BALCO/ENV/A-02(A)/2026/437 Date:16.11.2026

To,

The Regional Officer (IRO),

Ministry of Environment and Forest, Climate Change,

Integrated Regional Office, Aranya Bhawan,

North Block, Sector-19,

Nava Raipur, Atal Nagar (CG) 492002.

Sub: Half yearly compliance status (April 2026 to September 2026) for Chotia - II Captive Coal Mine.

Respected Sir,

On behalf of Bharat Aluminium Company Limited (hereinafter referred as "BALCO"), please find enclosed herewith the half yearly compliance report for the period April 2026 to September 2026 for the Environmental Clearance No. J-11015/96/2004-IA-II(M) dated 18th July 2018 for Chotia-II Captive Coal Mine.

We hope that the above is in line with the requirements under the referred Environmental Clearance. In case you require any further information or clarification, we would be glad to furnish the same.

Thanking you,
Yours Truly,

Sonali priyadarshini

(Authorized Signatory)

Copy to: The Regional Officer, Chhattisgarh Environment Conservation Board, Korba.

BHARAT ALUMINIUM CO. LTD.

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CIN: U74899DL1965PLC004518

Compliance - Status on Environmental Clearance
BALCO- CHOTIA- II COAL MINES, KORBA (C.G.)
Duration: April 2026 to September 2026

1. MoEF&CC's Letter No: J – 11015/96/2004-IA.II (M), dated 18.07.2018.
2. MoEF&CC's Letter No: J – 11015/96/2004-IA.II (M), dated 06.05.2019.
3. MoEF&CC's Letter No: J- 11015/96/2004-IA.II (M), dated 13.09.2023.

A. SPECIFIC CONDITIONS:

S.No	GENERAL CONDITION	COMPLIANCE STATUS
(i)	The capacity of the project shall be 1 MTPA (opencast) for first 5 Years and 0.30 MTPA (underground) from 6th year till life of the mine.	Noted and Agreed.
(ii)	The Environmental Clearance for the capacity of 1 MTPA (opencast) shall be valid for a period up to one year. Meanwhile, the project proponent shall comply with the observations of the EAC for single EC against the combined mining lease and mining plan, to consider continuance of the project thereafter.	We have discontinued Chotia Coal Mines operations, and we have initiated the surrendering of Chotia Coal Mines with determination of mining lease of Chotia Coal Mines. According to the Ministry of Coal guideline and notification dated 17/01/2025 condition no. 3.(1b), temporary mine closure plan was prepared for Chotia Coal Mines by CMPDIL and has been submitted to Ministry of Coal, further direction has been received during meeting held under chairmanship of nominated authority to do technical assessment of Chotia Coal Mines by CMPDIL, and technical assessment done by CMPDIL and submitted to Minsitry.
(iii)	To control the dust production at source, crusher and in-pit belt conveyors shall be provided with mist type sprinklers.	There are no in-pit belt conveyors at Chotia Mines. Sprinklers are installed in portable crusher. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II** for letter of intimation for the same to CECB.
(iv)	Mitigative measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient numbers of water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions as presented before the Committee, which would include mechanized sweeping, water sprinklers/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at railway siding, etc.	Complied with. Water sprinklers for suppressing dust in haul roads and loading sites have been provided. Plantation and greenbelt developed. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II**.

(v)	Persons of nearby villages shall be given training on livelihood and skill development to make them employable.	Complied with. Skill development training has been provided to villagers at Skill school operated by BALCO at Korba.
(vi)	To ensure health and welfare of nearby villages, regular medical camps shall be organized at least once in six months.	Complied with. Health camps are being organized in and around villages of Chotia. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II**.
(vii)	Thick green belt of adequate width in the down wind direction of the project site shall be developed to mitigate/check the dust pollution. Plantation plan shall be prepared in consultation with the State Forest Department.	Complied with**.**
(viii)	Mine water shall be disposed of after treatment.	Complied with.
(ix)	The project proponent shall upgrade the road (black topping) connecting Chotia - II Coal Mine to the nearest State Highway (Chotia- Chirimiri)	Complied with. The road connecting Chotia - II Coal Mine to the nearest State Highway (Chotia-Chirimiri) is black topped.
4.1	**The grant of EC is further subject to compliance of the generic conditions for OC as under :**	
(a)	**Mining**	
(i)	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Agreed.
(ii)	No Change in mining method i.e. OC to UG, calendar program and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change (MoEFCC)	Agreed.
(iii)	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS)	Agreed.
(iv)	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Complied with. The entire lease area of Chotia-II Mine is forest land and Forest Clearance has been transferred by MoEF&CC vide letter no F. No 8-64/2005 dated 18th May 2015. **Annexure-I.**
(b)	**Land reclamation and water conservation**	
(i)	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for	Digital survey of entire lease area by using Satellite Remote Sensing has been done-and report submitted in March 2025 to

	monitoring land use pattern and report in 1:50,000 scale shall be submitted to Ministry of Environment, Forest and Climate Change/ Regional Office (RO)	Ministry of Environment, Forest and Climate Change/ Regional Office (RO).
(ii)	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc., shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/GOI authority. The construction of the embankment to prevent any danger of inrush of surface water into the mines should be as per the approved Mining Plan and as per the permission of DGMS.	Complied and agreed with.
(iii)	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post - mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective state government as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August , 2009 and subsequent amendments.	Agreed.
(iv)	The entire excavated area, backfilling, external OB dumping (including topsoil) and afforestation plan shall be in conformity with the "during mining"/"post mining" land use pattern, which is an integral part of the approved Mining Plan and EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the Ministry of Environment, Forest and Climate Change/ regional Office on six monthly basis.	Agreed.

(v)	The topsoil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilized with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated area shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office on six monthly basis.	Complied with.
(c)	**Emissions, effluents and waste disposal**	
(i)	Transportation of Coal, to the extent permitted by road shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc. shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	Complied with. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II**.
(ii)	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area in a phased manner. The green belt comprising a mix of native species shall be developed all along the major approach/coal transportation roads.	Plantation in 7.5m safety belt zone has been completed and the same is being protected by double layer fencing. Additionally, BALCO has submitted DD to DFO Kathgohra of 1.99 Cr. for plantation vide letter No. BALCO/CHO/DFO/OCTOBER/2025/123 dated 29.10.2025 for fencing, construction of gabion, stone guard wall, community shelter cum rescue shelter.
(iii)	The transportation of coal shall be carried out as per the provisions and route proposed in the approved Mining Plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	Complied with.

(iv)	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centers.	Complied with. Regular vehicle checkup system has been implemented and the vehicles engaged in mining & allied activities are allowed to operate after verifying PUC Certificate. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II**.
(v)	Coal stockpile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid airborne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Complied with. As mines are not in operation since 1st September 2024 hence no dust generation is due to Coal stockpile/crusher/feeder and breaker material transfer points. Please refer to **Annexure – II**.
(vi)	Coal handling plant shall be operated with effective control measures viz. bag filters/water or mist sprinkling system etc. to check fugitive emissions from crushing operations, conveyor system, transfer points , etc.	Not applicable There is no plan of Coal Handling plant at Mine site.
(vii)	Ground water, excluding mine water, shall not be used for mining operation. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	Complied with.
(vi)	Catch/garland drains and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted -and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilized for dust suppression measures and green belt development. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.	Complied with. Garland drains have been provided all along the OB dumps to prevent the run-off of water and flow of sediments directly into the river/water bodies. Water collected in the sump is used for dust suppression in haul roads, coal stockpile, etc., 5 check dams with estimated storage capacity of 4000KL each are in place.

