sup>3</sup>		Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		(S 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or Pr	ent Air	
		02/01/2025	54.8	21.4	8.7	16.2	BLQ (LOQ-0.5)
		07/01/2025	59.9	24.5	9.5	17.2	BLQ (LOQ-0.5)
†)		09/01/2025	57.8	20.5	7.6	15.7	BLQ (LOQ-0.5)
12110220120	65-11-11-5-1	14/01/2025	61.2	22.3	9.3	14.7	BLQ (LOQ-0.5)
AAQ-8	Virhorepet.	16/01/2025	56.2	20.3	8.7	16.2	BLQ (LOQ-0.5)
		21/01/2025	62.5	247	7.2	15.8	BLQ (LOQ-0.5)
		23/01/2025	58.6	20.7	7.6	15.1	BLQ (LOQ-0.5)
		28/01/2025	55.5	\$7.7	ä.7	14.4	BLQ (LOQ-0.5)
1	AAQMS Standar	is	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 pg /m <sup>1</sup>	Mercury as Hg µg/m <sup>3</sup>	Arsenic as As ng /m <sup>1</sup>	Chromium as Cr µg /m <sup>2</sup>	
	Test Method		ANtr/7 2/RES- INORG/04	ANII/7.2/RES- INORG/04	ANI/7.2/RES- INORG/04	ANU/7.2/RES- INORG/04	
		02/01/2025	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)	
		09/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (I.OQ-2.0)	BLQ (LOQ-0.03)	
	a diski cista da	14/01/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03	
AAQ-8	Virborepat	16/01/2025	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)	8LQ (LOQ-2.0)	BLQ (LOQ-0.03)	
1		23/01/2025	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 Standa	rds	1.0 (24 hrs)		6.0 (annual)		

NOTES: 
Please see watermark 'Original Test Report' to contem the authenticity of this report.
Results shall be referred to tested sample(s) and applicable to tested parameters only.
Test report shall not be
teproduced except in full without prior writen approval of Anacon Labs.
BLO= below limit of quantification.
LOO= limit of quantification.
Environmental condition - Setisfactory.
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

Dhanashree Hiwanj Sr. Technical Assistant

-End of Report-

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Test Report

Ambient Air Quality-February-2025

Page 1 of 1

Report No .:-	ALPL/15042025/1-9	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt :-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/24022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Aksnay Babulkar (Sampling duration Period 03/02/2025 to 27/02/2025)	Sample Inward Date	7,14,21,28-Feb-2025
Test Started On:-	7,14,21,28-Feb-2025	Test Completed On:-	8.15.22.28-Feb-2025
Sampling Method	ANtd/7/2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5.) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L.	Discipline: Cher	nical	Group: A	tmospheric Pollution	Material or I	bient Air	
		03/02/2025	59.3	21.5	9.1	13.5	BLQ (LOQ-0.5)
		06/02/2025	63.4	23.7	7.9	15.7	BLQ (LOQ-0.5)
	Const Constant	10/02/2025	65.5	26.1	7.4	17.5	BLQ (LOQ-0.5)
AAQ-1	Samri-Gopatu/	13/02/2025	51.4	19.7	8.3	15.4	BLQ (LOQ-0.5)
AAQ-1	Near Weigh bridge	17/02/2025	54.7	21.5	7.6	13.8	BLQ (LOQ-0.5)
	Dridge	20/02/2025	52.9	19.3	9.3	12.6	BLQ (LOQ-0.5)
	1	24/02/2025	57.1	20.5	7.9	15.4	BLQ (LOQ-0.5)
		27/02/2025	54.8	22.2	8.4	13.1	BLQ (LOQ-0.5)
	AAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANItr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04
		03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	Samri-Gopatu/	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)
AAQ-1		13/02/2025	BLO (LOQ-0.2)	BLQ (LOO-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAGT	Near Weigh bridge	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 Standa	rds	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 cony.
Test report shall not be reproduced except in full without prior written approval of Anacian Labs.
BLO= 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 Authorized Signatory Dhanashree Hiwanj Chinmey Garvay Snehal Rauf Technical Manager Sr. Technical Assistant puty Quality Manager -End of Report-1 m - 1



### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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### Test Report