(ix)	Industrial wastewater generated from CHP, workshop and other wastewater, shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Oil and grease trap shall be installed and maintained fully functional with effluents discharge adhering to the norms. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste.	Complied with. ETP is in place to treat wastewater generated from workshop and STP has been installed for treating domestic wastewater inside the colony. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II**.
(x)	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	Complied with.
(d)	**Illumination, Noise & Vibration**	
(I)	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The Report on the same shall be submitted to this ministry & it's RO on six-monthly basis.	Complied with. The illumination Standards inside mine is as per the DGMS Standards. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II** for letter of intimation for the same to CECB.
(II)	Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with personal protective equipment (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness program for users to be conducted. Progress in usage of such accessories to be monitored.	Complied with. Workers engaged in blasting and drilling operations, operation of HEMM, etc., has been provided with Ear Plugs/Muffs. Regular training programs are conducted to aware the workers for its usage. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II** for letter of intimation for the same to CECB.
(III)	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations and fly rocks as per the guidelines prescribed by the DGMS.	Complied with. As the mines are not in operation since 1st September 2024 no blasting technique has been carried out during reporting period. Please refer to **Annexure – II**.
(IV)	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workman at vulnerable points in the mine premises and report in this regard shall be submitted to the Ministry/RO on six- monthly basis.	Agreed.
(e)	**Occupational health & safety**	

(i)	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational and hearing impairment, if any.	Agreed. Initial and periodical medical examination of the workers engaged in the Mines are being carried out as per Mines Rules 1955. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II** for letter of intimation for the same to CECB.
(ii)	Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Complied with. Personnel (including outsourcing employees) are being provided with protective respiratory devices and adequate training & information on safety and health aspects regularly.
(iii)	Skill training as per safety norms specified by DGMS shall be provided to all workm-en including the outsourcing employees to ensure high safety standards in mines.	Complied with.
(f)	**Ecosystem and biodiversity conservation**	
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the state forest and wildlife department.	Complied with. Wildlife Conservation & Management Plan has been approved by the State Forest Department. We have also deposited requisite fund of Rs. 4.43 Crores for implementation of Wildlife Conservation and Management Plan to State CAMPA account. Its details are given at **Annexure – III.**
(g)	**Public hearing , R&R and CSR**	
(i)	Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land outsees shall be compensated as per the norms laid down in the R&R policy of the company /state Government /Central Government, as applicable.	Agreed. BALCO has undertaken various tasks/measures for addressing the issues raised during Public Hearing.
(ii)	The project proponent shall ensure the expenditure towards socio-economic development in and around the mine, in every financial year in pursuance of the corporate social responsibility policy as per the provisions under section 135 of the companies Act, 2013.	Complied with.

(iii)	The project proponent shall follow the mitigation measures provided in this ministry's OM No.Z-11013/5712014-IA.l1 (M) dated 29th October,2014 titled 'Impact of mining activities on habitations-issues related to the mining project wherein habitations and villagers are the part of mine lease areas or habitations and villagers are surrounded by the mine lease area '.	Complied with. The entire lease area of Chotia II Mine falls under Forest Land for which FC has already been granted by MoEF&CC. Attached as **Annexure-I**.
(iv)	The project proponent shall consultation with the state government to provide alternative arrangements-, If grazing land- is involved in core zone, in consultation with the state government to provide alternate areas for livestock grazing, if any. In this context the project proponent shall implement the direction of Hon'ble Supreme Court with regard to acquiring grazing land.	Complied with. The entire lease area of Chotia II Mine falls under Forest Land for which FC has already been granted by MoEF&CC.
(h)	**Corporate environment responsibility**	
(i)	The Company shall have a well laid down environment policy duly approved by Board of Directors. The environment policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. Also, the company shall have a defined system of reporting of non-compliances/violations of environmental norms to the Board of Directors and/or shareholders/stakeholders.	Complied with. The well laid down environment policy duly approved by Board of Directors is in place. The system of reporting of non-compliances/violations of environmental norms to the Board of Directors and/or shareholders/stakeholders is in place.
(ii)	The project proponent shall comply with the provisions contained in this Ministry's OM dated 1st May, 2018, as applicable, regarding Corporate Environment Responsibility.	Complied with.
(iii)	A separate environmental management cell both at the project and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Board level executive/Head of the Organization.	Noted.

(iv)	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Complied.
(v)	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed.
(vi)	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.	Complied with.
(vii)	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	Complied with.
(i)	**Statutory Obligations**	
(i)	The environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law from time to time, and as applicable to the project.	Agreed.
(ii)	This environmental clearance shall be subject to obtaining wildlife clearance, if applicable, from the Standing Committee of National Board for Wildlife.	Agreed.
(iii)	The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.	Complied. The Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from Chhattisgarh Environment Conservation Board has been obtained.
(iv)	The project proponent shall obtain the necessary permission from the Central Ground Water Authority (CGWA).	Complied.
(j)	**Monitoring of project**	

(i)	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO_2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and /or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months.	Complied with. Four Ambient Air Quality Monitoring Stations (AAQMS) have been established in consultation with the Chhattisgarh Environment Conservation Board. Monitoring of ambient air quality is carried out twice a week. There is no source for Hg, As, Ni, Cd, Cr, in mines.
(ii)	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742(E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr, and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Complied with. Report of AAQM data is being submitted on monthly basis to all concerned **Annexure-IV.**
(iii)	The effluent discharge (mine wastewater, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time by the Central Pollution Control Board.	Complied with.
(iv)	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA.II(M) dated 27.05.2009 issued by the Ministry shall also be referred in this regard for its compliance.	Complied with. Monitoring data has been uploaded on company's website with Half yearly reports.
(v)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area through a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre monsoon, monsoon, post monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MoEF & CC/Regional Office.	Regular monitoring of ground water level and Quality is being done at existing wells and Piezometers installed in and around the Mine Lease area. The data thus collected is being sent regularly to the MoEF & CC/Regional Office**.**

(vi)	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Agreed. The reports from April 2026 to September 2026 is attached as **Annexure-V**.
(vii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the Ministry of Environment, Forest and climate change/Regional Office. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to March of the financial years.	Agreed.
(viii)	The Regional Office of this Ministry 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.	Agreed.
(K)	**Miscellaneous**	
(i)	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and of renewable energy.	Agreed.
(ii)	The project authorities shall inform to the Regional Office regarding commencement of mining operations.	Complied with.
(iii)	A copy of the Environmental Clearance shall be marked to concerned Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's office/Tehsildar office for information in public domain within 30 days.	Complied with.
(iv)	The EC shall be uploaded on the company's website. The compliances status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.	Complied with
(v)	The project authorities shall 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 this clearance, informing that the project has been accorded environmental clearance and a copy of the same is available with the State Pollution Control Board and also at website of the Ministry.	Complied with The grant of EC has been informed via advertisement in two local newspapers. It is enclosed as **Annexure –VI**.

(vi)	The environmental statement for each financial year ending 31 March in Form - V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail. Concerns raised during hearing.	Agreed. The Environment Statement has been submitted for FY 2025-26 via letter No. CHOTIA/ENVT/B-01/2026/333 dated 01.09.2026.
(vii)	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.	Agreed.
5	The Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.	Agreed.
6	The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Complied with.
7	The Coal Company/Project proponent shall be liable to pay the compensation against the illegal mining, if any , and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August , 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of ' Common cause vs Union of India & others.'	Agreed.

8	The Concerned State Government shall ensure that the mining operations shall not commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of the Hon'ble Supreme Court.	Agreed.
9	This environment clearance shall not be operational till such time the project proponent complies with the above said judgement of Hon'ble Supreme Court, as applicable, and other statutory requirements.	Agreed.
10	This EC supersedes the earlier environmental clearance granted vide letter No. J-1105/96/2004-IA.II (M) dated 10th November, 2005.	Agreed.
	EC Amendment vide Letter No: J- 11015/96/2004-IA.II (M), dated 13.09.2023 **Specific Condition**	
1.1	PP needs to revise the mine plan and progressive mine closure plan for Chotia mine having two sections separately in the form of Part A (for Chotia I) and Part B (for Chotia II).	We have discontinued Chotia Coal Mines operations, and we have initiated the surrendering of Chotia Coal Mines with determination of mining lease of Chotia Coal Mines. According to the Ministry of Coal guideline and notification dated 17/01/2025 condition no. 3.(1b), temporary mine closure plan was prepared for Chotia Coal Mines by CMPDIL and has been submitted to Ministry of Coal, further direction has been received during meeting held under chairmanship of nominated authority to do technical assessment of Chotia Coal Mines by CMPDIL, and technical assessment done by CMPDIL and submitted to Ministry.
1.2	PP shall initiate the process to separate the lease area for Chotia I & II within three years.	We have discontinued Chotia Coal Mines operations, and we have initiated the surrendering of Chotia Coal Mines with determination of mining lease of Chotia Coal Mines. According to the Ministry of Coal guideline and notification dated 17/01/2025 condition no. 3.(1b), temporary mine closure plan was prepared for Chotia Coal Mines by CMPDIL and has been submitted to Ministry of Coal, further direction has been received during meeting held under chairmanship of nominated authority to do technical assessment of Chotia Coal Mines

		by CMPDIL, and technical assessment done by CMPDIL and submitted to Ministry.
1.3	As stipulated at para no. (5) & (6) of Ministry letter no. J-11015/96/2004-IA.II(M) dated 06.05.2019 regarding revalidation of EC and single EC, the EAC in its meeting held during 21-22nd July 2023 in context of revalidation of Chotia I & Single EC stated that "the application of Terms of Reference (vide proposal no. IA/CG/CMIN/434889/2023), revalidation of existing EC dated 10.11.2005 read with transferred EC dated 04.06.2015 along with other the application dated 31.07.2018 pending for revalidation under notification S.O. 1530 (E) dated 06.04.2018 is not required by PP". Therefore, in view of the recommendation of EAC, the revalidation of Chotia I EC and also taking one EC for Chotia I & II is not warranted in view of stipulation for preparing separate mine plan and mine lease.	We have discontinued Chotia Coal Mines operations, and we have initiated the surrendering of Chotia Coal Mines with determination of mining lease of Chotia Coal Mines. According to the Ministry of Coal guideline and notification dated 17/01/2025 condition no. 3.(1b), temporary mine closure plan was prepared for Chotia Coal Mines by CMPDIL and has been submitted to Ministry of Coal, further direction has been received during meeting held under chairmanship of nominated authority to do technical assessment of Chotia Coal Mines by CMPDIL, and technical assessment done by CMPDIL and submitted to Ministry
1.4	PP shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on "Public Grievance Redressal and Monitoring System.	Noted.
1.5	PP shall ensure distribution of water from the artificial reservoir within and outside Mine lease area in consultation with gram panchayat. The water treatment plant to meet the requirement with the start of production.	Complied.
1.6	PP shall pay to farmers of agricultural land if there is any loss due to pollution found by concerned District Commissioner as per extent rules or norms.	Noted.
1.7	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on	Complied with. However, mines are not in operation since 1st September 2024. Please refer to **Annexure – II** for letter of intimation for the same to CECB.

	routine basis. Any non- compliance or infringement should be reported to the concerned authority.	
1.8	PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.	Complied with.
1.9	PP to provide bio toilets to the villages located within the study areas within 1 year from the grant of this EC.	Complied with.
1.10	PP shall conduct feasibility studies for assessment of voids for backfilling of ash and mixing of ash with overburden, taking up backfilling ash and OB mixing activities during operations as well as post closure of mines in line with the Fly Ash Utilization Notification, 2021.	Noted.

F. No. 8-64/2005 - FC
Government of India
Ministry of Environment, Forests and Climate Change
(Forest Conservation Division)

Indira ParyavaranBhawan,
Aliganj, Jor Bag Road,
New Delhi - 110003.
Dated: 18th May, 2015

To

The Principal Secretary (Forests),
Government of Chhattisgarh,
Raipur.

Sub: Transfer of lease in respect of diversion of 960.286 ha of forest land (Out of which 726.349 ha accorded approval on 7.11.2011for open cast mining while 188.326 ha accorded on 29.03.2006 for underground mining) for underground/open cast mining in Chotia Coal Block in Korba District in the State of Chhattisgarh from the original user i.e. M/s Prakash Industries Limited to new user agency i.e. M/s Bharat Aluminium Company Limited in whose favour the coal block was auctioned/re-allotted by the Ministry of Coal – regarding.

Sir,

I am directed to refer to the Ministry of Coal's letter no. 13016/38/2015-CA-II dated 16.04.2015 on the above subject requesting this Ministry's to transfer its approval granted under the Forest (Conservation) Act, 1980 for diversion of forest land for coal mining at Chotia Coal Block in Korba District in the State of Chhattisgarh from the original user i.e. M/s Prakash Industries Limited, in whose favour the forest land was diverted, to new user agency i.e. M/s Bharat Aluminium Company Limited in whose favour the coal block was auctioned/re-allotted by the Ministry of Coal, in accordance with para 2.8 of the Guidelines issued under the Forest (Conservation) Act, 1980 read with the Guidelines dated 3.05.2010, 3.05.2013 and latest Guidelines dated 31.03.2015.

In this connection, I am directed to say that after careful examination of the proposal for transfer of forest clearance and on the basis of recommendations of the Ministry of Coal, the Central Government hereby conveys its approval for transfer of approval granted for diversion of 960.286 ha of forest land involving of Stage-I and Stage-II approvals granted by the Ministry vide its letters of even number dated 4.01.2011 and 7.06.2011, respectively in resects of diversion of 726.349 ha of forest land for open cast coal mining and Stage-I and Stage-II approval dated 10.11.2005 and 29.03.2006, respectively in respect of diversion of 188.326 ha of forest land for underground coal mining at Chotia Coal Block in Korba District in the State of Chhattisgarh from the original user i.e. M/s Prakash Industries Limited, in whose favour the forest land was diverted, to new user agency i.e. M/s Bharat Aluminium Company Limited, in whose favour the coal block was auctioned/re-allotted by the Ministry of Coal, subject to the conditions as given below:

(i) Lease transfer charges @ 10% of the NPV or Rs. 1.00.000/- (1 Lakh) whichever is less will be realized from the new user agency and will be deposited in the account of Ad-hoc CAMPA before execution of lease in favour of the new user agency.

Contd ...

(ii) Reimbursement of amount paid by the original user agency shall be dealt with in the manner, as provided in the Coal Mines (Special Provisions) Second Ordinance, 2014 and Rules framed thereunder.

(iii) The new user agency shall pay the NPV as per the approval granted under FC Act if not paid earlier. The new user agency shall also furnish an undertaking to pay the additional NPV, if so determined by the Hon'ble Supreme Court of India.