Page 1 of 1

#### Ambient Air Quality-February-2025

Report No.	17I	ALPL	/15042025/1-10		Report Date:-			15/04/202	5
issued to :-		M/s Hindal	co Industries Limited		Address:-			Samari Bauxite P.O. Kusm Distt -Balrampu - 497 222	₩. r (C.G.)
Type of Wo	irk:-		ent Air Quality Core Zone)	Sample Inward No.			AL	ALPL/24022025/MON-241-EAAQ-2/6	
Sampled by	,	Mr Akshay Babuli	n Representative uar (Sampling duration Pe 025 to 27/02/2025)	eniod	Sample Inward Date		7,14,21	7,14,21,28-Feb-2025	
Test Starte	d On:-	7,14,21,28-Feb-20.	25		Test Complete	d On:-	8,15,22	28-Feb-2025	
Sampling M	Method	ANtd/7 2/Mon-01							
Sr. No.	LOCATIO	N Date of sampling	Particulate Matter (PM10) µg/m <sup>2</sup>	Par	ticulate Matter Sulpl (PM2.5.) dioxi µg/m <sup>3</sup> µg/r		xide	Oxides of Nitrogen µg/m <sup>9</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Metho	bd	IS 5182 (Part 23)	USEPA-40(Part 50)		IS:5182(Part-2)		IS:5182 (Part-6)	IS:5182 (Part-10
1.	Discipline:	Chemical	Group: A	Imospi	heric Pollution	Ma	terial or l	Product tested : Ambient Air	
		03/02/2025	61.5		23.6 1		).6	15.7	BLQ (LOQ-0.5)
		06/02/2025	65.8		25.6	11.7		14.4	BLQ (LOQ-0.5)
		10/02/2025	60.6		21.5	11	1.1	13.1	BLQ (LOQ-0.5)
1.1.1.1.1.1.1	Dhandiapa	Contraction of the second second second second second second second second second second second second second s	54.2		18.6	12	2.7	14.5	BLQ (LOQ-0.5)
AAQ-2	Nr. Minin Area	9 17/02/2025	59.4	1	25.6	12	21	13.2	BLQ (LOQ-0.5)
	1000	20/02/2025	57.1		19.9	13	3.6	13.7	BLQ (LOQ-0.5)
		24/02/2025	60.4		22.3	11	1.5	16.2	BLQ (LOQ-0.5)
×.		27/02/2025	59.5		24.1	13	3.5	17.1	BLQ (LOQ-0.5)
1	AAQMS Stan	dards	100 (24 hrs)		60 (24 hrs)	80 (2	4 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		03/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
0		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)
	Dhandiapat/	13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-2	Nr. Mining Area	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 Standar	rds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 

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Results shall be referred to tested samplets) and applicable to tested parameters only.

Test report shall not be reproduced except in full without plor written approval of Anacon Labs.

BLOP: below 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 NAAOMS Standards.

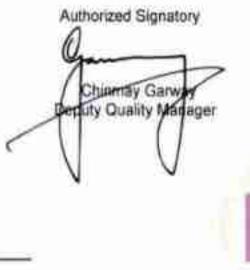
Verified by



Dhanashree Hwanj

Sr. Technical Assistant

---- End of Report----





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### Test Report

Page 1 of 1

#### Ambient Air Quality-February-2025

Report No.:	*	ALPL	/15042025/1-11		Report Date:-		[	15/04/202	5
Issued to :-		M/s Hindal	co Industries Limited		Address:-			Samari Bauxite Mines P.O. Kusmi, Distt: -Balrampur (C.G - 497 222	
Type of Wo	ork:-		ient Air Quality Core Zone)	Surrying Index			ALI	ALPL/24022025/MON-241-EAAQ-2/64	
Sampled by	y	Mr. Akshay Babulk	n Representative ar (Sampling duration Pe 025 to 27/02/2025)	eriod	Sample Inward Date		7,14,21	7,14,21,28-Feb-2025	
Test Starte	d On:-	7,14,21,28-Feb-202	25		Test Complete	d On:-	8.15,22	28-Feb-2025	
Sampling M	Aethod	ANtd/7.2/Mon-01							
Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Par	iculate Matter Sulphur (PM2.5.) dioxide µg/m <sup>3</sup> µg/m <sup>3</sup>		xide	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Metho	d	IS 5182 (Part 23)	USE	PA-40(Part 50)	IS:5182(Part-2)		IS:5182 (Part-6)	IS:5182 (Part-10)
t.	Discipline: (	Chemical	Group: A	tmosph	neric Pollution	Ma	terial or l	Product tested : An	bient Air
		03/02/2025	65.9		25.2	11	.5	16.5	BLQ (LOQ-0.5)
		06/02/2025	59.7		22.7	17	.1	14.2	BLQ (LOQ-0.5)
		10/02/2025	64.3	-	26.4	12	2.6	13.1	BLQ (LOQ-0.5)
7572-61161	Kutku Villag	13/02/2025	61.3		22.6	10	12	14.5	BLQ (LOQ-0.5)
AAQ-3	Nr. V.T. Cen		60.7		25.6	1	7	16.2	BLQ (LOQ-0.5)
		20/02/2025	67.7		24.5	13	3.2	13.6	BLQ (LOQ-0.5)
		24/02/2025	72.1		27.8	12	2.3	15.1	BLQ (LOQ-0.5)
8		27/02/2025	60.3		21.5	13	1.6	12.4	BLQ (LOQ-0.5)
	NAAQMS Stand	iards	100 (24 hrs)		50 (24 hrs)	80 (2	4 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb Mercury as Hg Arsenic as As µg /m <sup>3</sup> µg /m <sup>3</sup> ng /m <sup>3</sup>		Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method			ANtr/7_2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
h.	Kutku Village/ Nr. V.T. Center	10/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
10.5		13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-3		17/02/2025	BLO (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 Standa	rds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Pease see watermark 'Original Test Report to committee authenticity of this report.
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Test report shall
not be reproduced except in full without prior written approval of Anticon Labs.
BLOP below limit of quantification.
LOC= 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



Dhanashree Hiwanj

Sr. Technical Assistant

---- End of Report----

Authorized Signatory Chinmay Garwa Dentity Quality Mapager



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### Test Report

Page 1 of 1

#### Ambient Air Quality-February-2025

Report No.:-	ALPL/15042025/1-12	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/24022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 03/02/2025 to 27/02/2025)	Sample Inward Date	7,14,21,28-Feb-2025
Test Started On:-	7.14.21.28-Feb-2025	Test Completed On:-	8.15.22.28-Feb-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>1</sup>	Carbon Monoside (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
I.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Product tested : Am	bient Air
		03/02/2025	63.4	20.2	11.8	13.8	BLQ (LOQ-0.5)
		06/02/2025	67.5	25.6	13.2	15.6	BLQ (LOQ-0.5)
		10/02/2025	64.3	23.1	12.5	13.5	BLQ (LOQ-0.5)
	Dumerkhol/	13/02/2025	66.8	24.4	10.6	16.2	BLQ (LOQ-0.5)
AAQ-4	Nr. Mining Area	17/02/2025	68.6	27.2	13.5	14.4	BLQ (LOQ-0.5)
		20/02/2025	61.4	22.6	14.7	16.8	BLQ (LOQ-0.5)
16		24/02/2025	65.2	27.2	13.6	15.9	BLQ (LOQ-0.5)
		27/02/2025	62.5	23.5	11.7	14.6	BLQ (LOQ-0.5)
1	NAAQMS Standar	ds	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 Mercury as Hg µg /m <sup>2</sup> µg /m <sup>2</sup>		Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method		ANtt/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANtr/7 2/RES- INORG/04	
		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)
	Dumerkholif	13/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-4	Nr. Mining Area	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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please see watermark "Original Test Report" to continu 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 an full without prior written approval of Anacon Labs.
BLO= 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/7.5/05).

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

Verified by Authorized Signatory Snehal Raut Dhanashree Hiwanj Chinmay Garway Deputy Quality Mahager Technical Manager Sr. Technical Assistant ----End of Report----



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### Test Report

#### Ambient Air Quality-February-2025

#### Page 1 of 1

Report No .:-	ALPL/15042025/1-13	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt: -Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/24022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babalkar (Sampling duration Period 04/02/2025 to 28/02/2025)	Sample inward Date	8,15,22,28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9.16.23,28-Feb-2025
Sampling Method	ANtd/7.2/Mon-01	The Property of the Property of the	

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>5</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Product tested : An	ibient Air
		04/02/2025	57.4	31.6	9.5	20.2	BLQ (LOQ-0.5)
		07/02/2025	63.6	27.4	13.8	22.8	BLQ (LOQ-0.5)
		11/02/2025	61.3	24.5	11.9	17.6	BLQ (LOQ-0.5)
-0.220E3	Sairaidh	14/02/2025	58.6	21.9	14.2	21.8	BLQ (LOQ-0.5)
AAQ-5	Campus	18/02/2025	63.2	26.1	12.4	18.9	BLQ (LOQ-0.5)
		21/02/2025	66.2	27.9	10.7	19.4	BLQ (LOQ-0.5)
		25/02/2025	64,3	30.5	13.1	16.6	BLQ (LOQ-0.5)
		28/02/2025	70.1	32.4	11.4	20.7	BLQ (LOQ-0.5)
1	AAQMS Standar	ds	100 (24 hrs)	50 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m³	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04	
		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)
AAQ-5	Sairaidh Gampus	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 Standa		1.0 (24 hrs)	( <b>6444</b> )	6.0 (annual)	-

NOTES: • Frease 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).

101-1

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

Verified by



Dhanashree Hiwanj Sr. Technical Assistant

----

----End of Report----





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### Test Report

Page 1 of 1

Ambient	Air	Quality-February	2025
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Report No .:-	ALPL/15042025/1-14	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample inward No.	ALPL/24022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 04/02/2025 to 28/02/2025)	Sample Inward Date	8,15.22.28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9,16,23,28-Feb-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m²	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	15:5182 (Part-10)
j.	Discipline: Cherr	ical	Group: Al	mospheric Pollution	Material or I	Product tested : An	bient Air
		04/02/2025	74.6	33.7	12.7	23.1	BLQ (LOQ-0.5)
		07/02/2025	68.5	29.9	11.3	21.2	BLQ (LOQ-0.5)
		11/02/2025	76.5	31.3	10.2	17.1	BLQ (LOQ-0.5)
	Tatijharia Village/	14/02/2025	71.7	29.6	9.8	18.7	BLQ (LOQ-0.5)
AAQ-5	Nr.Weigh	18/02/2025	78.6	34.2	11.7	20.7	BLQ (LOQ-0.5)
	Bridge	21/02/2025	65.6	27.4	10.9	19.2	BLQ (LOQ-0.5)
		25/02/2025	62.3	29.1	10.7	21.4	BLQ (LOQ-0.5)
		28/02/2025	58.2	23.5	9,5	17.1	BLQ (LOQ-0.5)
	NAAOMS Standar	fs	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m³	µg/m² µg/m² ng/m²		Chromium as Cr µg /m <sup>3</sup>
Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	
		04/02/2025	BLO (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)
	i atımana villager Nr.Weigh Bridge	11/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
200-000 L		14/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-6		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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Piease see watermark: Original Test Report to confirm the authenbody of this report.