(iv) The new user agency shall abide by all the conditions on which the forest land was leased to the original user agency.

(v) The new user agency shall abide by any other condition that may be stipulated by the Central Government/Regional Offices/State Government in future in the interest of conservation, protection and development of forests & wildlife.

Yours faithfully.

Sd/

(B. K. Singh)
Director (FC)

Copy to:

1. Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.
2. Principal Chief Conservation of Forests, Government of Chhattisgarh, Raipur.
3. Addl. PCCF (Central), Regional Office, Nagpur.
4. Nodal Officer, O/o the PCCF, Government of Government of Jharkhand, Ranchi.
5. User Agencies:
   a) M/s Prakash Industries Limited
   b) M/s Bharat Aluminium Company Limited
6. Monitoring Cell, FC Division, MoEF&CC, New Delhi
7. Guard File.

(B. K. Singh)
Director (FC)

Annexure II

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India Post
EC158396795IN IVR:6967158396795
SP PONDIUPRODA SO (495448)
Counter No:1,06/09/2024,11:26
To:REGIONAL OFF,BORD NEAR TAHSIL
PIN:495677, Korba HO

BALCO/Chotia/Mine-Discontinuance/2024/942

1st Sept 2024

To
Regional Office
Chhattisgarh Environment Conservation Board
Near Tehsil Office
Rampur, Korba
H.I.G. 21 and 22
Distt.-Korba (C.G.)
Pin 495677

Sub: Intimation regarding discontinuance of mines operation of Chotia Coal Mine allocated to Bharat Aluminium Company Limited on account of exhaustion of viable coal reserves.

Respected Sir,

This is with regards to the Chotia Coal Block allocated to Bharat Aluminium Company Limited (Balco) which we request to surrender to the Nominated Authority, Ministry of Coal, Government of India.

Chotia Coal Mine is located in the state of Chhattisgarh, and was allocated to M/S Bharat Aluminium Company Limited, hereinafter referred to as 'BALCO', on the 28th day of February, 2015.

The basic details of the block mentioned above have been outlined below for reference:

FEATURES	DETAILS
LOCATION	
Coal Field	Hasdeo Arand Coalfield
District & State	Korba, Chhattisgarh
AREA	
Geological Block Area	Chotia I – 1101 Ha, Chotia II – 411 Ha
Project Area	Chotia I – 794.4 Ha, Chotia II – 350.6 Ha
Mining Lease Area	1179.826 Ha

The Chotia Coal Block was operationalised by Balco post allocation and peak rated capacity was achieved. Balco has operated and mined the open cast portion of the mine since its allocation and have extracted approximately **4.38 Million Tonnes** of reserves cumulatively since allocation adhering to the best industry practices and standards. While operating the coal mine, BALCO has adhered to all the terms and conditions of the allocation as per the Coal Mine Development and Operations Agreement signed between the President of India and Balco.

In 2019, Balco had got the revised mining plan approved for open cast mining and basis that Open Cast mining activities were ongoing. The mining of the block was ongoing as per mine plan approved in 2019 and open cast reserves are exhausted in the ongoing pit of Chotia II Sub Block. Now, prior to commencing the mining in other sectors of Chotia I and II in the areas not yet broken and to design the UG mine, a study is commissioned on the remaining coal resources to devise the strategy for development and operationalisation of the unbroken areas. However basis studies undertaken, it is found that remaining coal resources are not viable to be mined.

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balco
BHARAT ALUMINIUM COMPANY LIMITED
P.O. - BALCO Nagar, Korba, CG
India - 495684

Hence, BALCO has concluded that surrendering this coal block allocation and handing over the site back to the government is the most prudent course of action for us on account of exhaustion of the reserves. For the same, BALCO has already approached Nominated Authority.

Now, hereby through this letter we are intimating to your good office that Chotia Coal Mines operations are being discontinued as per prescribed format under Regulation 5 of Coal Mines Regulation 2017 and request you to kindly consider this as formal notice for mine closure and take necessary actions as per applicable regulations.

We will keep you informed of the further progress on the termination of our CMDPA with Nominated Authority.

In case any further clarifications are sought from our end, please let us know at the address mentioned below.

AMIT KUMAR DUBEY

Digitally signed by AMIT KUMAR DUBEY
DN: c=IN, o=PERSONAL, title=4710, pseudonym=75b2cbb5fc1f0d788780d06fd2462f9, 2.5.4.20=4178e88e82e4bc43614aac7b75f61dceb2e404b474862f6e1da83b3a067db4f9, postalCode=834009, st=Jharkhand, serialNumber=ae63fd7777c9b4ec100e8f6d698fa84ab37b28adb71e499d628b052172ade6c, cn=AMIT KUMAR DUBEY
Date: 2024.09.02 11:58:09 +05'30'

For, Bharat Aluminium Company Limited

Authorised Signatory

Form 1-D
Notice of discontinuance
(See Regulation 5)

From
Saurabh Pandey
Colliery Manager, Chotia II OC Coal Mine
M/s Bharat Aluminium Company Limited,
Village Salaigot, PO-Madai,
PS-Korbi, District - Korba
Chhattisgarh, PIN-495 445.
Mob: +91-8718868323, Email- saurabh.pandey2@vedanta.co.in

To,
1. The Director General of Mines Safety, Dhanbad (Jharkhand)
2. The Director of Mines Safety, Bilaspur Region, Chhattisgarh
3. The District Magistrate, Korba, Chhattisgarh

Sir,

I have to furnish the following particulars in respect of discontinuance of

1. Name of Mine: Chotia II OC Coal Mine

2. Name of owner/company/firm/association: M/s Bharat Aluminium Company Limited

3. Location of the mine: Lease Number(s)- 2171001801

Village : Salaigot
P.O Madai
Police Station : Korbi
Subdivision : Pondi Uproda
Railway Station : Korba
District : Korba
State : Chhattisgarh
PIN 495445

4. Labour Identification Number (LIN) : 1807100144

5. Mine Code: 10998

6. Details of Owner, Agent, Manager					
Sl. No.	Particulars	Owners	Nominated Owner	Agent	Manager
i	Name	Shri Rajesh Kumar	Shri Rajesh Kumar	Shri Amit Kumar Dubey	Shri Saurabh Pandey
ii	Father's name	Chandra Kumar	Chandra Kumar	Late. S.B. Dubey	Shri Shivnath Pandey
iii	Aadhaar No	512154706063	512154706063	619791864710	542500406289
iv	Address Village/area/road- Post Office- Police Station- Sub division (Taluq)/Tehsil- Railway Station(nearest)- District- State- PIN-	Area-BALCO Nagar P.O-BALCO Nagar Police Station- BALCO Nagar Sub Division- Korba Railway Station- Korba District- Korba, State- Chhattisgarh PIN- 495684	Area-BALCO Nagar P.O-BALCO Nagar Police Station- BALCO Nagar Sub Division- Korba Railway Station- Korba District- Korba, State- Chhattisgarh PIN- 495684	Village - Chotia, P.O-Madai, Police Station-Bango, Sub Division-Pondi Uproda, Railway Station-Korba District- Korba, State- Chhattisgarh PIN- 495448	Village - Chotia, P.O-Madai, Police Station- Bango, Sub Division- Pondi Uproda, Railway Station- Korba District- Korba, State- Chhattisgarh PIN- 495448
v	Mobile Number	+91-8092084690	+91-8092084690	+91-8917656486	+91-8718868323
vi	Telephone number(Landline)-				
vii	Fax Number				
viii	Email ID	rajesh.k@vedanta.co.in	rajesh.k@vedanta.cc.in	amitkumar.dubey @vedanta.co.in	saurabh.pandey2@ vedanta.co.in

7. Date on which it is intended to discontinue the mine: **01-09-2024**

8. Actual date of discontinuance: **01-09-2024**

9. Number of persons likely to be affected:

10. Reasons for discontinuance: **on account of exhaustion of viable coal reserves**

11. Updated plans enclosed as required under Regulation 66 of CMR, 2017 - **Yes**

11.1 If Yes, Specify the Plan(s) reference number(s) - **BALCO/CH II/19/52 Dated 31st July'2024.**

Saurabh Pandey 01/09/2024

Yours faithfully,
Saurabh Pandey
Colliery manger
Chotia II OC Cola Mines
M/s Bharat Aluminuim Company Limited
Date: 1st Sept 2024

TABLE-9.1
FINANCIAL ALLOCATION

S.N.	ITEM	ESTIMATED EXPENDITURE (IN LACS)
1	**CONSERVATION OF SOIL AND WATER**	
1.1	Watershed improvement	39.975
1.2	Improvement of existing water sources	50.000
1.3	Development of new water sources	86.000
2	**IMPROVEMENT OF FOOD**	
2.1	Pasture Development	19.960
2.2	Control of grazing	10.000
2.3	Weed control	6.000
2.4	Burning regime, seeding and grass cutting	10.000
2.5	Development of brows, fruit, seeds & mast.	19.960
3	**IMPROVEMENT OF COVER**	
3.1	Escape cover	25.873
3.2	Ambush cover	10.153
3.3	Reproductive cover	19.978
3.4	Special Refuges	4.000
3.5	Shade and resting places	39.120
4	**Creation of Conservation Awareness**	40.000
5	**Mitigating Human - Wild Life Conflict**	25.000
6	**Preparation of Biodiversity Register**	17.000
7	**Provision of Salt Licks**	5.000
8	**Fire Protection**	15.000
	TOTAL	**443.017**

Total estimated budget of Rs. 4.43 Crore for implementation of this Plan is already been deposited into CAMPA account.

9.1.1 Year wise Expenditure Allocation for various Activities is given in Table-9.2.

BHARAT ALUMINIUM Co. Ltd. balco

वन मण्डलाधिकारी
कटघोरा वनमण्डल, कटघोरा

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ISSUED TO:	Report No.:	VLL/VLS/26-27/02504/001
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	8.1	7.4	7.9	6.4	9.2	8.8	10.1	7.5	9.7	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	10.5	8.7	9.1	8.3	11.5	10.9	13.2	9.4	12.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	64.2	53.8	51.5	46.7	58.2	60.8	54.3	57.1	52.6	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	23.6	18.9	17.4	15.8	20.9	22.4	19.6	21.2	16.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.9	1.1	1.0	0.7	0.6	1.2	0.8	1.0	1.2	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.5	3.7	2.8	3.5	4.8	3.1	2.7	5.4	4.9	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	86	69	114	81	102	74	92	87	132	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.7	3.2	4.1	2.8	1.6	2.2	3.5	2.6	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LABORATORY VIMTA RECD. No- DL 33004/99 Sr. No.-5 VIMTA

Dr. Subba Reddy Mallampati
Manager-Environment

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ISSUED TO:	Report No.:	VLL/VLS/26-27/02504/002
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	7.8	9.5	8.8	7.1	7.9	9.5	8.6	7.4	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	9.5	11.4	10.9	9.5	10.3	11.5	10.2	9.5	11.6	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	52.1	46.4	56.6	49.2	57.9	50.6	43.8	47.5	53.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.9	13.5	19.2	15.8	20.1	15.8	13.1	15.9	18.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.0	0.7	0.8	0.9	1.1	0.8	1.2	1.0	1.1	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.5	3.7	2.6	4.1	2.7	5.2	4.9	6.2	3.1	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	74	5.8	93	68	114	92	85	121	89	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	1.3	1.7	1.2	2.7	1.1	1.6	3.2	2.1	1.8	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LAB Vimta VIMTA LABS REGD. No-DL 33004 VIMTA

Dr. Subba Reddy Mallampati
Manager - Environment

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ISSUED TO:	Report No.:	VLL/VLS/26-27/02504/003
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	10.3	8.1	7.9	11.4	8.5	10.1	9.4	7.6	7.3	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.2	10.5	8.4	13.5	10.8	12.5	11.6	9.3	10.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	58.7	62.1	47.4	42.8	53.6	48.1	54.9	53.7	50.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	20.7	22.4	16.9	14.9	20.8	17.5	19.3	18.1	17.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.4	1.1	0.9	0.7	1.0	1.2	0.8	1.3	0.9	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	3.7	2.6	3.2	5.1	4.7	3.3	4.8	2.9	5.1	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	134	69	128	113	107	128	82	74	105	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.6	2.7	2.2	1.8	3.7	2.1	2.8	1.4	2.5	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/02504/004
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.5	11.6	7.7	9.1	8.4	6.9	10.1	8.5	7.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.8	12.9	9.1	11.5	10.6	9.3	12.7	10.3	8.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	56.2	60.8	63.1	54.8	45.7	51.9	47.6	50.4	55.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	18.7	20.4	21.9	16.7	14.2	20.1	13.8	15.7	17.9	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	0.9	1.0	0.7	0.8	0.6	0.9	1.0	1.2	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.7	3.5	4.6	5.1	4.3	3.9	5.5	3.8	2.4	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	74	92	88	122	96	118	142	83	101	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.6	1.4	3.8	2.7	1.6	2.1	2.5	1.9	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/02504/005
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)									
Sampling Date			2026-04-02	2026-04-06	2026-04-09	2026-04-13	2026-04-16	2026-04-20	2026-04-23	2026-04-25	2026-04-28	Method
Sulphur Dioxide as SO_2	µg/m³	80	12.7	9.1	11.5	7.6	10.4	8.6	10.1	8.9	12.3	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	13.4	11.7	12.1	9.5	12.7	10.4	12.7	9.5	14.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	58.7	63.1	57.9	55.2	60.5	54.8	51.7	48.4	53.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	20.7	24.2	21.3	18.5	22.6	19.1	16.9	15.3	17.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.3	1.0	0.8	1.1	0.9	1.4	1.1	0.9	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.3	4.8	6.2	3.5	4.1	5.7	4.6	5.1	3.9	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	139	71	122	96	75	109	141	86	114	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.7	1.4	3.1	2.8	2.4	2.7	1.6	2.2	1.5	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	8.6	9.2	11.3	7.6	10.5	8.2	12.4	10.1	8.3	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	10.8	11.7	12.5	9.2	11.9	10.5	14.2	12.7	9.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	48.7	56.2	45.9	41.8	57.4	53.1	48.4	50.2	54.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.8	20.4	16.4	15.1	21.1	17.9	16.4	19.5	18.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	0.5	0.9	1.2	0.8	1.0	0.8	1.1	0.6	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.2	3.3	3.6	5.1	4.7	4.2	5.6	3.9	2.5	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	152	127	87	134	72	95	69	128	93	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	4.2	2.7	2.2	1.9	2.0	1.8	2.6	2.4	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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	Issue Date:	2026-05-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)									
Sampling Date			2026-04-02	2026-04-06	2026-04-09	2026-04-13	2026-04-16	2026-04-20	2026-04-23	2026-04-25	2026-04-28	Method
Sulphur Dioxide as SO_2	µg/m³	80	11.7	8.9	6.8	9.3	13.2	10.8	7.5	13.1	8.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	13.5	10.5	9.3	11.4	15.2	12.7	9.5	14.6	11.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	58.7	64.5	60.9	55.4	47.6	52.8	61.9	57.4	53.2	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	22.6	26.3	21.5	18.1	15.3	20.8	23.2	20.7	18.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.1	0.8	1.0	0.7	0.6	0.9	1.0	0.8	1.3	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.7	2.9	5.7	4.1	3.9	6.2	5.5	6.3	4.8	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	129	96	83	107	91	148	125	73	98	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.7	3.1	3.1	2.8	1.6	2.9	1.6	2.3	2.5	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-05-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-04-06 **Analysis Completion date :- 2026-05-04**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)									
Sampling Date			**2026-04-02**	**2026-04-06**	**2026-04-09**	**2026-04-13**	**2026-04-16**	**2026-04-20**	**2026-04-23**	**2026-04-25**	**2026-04-28**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	7.6	9.3	8.8	6.9	9.2	8.7	11.6	8.4	12.1	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	9.7	11.4	10.4	9.5	10.8	11.3	13.1	10.7	14.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	48.7	50.9	54.2	46.8	53.4	51.7	47.3	52.8	56.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	17.9	18.4	20.3	17.2	21.7	19.1	17.8	19.3	21.5	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.4	1.0	0.9	1.2	0.8	0.6	1.0	0.9	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	3.8	5.9	4.1	2.9	5.8	3.2	5.7	3.6	4.5	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	138	114	84	96	121	69	81	78	141	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.9	1.7	3.2	2.4	1.6	2.1	1.9	3.3	2.6	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:
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Report No.:	VLL/VLS/26-27/05017/001
Issue Date:	2026-06-04
P.O.No:	3402001553
P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-05-04