Fiscults shall be referred to tested sample(s) and applicable to tested perimeters only.

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BLQ= below 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.

Venfied by Authorized Signatory Snehal Raut Dhanashree Hiwanj hinmay Garway Technical Manager Sr. Technical Assistant Deputy Quality Manager ----End of Report----1000 01 010-10.0100-001 1.4



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### Test Report

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Ambient Air Quality-February-2025	ł.
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Report No.:-	ALPL/15042025/1-15	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines. P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/24022025/MON-241-EAAQ-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 04/02/2025 to 28/02/2025)	Sample Inward Date	8.15,22.28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9,16,23,28-Feb-2025
Sampling Method	ANId/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Product tested : An	bient Air
-		04/02/2025	65.5	26.1	13.5	19.6	BLQ (LOQ-0.5)
		07/02/2025	72.1	28.6	12.2	22.4	BLQ (LOQ-0.5)
		11/02/2025	67.6	32.4	10.3	24.1	BLQ (LOQ-0.5)
	Piprapat/	14/02/2025	63.2	27.5	10.9	21.5	BLQ (LOQ-0.5)
AAQ-7	Nr. Mining	18/02/2025	72.2	31.7	10.5	19.4	BLQ (LOQ-0.5)
	Area	21/02/2025	64.9	25.1	9.7	21.3	BLQ (LOQ-0.5)
		25/02/2025	69.4	28.3	11.9	20.7	BLQ (LOQ-0.5)
		28/02/2025	72.8	26.8	10.1	23.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>2</sup>
	Test Method		ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtt/7.2/RES- INORG/04
		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	BLO (LOO-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)	
AAQ-7	Piprapet/ Nr. Mining Area	18/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	0.000 0.000 BOA 90.00	21/02/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
1		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 Standa	rds	1.0 (24 hrs)		5.0 (annual)	

NOTES: 
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BLO= below limit of quantification.
LOO= 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



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Dhanashree Hiwanj

Sr. Technical Assistant

----End of Report----





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### Test Report

#### Ambient Air Quality-February-2025

Page 1 of 1.

Report No.:-	ALPL/15042025/1-16	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/24022025/MON-241-EAAO-2/64
Sampled by	Anacon Representative Mr. Akshay Babulkar (Sampling duration Period 04/02/2025 to 28/02/2025)	Sample Inward Date	8.15,22,28-Feb-2025
Test Started On:-	8,15,22,28-Feb-2025	Test Completed On:-	9,16,23,28-Feb-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>1</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>1</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
l,	Discipline: Che	mical	Group: A	Imospheric Pollution	Material or I	Product tested : An	bient Air
		04/02/2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		07/02/2025	69.2	27.1	10.7	15.4	BLQ (LOQ-0.5)
		11/02/2025	67.5	23.6	10.3	17.6	BLQ (LOQ-0.5)
		14/02/2025	71.2	28.6	11.1	16.8	BLQ (LOQ-0.5)
AAQ-8	Virtorepat	18/02/2025	64.4	25.4	9.8	18.6	BLQ (LOQ-0.5)
		21/02/2025	59.2	29.3	8.9	15.6	BLQ (LOQ-0.5)
		25/02/2025	66.5	24.6	9.4	17.5	BLQ (LOQ-0.5)
-		28/02/2025	72.1	20.8	9.9	15.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>1</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtri7 2/RES- INORG/04
1		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)	BLO (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)	8LQ (LOQ-0.0005)	BLQ (LOQ-2.0)	*BLQ (LOQ-0.03)	
AAQ-8	Vintorepat	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-8.0005)	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 Standa	rds	1.0 (24 hrs)		6.0 (annual)	+++=

NOTES: 
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not be reproduced except in full without prior written approval of Anacon Lates.
Bit.Q= 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

Sne

Snehal Raut Technical Manager

Dhanashree Hiwanj Sr. Technical Assistant

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-End of Report----

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Test Report

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Ambient	Air	Quality	-March-2025	
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Report No.:-	ALPL/15042025/1-17	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 03/03/2025 to 27/03/2025)	Sample Inward Date	7,14,21,31-March-2025
Test Started On:-	7.14.21.31-March-2025	Test Completed On:-	8,15,22,31-March-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS 5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Cher	nical	Group: A	tmospheric Pollution	Material or Pr	oduct tested : Amb	ent Air
		03/03/2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		06/03/2025	69.2	27.1	10.7	15.4	BLQ (LOQ-0.5)
Samri-Gopatu/	10/03/2025	67.5	23.6	10.3	17.6	BLQ (LOQ-0.5)	
	Samri-Gopatu/	13/03/2025	71.2	28.6	11.1	16.8	BLQ (LOQ-0.5)
AAQ-1	Near Weigh bridge	17/03/2025	64.4	25.4	9.8	18.6	BLQ (LOQ-0.5)
	Dridge	20/03/2025	59.2	29.3	8.9	15.6	BLQ (LOQ-0.5)
		24/03/2025	66.5	24.6	9.4	17.5	BLQ (LOQ-0.5)
	27/03/2025	72.1	20.8	9.9	15.3	BLQ (LOQ-0.5)	
1	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>2</sup>	Morcury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>2</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIt/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04
		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)
Phone Phone	Samri-Gopatur	13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-1	Near Weigh bridge	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)	8LQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
		27/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standar	ds	1.0 (24 hrs)		6.0 (annual)	Other

NOTES: 
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BLG= below limit of quantification.

COQ- limit of quantification.

Environmental condition - Substactory.

Statement of the second statement of the second conformity issued on the basis of decision rule as per quality procedure (QP/7 #/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---

1911 - D. - D. - D.

10.00 ALC: NO.0

Authorized Signatory Hinmay Gamay eputy Quality/Manager





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Test Report

Page 1 of 1

Ambient Air Quality-March-2025	Ambient	Air Qu	ality-Ma	rch-2025
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Report No .:-	ALPL/15042025/1-18	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222.
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 03/03/2025 to 27/03/2025)	Sample Inward Date	7,14,21,31-March-2025
Test Started On:-	7,14,21,31-March-2025	Test Completed On:-	8,15,22,31-March-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>9</sup>	Sulphur dioxide µg/m <sup>2</sup>	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>2</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS 5182 (Part-10)
<u>(j</u> .)	Discipline: Che	mical	Group: A	Imospheric Pollution	Material or I	Product tested : An	bient Air
		03/03/2025	65.3	23.9	12.2	19.2	BLQ (LOQ-0.5)
		06/03/2025	58.8	25.4	10.3	20.1	BLQ (LOQ-0.5)
		10/03/2025	61.4	22.2	8.3	17.1	BLQ (LOQ-0.5)
	Dhaodiapat/	13/03/2025	70.1	24.7	8.7	14.7	BLQ (LOQ-0.5)
AAQ-2	Nr: Mining Area	17/03/2025	67.5	23.5	9.1	15.8	BLQ (LOQ-0.5)
		20/03/2025	62.1	27.4	9.9	17.1	BLQ (LOQ-0.5)
		24/03/2025	65.1	25.4	11.2	18,1	BLQ (LOQ-0.5)
		27/03/2025	70.6	28.6	9.9	15.3	BLQ (LOQ-0.5)
1	AAQMS Standar	ds	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 /m²	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>2</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04
		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)
	Onandwipht	13/03/2025	BLO (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (1.DQ-2.0)	BLQ (LOQ-0.03)
AAQ-2	Nr. Mining Area	17/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
1		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)
		27/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standar	ds	1.0 (24 hrs)		6.0 (annual)	

Authorized Signatory Venfied by Snehal Raut Dhanashree Hiwanj chining Garway Eputy Quality Mana Technical Manager Sr. Technical Assistant ---- End of Report----



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Test Report

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	Ambient Air Qu	ality-March-2025	10000000
Report No .:-	ALPL/15042025/1-19	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Saman Bauxite Mines. P.O. Kusmi, Distt: -Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 03/03/2025 to 27/03/2025)	Sample Inward Date	7,14,21,31-March-2025
Test Started On:-	7,14,21.31-March-2025	Test Completed On:-	8.15.22.31-March-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5162 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	15:5182 (Part-5)	15,5182 (Part-10)
h.	Discipline: Cher	nical	Group: A	tmospheric Pollution	Material or I	Product tested : An	nbient Air
		03/03/2025	61.3	23.6	10.3	17.5	BLQ (LOQ-0.5)
		06/03/2025	66.1	22.2	8.7	18.6	BLQ (LOQ-0.5)
		10/03/2025	63.4	24.6	9.5	19.2	BLQ (LOQ-0.5)
100.000	Kutku Village/	13/03/2025	57.1	27.1	9.2	15.8	BLQ (LOQ-0.5)
AAQ-3	Nr. V.T. Center	17/03/2025	61.7	23.5	9.4	18.6	BLQ (LOQ-0.5)
		20/03/2025	66.9	26.2	8,1	17.3	BLQ (LOQ-0.5)
		24/03/2025	70.3	22.6	8.9	15.3	BLQ (LOQ-0.5)
		27/03/2025	61.8	24.6	9.4	17,1	BLQ (LOQ-0.5)
1	NAAQMS Standard	s	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m³	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7 2/RES- INORG/04	ANtr/7 2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANIT 2/RES- INORG/04
		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)
	Kulku Village/	13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-3	Nr. V.T. Center	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)
		27/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: Please see watermack 'Original Test Report' to confirm the authenticity of this report. 
I 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.
ELQ= below limit of quantification.
Emvironmental condition - Satisfactory.
Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.0/05).