Analysis Completion date :- 2026-06-03

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)									
Sampling Date			2026-05-01	2026-05-07	2026-05-09	2026-05-13	2026-05-15	2026-05-19	2026-05-21	2026-05-25	2026-05-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	9.3	11.4	7.5	9.1	8.6	10.3	7.4	8.8	7.6	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	7.6	12.5	10.3	11.7	9.1	13.2	9.5	11.2	8.6	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	57.6	43.2	48.7	50.1	54.8	46.2	62.1	56.9	51.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	21.3	14.1	17.6	19.2	20.1	15.9	23.1	20.5	18.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.8	0.5	0.8	1.3	0.9	1.0	1.0	0.7	0.6	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.1	2.7	3.5	4.4	3.9	2.6	4.2	3.6	5.3	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	85	103	91	74	89	124	93	77	112	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.9	4.2	2.7	3.6	1.4	2.7	3.1	2.2	1.6	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/05017/002
KORBA (C.G.)	Issue Date:	2026-06-04
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-05-04 **Analysis Completion date :- 2026-06-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)									
Sampling Date			**2026-05-01**	**2026-05-07**	**2026-05-09**	**2026-05-13**	**2026-05-15**	**2026-05-19**	**2026-05-21**	**2026-05-25**	**2026-05-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.4	7.8	8.1	7.7	6.9	8.3	10.1	7.9	9.2	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.2	9.5	10.9	10.2	8.4	11.6	13.2	8.4	11.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	45.2	48.9	40.6	54.8	51.2	47.6	56.4	53.9	49.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	15.9	17.2	14.8	20.3	18.3	16.9	21.1	19.4	18.5	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	1.2	1.0	1.1	1.0	0.8	0.9	1.2	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.1	5.3	2.9	3.5	5.6	6.8	4.9	5.1	3.8	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	92	128	91	84	79	116	142	87	104	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	1.7	2.1	1.4	1.9	2.4	3.6	2.7	3.3	2.6	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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KORBA (C.G.)	Issue Date:	2026-06-04
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-05-04

Analysis Completion date :- 2026-06-03

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)									
Sampling Date			**2026-05-01**	**2026-05-07**	**2026-05-09**	**2026-05-13**	**2026-05-15**	**2026-05-19**	**2026-05-21**	**2026-05-25**	**2026-05-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.2	11.5	8.3	9.1	7.7	8.5	7.2	9.1	10.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.7	12.9	10.5	11.8	9.3	10.7	9.6	11.4	13.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	48.3	46.2	53.9	57.6	45.4	51.8	56.8	44.2	49.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	17.4	15.2	20.6	21.1	15.9	19.4	21.7	14.8	18.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.0	0.9	1.1	1.3	0.7	0.5	0.9	1.0	1.2	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.6	3.9	4.1	3.2	4.7	4.2	5.1	3.9	4.3	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	135	109	78	91	84	72	89	127	96	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.2	3.7	1.5	1.8	2.1	1.8	3.2	2.8	3.3	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:		
M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/05017/004
KORBA (C.G.)	Issue Date:	2026-06-04
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-05-04

Analysis Completion date :- 2026-06-03

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)									
Sampling Date			2026-05-01	2026-05-07	2026-05-09	2026-05-13	2026-05-15	2026-05-19	2026-05-21	2026-05-25	2026-05-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	8.4	10.2	10.5	9.3	11.4	6.5	8.9	9.3	7.1	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	10.7	11.6	13.2	11.8	13.1	8.7	10.3	11.6	9.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	57.4	43.9	63.2	55.8	52.3	48.1	46.4	52.6	42.5	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	22.6	15.3	24.1	20.7	19.3	16.9	15.6	20.4	14.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.8	1.0	0.7	0.8	1.2	0.8	0.9	1.1	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.8	7.6	3.9	5.2	4.9	4.1	3.9	4.4	3.7	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	93	146	101	85	69	82	131	64	96	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.7	3.1	2.2	1.7	1.4	0.8	3.6	2.5	1.5	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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Report No.:	VLL/VLS/26-27/05017/005
Issue Date:	2026-06-04
P.O.No:	3402001553
P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-05-04