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

Snehal Rau

Technical Manager

Dhapashr

Verified by

Dhanashree Hiwani Sr. Technical Assistant ----End of Report----

Authorized Signatory Chiomey Garway ity Quality Manager

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# Anacon Laboratories

### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Page 1 of 1

Report No.:-	ALPL/15042025/1-20	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222.
Type of Work:-	Amblent Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 03/03/2025 to 27/03/2025)	Sample Inward Date	7,14,21,31-March-2025
Test Started On:-	7,14,21,31-March-2025	Test Completed On:-	8,15,22,31-March-2025
Sampling Method	ANtd/7.2/Mon-01	Carles Construction (Construction)	

Ambient Air Quality-March-2025

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) µg/m <sup>3</sup>	Sulphur dioxide µg/m³	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method	·	IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	(S.5182 (Part-10)
L.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Product tested : An	nbient Air
		03/03/2025	63.8	26.2	9.8	19.2	BLQ (LOQ-0.5)
		06/03/2025	69.2	27.1	10.7	15.4	8LQ (LOQ-0.5)
		10/03/2025	67.5	23.6	10.3	17.6	BLQ (LOQ-0.5)
	Elumerkholi/	13/03/2025	71.2	28.6	11.1	16.8	BLQ (LOQ-0.5)
AAQ-4	Nr. Mining Area	17/03/2025	64.4	25.4	9.8	18.6	BLQ (LOQ-0.5)
	0.0000	20/03/2025	59.2	29.3	8.9	15.6	BLQ (LOQ-0.5)
9.		24/03/2025	66.5	24.6	9,4	17.5	BLQ (LOQ-0.5)
		27/03/2025	72.1	20.8	9.9	15:3	BLQ (LOQ-0.5)
	AAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANII/7.2/RES- INORG/04	ANI/7.2/RES- INORG/04	ANIr/7 2/RES- INORG/04
		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 (I.OQ-2.0)	BLQ (LOQ-0.03)
	Grametetrali/	13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-4	Nr. Mining Area	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 (I.OQ-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)
		27/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
	NAAQMS Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please see within an "Original Test Report" to confirm the authenticity of this report.
Please 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.
BLO: below limit of quantification.
LOO: Rest of quantification.
Environmental condition - Betisfactory.
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 **Technical Manager** 

Dhanashree Hiwanj Sr. Technical Assistant

-End of Report-





### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Ambient Air Quality, March 2025

Page 1 of 1

(A)	Citizant Cit So	anty-march-2025	and the second se
Report No .:-	ALPL/15042025/1-21	Report Date:-	15/04/2025
issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt.:-Balrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/03/2025 to 28/03/2025)	Sample Inward Date	8,15,22,31-March-2025
Test Started On:-	8.15,22.29-March-2025	Test Completed On:-	9,16,23,31-March-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>2</sup>	Particulate Matter (PM2.5) µg/m <sup>2</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>2</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5162 (Part 23)	USEPA-40(Part 50)	(S:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Chem	ical	Group: Atm	ospheric Pollution	Material or Pro	duct tested : Ambi	ent Air
		04/03/2025	65.3	23.9	12.2	19.2	8LQ (LOQ-0.5)
		07/03/2025	58.8	25.4	10.3	20.1	BLQ (LOQ-0.5)
		11/03/2025	61.4	22.2	8.3	17.1	BLQ (LOQ-0.5)
	Sairaidh	13/03/2025	70.1	24.7	8.7	14.7	BLQ (LOQ-0.5)
AAQ-5	Campus	18/03/2025	67.5	23.5	9,1	15.8	BLQ (LOQ-0.5)
2		21/03/2025	62.1	27.4	9.9	17.1	BLQ (LOQ-0.5)
		25/03/2025	65.1	25.4	11.2	18.1	BLQ (LOQ-0.5)
		28/03/2025	70.6	28.6	9,9	15.3	BLQ (LOQ-0.5)
	NAAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>1</sup>	Mercury as Hg µg (m <sup>2</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANItr/7 2/RES- INCIRG/04	ANtt/7.2/RES- INORG/04
		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)
2000	5	13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-5	Saraidh Campus	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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: 
Please we watermark 'Original Test Report' in contem the authenticity of this report.
Please shall be referred to tested sample(s) and applicable to tested parameters only.
Test report shall not be reproduced except in full without pron written approval of Anacon Labs.
UDD Binit of quantification.
Environmental condition - Satisfactory.
Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/06). Remark: - All Results are within Limit as per NAAQMS Standards.

Venfied by

Snehal Raut

Technical Manager

**Dhanashree Hiwanj** 

Sr. Technical Assistant

---- End of Report----

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Authorized Signatory chinmay Gany Deputy Quality Manager



### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

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Ambient Air Quality-March-2025
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		Construction of the local distribution of the	
Report No.:-	ALPL/15042025/1-22	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, Distt: Bairampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2625/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kaitash Chahande (Sampling duration Period 04/03/2025 to 28/03/2025)	Sample Inward Date	8,15,22,31-March-2025
Test Started On:-	8,15,22,29-March-2025	Test Completed On:-	9.16,23.31-March-2025
Sampling Method	ANId/7-2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) pg/m <sup>2</sup>	Sulphur dioxide µg/m²	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-6)	IS:5182 (Part-10)
L	Discipline: Che	mical	Group: A	Imospheric Pollution	Material or I	Product tested : An	bient Air
		04/03/2025	61.3	23.6	10.3	17.5	BLQ (LOQ-0.5)
		07/03/2025	66.1	22.2	8.7	18.6	BLQ (LOQ-0.5)
		11/03/2025	63.4	24.6	9.5	19.2	BLQ (LOQ-0.5)
The second second	Tatijoana Village/	13/03/2025	57.1	27.1	9.2	15.8	BLQ (LOQ-0.5)
AAQ-6	Nr Weigh	18/03/2025	61.7	23.5	9.4	18.6	BLQ (LOQ-0.5)
	Bridge	21/03/2025	66.9	26.2	8.1	17.3	BLQ (LOQ-0.5)
		25/03/2025	70.3	22.6	8.9	15:3	BLQ (LOQ-0.5)
		28/03/2025	61.8	24.6	9.4	17.1	BLQ (LOQ-0.5)
1	AAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>2</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>1</sup>
	Test Method		ANII/7.2/RES- INORG/04	ANItr/7.2/RES- INORG/04	ANtr/7.2/RES- INORG/04	ANtr/7 2/RES- INORG/04
		04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0 0005)	8LQ (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)
	Tatijharia Villaga)	13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-6	Nr Weigh Bridge	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 Standar	ds	1.0 (24 hrs)		6.0 (annual)	

NOTES: • Peace see waterrark "Degrint 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. • Environmental condition - Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.6/08).

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

Verified by

Snehal Rau **Technical Manager** 

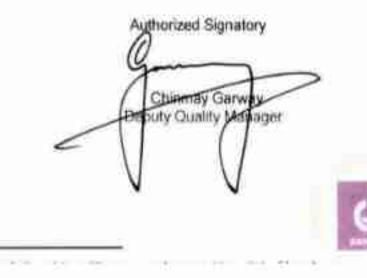
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Dhanashree Hiwanj Sr. Technical Assistant

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-End of Report-

States, Inc., March





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Test Report

Page 1 of 1

#### Ambient Air Quality-March-2025

Report No .:-	ALPL/15042025/1-23	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DistlBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/84
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/03/2025 to 28/03/2025)	Sample Inward Date	8,15,22,31-March-2025
Test Started On:-	8.15.22.29-March-2025	Test Completed On:-	9,16,23.31-March-2025
Sampling Method	ANId/7.2/Mon-01	A CONTRACTOR OF A DESCRIPTION OF A DESCRIPANTE A DESCRIPANTE A DESCRIPANTE A DESCRIPTION OF A DESCRIPTION OF	historia and the second second

Sr. No.	LOCATION	Date of sampling	Particulate Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5) pg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m <sup>3</sup>	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS:5182 (Part-S)	IS:5182 (Part-10)
L	Discipline: Chem	ical	Group: Al	mospheric Pollution	Material or P	roduct tested : Ami	bient Air
		04/03/2025	61.2	25.1	9.1	15.6	BLQ (LOQ-0.5)
		07/03/2025	58.1	20.5	8.3	16.2	BLQ (LOQ-0.5)
		11/03/2025	54.4	17.8	9.5	13.7	BLQ (LOQ-0.5)
<ul> <li>An analysis of the second secon</li></ul>	Piprapati	13/03/2025	57.1	20.6	7.2	15.7	BLQ (LOQ-0.5)
AAQ-7	Nr. Mining Area	18/03/2025	53,3	17.2	7.9	14.4	BLQ (LOQ-0.5)
	3	21/03/2025	48.6	16.4	8.3	18.4	BLQ (LOQ-0.5)
		25/03/2025	54.8	21.4	8.7	16.2	BLQ (LOQ-0.5)
		28/03/2025	59.9	24.5	9.5	17.2	BLQ (LOQ-0.5)
	NAAQMS Standard	\$	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>3</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANU/7.2/RES- INORG/04	ANIr/7.2/RES- INORG/04	ANIn7 2/RES- INORG/04	ANItr/7.2/RES- INORG/04
		04/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	8LQ (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)
	Pprapat/	11/03/2025	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)
AAQ-7	Nr. Mining Area	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 Standar	rds	1.0 (24 hrs)		6.0 (annual)	

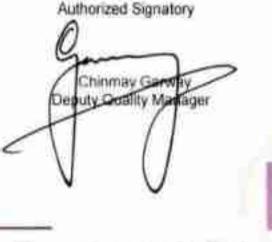
NOTES: 
Please see watermark "Original Test Report" to continu the authenticity of this report.
Results shall be referred to tested sample(s) and applicable to tested parameters only.
Tast report shall not be reproduced except in full without prior written approval of Anacon Labs.
BLQ= below limit of 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 NAAOMS Standards.