Analysis Completion date :- 2026-06-03

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)									
Sampling Date			**2026-05-01**	**2026-05-07**	**2026-05-09**	**2026-05-13**	**2026-05-15**	**2026-05-19**	**2026-05-21**	**2026-05-25**	**2026-05-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.8	12.1	8.4	9.6	11.3	13.4	9.5	10.2	8.7	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.7	14.2	10.6	11.2	12.9	10.5	11.8	13.2	9.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	63.2	57.4	46.3	50.9	48.8	56.3	52.9	54.1	46.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	25.1	22.6	17.1	19.5	16.9	21.6	19.8	20.7	15.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.9	1.2	0.7	0.6	1.2	1.1	1.0	1.3	0.9	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.8	6.2	3.8	5.1	3.9	4.4	3.6	4.2	4.9	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	89	121	93	114	85	152	131	79	91	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	3.6	4.2	3.8	1.4	2.6	1.8	2.7	3.2	2.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-06-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-05-04 **Analysis Completion date :- 2026-06-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)									
Sampling Date			2026-05-01	2026-05-07	2026-05-09	2026-05-13	2026-05-15	2026-05-19	2026-05-21	2026-05-25	2026-05-27	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.5	11.3	10.1	8.2	11.6	10.5	9.1	7.4	10.8	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.7	12.4	13.2	10.6	12.8	8.3	11.1	9.6	13.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	53.9	45.1	57.4	52.1	49.3	46.5	56.8	58.2	55.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	20.3	16.1	21.7	18.4	16.5	14.9	21.6	23.5	22.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.9	1.1	1.3	1.0	0.8	1.0	0.9	1.0	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	3.6	5.4	3.8	2.5	4.2	5.6	4.8	3.8	4.4	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	72	138	92	117	86	94	69	74	126	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	3.1	2.8	1.4	1.7	3.2	2.7	2.4	1.9	3.3	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-06-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-05-04 **Analysis Completion date :- 2026-06-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)									
Sampling Date			2026-05-01	2026-05-07	2026-05-09	2026-05-13	2026-05-15	2026-05-19	2026-05-21	2026-05-25	2026-05-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	7.4	9.1	12.8	10.5	8.6	11.3	8.6	10.1	9.7	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	9.6	11.4	10.2	12.7	10.8	13.1	9.7	12.4	10.5	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	54.7	63.2	48.9	51.6	45.8	52.6	49.7	44.5	47.3	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	21.8	25.6	17.5	19.2	15.8	20.3	18.1	15.7	17.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.9	1.2	1.0	1.4	0.7	0.9	1.0	1.2	0.6	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.2	5.8	3.9	4.6	5.1	3.7	2.8	4.7	5.3	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	84	129	92	146	61	87	103	118	93	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.7	2.3	1.5	3.4	2.6	1.9	1.1	2.5	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:		
M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/05017/008
KORBA (C.G.)	Issue Date:	2026-06-04
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-05-04

Analysis Completion date :- 2026-06-03

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)									
Sampling Date			**2026-05-01**	**2026-05-07**	**2026-05-09**	**2026-05-13**	**2026-05-15**	**2026-05-19**	**2026-05-21**	**2026-05-25**	**2026-05-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.1	7.5	10.2	8.9	7.6	11.3	9.5	10.7	8.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.5	9.2	12.8	10.1	9.7	8.9	12.6	12.1	10.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	53.5	48.2	63.1	58.7	59.4	52.8	46.2	50.7	61.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	24.6	17.4	25.1	22.9	23.1	20.8	17.5	20.2	22.7	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.0	1.3	0.8	1.0	1.1	0.8	0.7	0.9	0.8	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.7	4.2	4.1	3.6	5.3	3.8	6.3	4.9	5.1	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	68	134	93	87	68	106	124	95	148	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.4	4.2	3.7	5.6	4.7	3.1	2.8	3.6	3.4	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.9	10.9	8.2	10.4	9.4	11.1	8.1	9.8	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.2	13.1	10.6	11.9	11.3	12.6	9.9	11.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	54.8	58.9	51.4	64.2	52.7	48.6	43.1	50.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	17.1	19.4	16.2	21.7	18.3	14.9	13.5	15.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	0.8	0.6	0.9	1.2	1.0	0.9	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.5	3.2	3.9	4.1	4.2	3.4	4.6	3.9	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	90	110	95	81	94	136	100	81	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.4	1.1	3.7	2.7	1.9	1.5	3.9	2.7	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LABORATORY VIMTA REGD. No- DL 33004/99 Sr. No.-5 VIMTA

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	7.7	8.3	9.4	8.9	7.8	9.8	10.2	8.8	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	9.4	10.8	11.6	10.3	9.8	11.2	12.7	10.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	46.4	43.8	54.1	52.9	46.8	44.1	52.1	47.3	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	15.1	12.9	17.6	16.2	14.3	13.6	16.2	14.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.9	0.6	1.0	0.8	0.9	1.1	0.9	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.6	4.9	3.2	3.9	5.9	6.2	5.1	5.4	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	96	132	96	90	83	125	135	93	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.1	1.3	2.4	1.7	3.1	1.5	2.1	2.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.4	8.1	9.6	10.8	8.4	9.7	8.6	10.7	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.9	13.6	11.4	12.1	10.4	9.6	10.4	11.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	56.2	46.9	43.8	52.1	57.6	54.8	48.9	50.2	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	18.9	15.4	13.6	16.2	19.4	17.3	14.3	16.1	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.9	1.0	0.8	1.1	0.9	0.7	1.1	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.1	4.1	4.6	3.6	5.1	4.6	4.8	4.2	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	140	112	82	96	91	82	94	119	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.9	2.8	2.0	2.4	1.8	2.8	3.8	2.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)								
Sampling Date			2026-06-01	2026-06-05	2026-06-09	2026-06-12	2026-06-15	2026-06-18	2026-06-22	2026-06-25	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.5	7.4	8.3	9.3	7.8	7.9	8.1	10.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	10.9	11.3	10.7	11.8	10.4	9.4	9.8	11.6	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	53.1	55.4	48.6	57.1	50.9	47.4	44.9	52.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.4	17.5	13.1	18.7	16.2	15.0	12.7	15.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	1.1	0.9	1.0	0.8	0.7	1.1	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	3.4	6.8	4.2	5.4	5.2	4.5	4.2	4.9	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	98	140	110	92	72	86	140	71	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	1.9	2.1	2.9	1.8	2.4	1.7	2.6	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 3300/99 Sr. No.-5 VIMTA

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	11.2	9.1	9.7	10.3	10.9	11.8	10.6	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.9	10.6	11.4	12.2	11.7	13.9	11.9	10.8	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	59.3	53.7	64.1	57.9	51.7	48.6	50.2	46.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	18.7	16.3	22.1	18.0	16.4	14.8	15.2	13.9	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.7	1.0	0.9	0.6	1.0	0.8	1.1	0.6	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.6	5.9	4	5.6	4.2	4.9	3.9	4.6	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	96	128	95	119	91	138	138	84	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.8	3.7	2.9	1.6	2.3	2.6	1.8	3.4	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.2	8.8	9.2	9.7	10.7	8.8	9.9	8.6	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.1	10.5	12.7	10.8	12.8	13.1	10.9	10.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	56.1	49.4	53.8	50.9	46.4	43.9	48.1	51.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	19.5	14.7	17.1	15.8	13.0	12.5	14.1	16.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.0	0.8	1.1	0.9	0.7	0.9	1.1	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.1	5.8	4.3	3.1	4.6	5.9	5.1	4.1	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	80	128	98	121	93	88	74	80	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.9	1.5	2.1	2.3	1.7	2.1	2.8	1.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/07623/007
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	8.1	10.7	9.4	11.5	9.7	10.4	9.7	8.2	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	10.2	12.1	13.4	12.6	10.7	11.6	11.1	12.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	52.7	56.2	62.1	58.4	49.6	45.3	52.8	47.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	17.6	19.2	22.1	20.6	15.4	13.8	16.3	14.7	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.0	0.7	0.9	1.1	0.8	0.9	1.1	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.8	5.2	4.1	4.9	5.3	4.1	3.1	4.9	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	90	135	94	136	71	96	112	124	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.4	1.7	3.4	2.8	1.5	2.0	2.3	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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Manager - Environment

ENVIRONMENT LABORATORY VIMTA VIMTA LABS REGD. No- DL 33004/99 Sr. No.-5 VIMTA

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-07-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-06-04 **Analysis Completion date :- 2026-07-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)								
Sampling Date			**2026-06-01**	**2026-06-05**	**2026-06-09**	**2026-06-12**	**2026-06-15**	**2026-06-18**	**2026-06-22**	**2026-06-25**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	10.6	8.5	7.1	9.4	8.8	9.3	10.8	8.5	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	11.4	10.7	12.9	11.3	10.3	12.7	11.7	12.7	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	45.2	53.9	50.4	48.7	44.1	56.2	47.3	52.5	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	13.8	18.5	16.0	15.1	12.7	19.2	14.9	17.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.8	1.1	0.9	1.2	1.0	0.9	0.7	1.3	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.9	4.6	4.5	4.1	5.6	4.2	6.5	5.2	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	73	138	96	94	74	119	130	99	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.1	2.3	1.9	3.5	2.4	1.7	1.3	2.4	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/10232/001
KORBA (C.G.)	Issue Date:	2026-08-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-07-06