Verified by

**Technical Manager** 

Dhanashree Hiwani Sr. Technical Assistant

---- End of Report----





### Anacon Laboratories Pvt. Ltd. Nagpur Lab

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Test Report

Ambient Air Quality-March-2025

Page 1 of 1

Report No.:-	ALPL/15042025/1-24	Report Date:-	15/04/2025
Issued to :-	M/s Hindalco Industries Limited	Address:-	Samari Bauxite Mines, P.O. Kusmi, DisttBalrampur (C.G.) - 497 222
Type of Work:-	Ambient Air Quality (Core Zone)	Sample Inward No.	ALPL/3103/2025/MON-241-EAAQ-3/64
Sampled by	Anacon Representative Mr. Kailash Chahande (Sampling duration Period 04/03/2025 to 28/03/2025)	Sample Inward Date	8,15,22,31-March-2025
Test Started On:-	8.15.22.29-March-2025	Test Completed On:-	9,16,23,31-March-2025
Sampling Method	ANtd/7.2/Mon-01		

Sr. No.	LOCATION	Date of sampling	Particulato Matter (PM10) µg/m <sup>3</sup>	Particulate Matter (PM2.5 ) µg/m <sup>3</sup>	Sulphur dioxide µg/m <sup>3</sup>	Oxides of Nitrogen µg/m³	Carbon Monoxide (as CO) mg/m <sup>3</sup>
	Test Method		IS 5182 (Part 23)	USEPA-40(Part 50)	IS:5182(Part-2)	IS 5182 (Part-6)	IS:5182 (Part-10)
1.	Discipline: Che	mical	Group: A	tmospheric Pollution	Material or I	Product tested : An	bient Air
		04/03/2025	56.4	23.1	10.7	14.8	BLQ (LOQ-0.5)
		07/03/2025	61.5	24.3	9.3	18.4	BLQ (LOQ-0.5)
<b>B</b> 1		11/03/2025	65.2	25.6	8.7	20.6	BLQ (LOQ-0.5)
1000		13/03/2025	60.1	22.7	9.1	19.1	BLQ (LOQ-0.5)
AAQ-8	Virhorepat	18/03/2025	67.2	23.8	8.2	15.2	BLQ (LOQ-0.5)
		21/03/2025	62.9	20.5	8.5	16.7	BLQ (LOQ-0.5)
		25/03/2025	68.7	25.6	93	18.4	BLQ (LOQ-0.5)
		28/03/2025	57.6	20.8	8.8	17.1	BLQ (LOQ-0.5)
	AAQMS Standar	ds	100 (24 hrs)	60 (24 hrs)	80 (24 hrs)	80 (24 hrs)	2.0 (8 hrs)

Sr. No.	LOCATION	Date of sampling	Lead as Pb µg /m <sup>3</sup>	Mercury as Hg µg /m <sup>3</sup>	Arsenic as As ng /m <sup>2</sup>	Chromium as Cr µg /m <sup>3</sup>
	Test Method		ANtr/7.2/RES- INORG/04	ANItr/7.2/RES- INORG/04	ANtr/7.2/RES- INCIRG/04	ANtr/7.2/RES- INORG/04
		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)
		13/03/2025	BLQ (LOQ-0.2)	BLQ (LOQ-0.0005)	BLQ (LOQ-2.0)	BLQ (LOQ-0.03)
AAQ-8	Virhorepat	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 Standa	rds	1.0 (24 hrs)	0.222	6.0 (annual)	

NOTES: 
Please are watermark 'Original Test Report' to confirm the authenticity of this report.
Pleases shall be referred to tested semple(a) and applicable to tested parameters any.
Test report shall not be
reproduced except in full without prior written approval of Anecon Late.
BLQ= below limit of quantification.
Environmental condition - Satisfactory.
Estatement of
conformity issued on the basis of decision rule as per quality procedure (OP/7.8/05).

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

Verified by

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Shehal Raut Technical Manager

Dhanashree Hiwanj Sr. Technical Assistant

-End of Report-

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Authorized Signatory Chinthay Garw Debuty Quality Monager

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### 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.

Apotin

(Sanjay Pardhi) Agent- mines Samri mines division CC to:- 1.All concerned persons 2. Record. File

#### Annexure-I





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#### 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:

SI. 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.