Analysis Completion date :- 2026-08-05

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)									
Sampling Date			**2026-07-01**	**2026-07-04**	**2026-07-08**	**2026-07-10**	**2026-07-14**	**2026-07-16**	**2026-07-20**	**2026-07-22**	**2026-07-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.2	11.3	9.1	9.9	10.2	11.4	8.6	9.9	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.8	13.5	11.4	11.6	12.1	13.4	10.1	11.3	11.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	45.3	46.2	43.9	50.8	50.4	42.8	47.5	49.2	48.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	14.5	19.8	12.1	17.0	18.9	13.2	15.4	16.2	18.1	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.1	1.0	1.3	1.6	1.2	1.6	1.7	1.2	1.6	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.1	4.8	6.3	4.4	5.8	6.1	2.8	6.2	5.7	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	91	98	110	87	112	137	77	89	120	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.8	5.1	4.1	3.2	2.4	2.2	4.2	3.6	3.4	IS 5182 (PART-9) RA 2019

- PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.
- C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-08-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-07-06

Analysis Completion date :- 2026-08-05

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)									
Sampling Date			**2026-07-01**	**2026-07-04**	**2026-07-08**	**2026-07-10**	**2026-07-14**	**2026-07-16**	**2026-07-20**	**2026-07-22**	**2026-07-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	8.3	8.9	9.9	10.1	8.4	9.6	10.8	8.9	8.1	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	10.1	10.2	11.9	11.8	10.6	11.3	11.9	10.8	10.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	37.4	46.9	42.9	45.7	51.3	48.2	40.5	43.9	54.8	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	11.6	17.3	13.5	16.3	20.2	18.5	14.1	16.7	21.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.5	1.1	1.0	1.3	1.6	1.3	1.5	1.8	1.9	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.9	5.1	4.6	4.2	6.2	7.1	6.3	4.8	5.6	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	110	153	106	98	85	139	145	112	108	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.6	2.3	2.7	2.4	3.8	2.3	3.1	3.8	3.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-08-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-07-06 **Analysis Completion date :- 2026-08-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)									
Sampling Date			2026-07-01	2026-07-04	2026-07-08	2026-07-10	2026-07-14	2026-07-16	2026-07-20	2026-07-22	2026-07-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	11.1	9.2	10.2	11.2	8.8	10.3	9.3	9.6	8.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.7	11.6	12.5	12.8	10.1	11.5	11.4	10.8	10.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	47.8	48.8	45.1	46.9	47.3	42.4	38.6	48.3	43.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	17.3	19.5	16.8	16.5	20.2	15.0	11.9	17.1	14.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.2	1.3	0.7	1.1	0.9	1.1	0.9	1.2	2.1	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	6.2	4.6	5.3	4.2	5.9	6.4	5.3	4.8	5.4	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	120	112	96	137	98	97	106	125	83	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.3	2.5	2.6	2.8	2.3	3.1	4.1	3.1	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-08-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-07-06 **Analysis Completion date :- 2026-08-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)									
Sampling Date			**2026-07-01**	**2026-07-04**	**2026-07-08**	**2026-07-10**	**2026-07-14**	**2026-07-16**	**2026-07-20**	**2026-07-22**	**2026-07-27**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.9	8.5	9.2	10.2	8.6	8.4	8.6	10.6	8.1	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.5	9.9	10.6	12.3	11.7	9.7	10.2	11.3	10.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	47.9	44.2	48.8	49.9	46.4	40.9	48.1	41.5	45.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.7	14.8	19.4	17.2	16.1	12.4	18.3	13.6	15.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.6	0.9	0.8	1.2	0.7	1.1	1.2	1.4	1.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.2	7.1	4.9	6.1	5.9	6.4	6.8	5.6	4.7	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	104	123	82	110	79	95	117	89	92	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.7	2.8	3.2	2.3	3.1	2.8	3.8	4.1	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

Dr. Subba Reddy Mallampati
Manager - Environment

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ISSUED TO:		
M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/10232/005
KORBA (C.G.)	Issue Date:	2026-08-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-07-06 **Analysis Completion date :- 2026-08-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)									
Sampling Date			2026-07-01	2026-07-04	2026-07-08	2026-07-10	2026-07-14	2026-07-16	2026-07-20	2026-07-22	2026-07-27	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	10.9	10.1	8.3	9.8	10.2	11.6	9.1	8.4	11.3	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	13.1	12.4	10.9	11.4	12.6	13.4	11.3	10.5	13.5	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	46.9	47.1	48.3	45.7	42.8	46.6	48.1	47.4	50.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	13.8	19.2	16.7	15.1	12.8	16.8	20.7	16.2	18.5	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.4	1.8	1.2	1.1	1.0	1.3	1.8	1.1	2.8	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.2	6.6	4.6	6.4	5.2	4.5	5.8	6.1	4.9	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	110	132	89	127	95	78	125	107	91	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.6	3.9	3.1	2.4	3.1	3.2	2.4	4.6	3.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-08-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-07-06

Analysis Completion date :- 2026-08-05

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)									
Sampling Date			2026-07-01	2026-07-04	2026-07-08	2026-07-10	2026-07-14	2026-07-16	2026-07-20	2026-07-22	2026-07-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	11.6	9.6	10.3	10.8	11.2	9.4	10.6	8.9	9.6	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.9	11.4	11.6	12.1	12.7	10.8	11.5	10.7	11.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	47.4	48.2	42.9	40.1	46.7	46.5	49.3	45.8	48.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	14.9	19.3	15.7	13.2	16.9	19.3	17.4	15.8	16.7	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.1	1.2	1.5	0.7	0.9	1.9	0.8	1.6	1.9	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.8	6.7	5.1	3.8	5.4	6.3	4.9	5.2	4.1	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	97	137	140	122	94	98	89	96	127	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.3	2.4	2.9	3.1	2.4	2.8	3.5	2.4	2.8	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/10232/007
KORBA (C.G.)	Issue Date:	2026-08-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-07-06 **Analysis Completion date :- 2026-08-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)									
Sampling Date			2026-07-01	2026-07-04	2026-07-08	2026-07-10	2026-07-14	2026-07-16	2026-07-20	2026-07-22	2026-07-27	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	8.8	11.1	10.4	10.9	10.5	10.9	10.5	9.4	10.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	9.9	13.4	12.7	12.8	11.2	12.7	11.8	11.4	13.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	48.8	46.5	50.7	42.1	40.9	48.3	44.6	47.2	48.8	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	19.3	15.7	18.2	14.3	12.9	17.3	15.7	16.9	20.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.9	1.4	1.4	0.9	1.1	1.6	1.4	1.3	1.3	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.3	6.5	5.1	6.3	5.7	4.9	4.2	5.7	6.2	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	93	154	102	87	68	91	124	85	75	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.2	2.2	3.8	3.2	2.0	2.4	3.1	4.1	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.
Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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	Issue Date:	2026-08-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-07-06 **Analysis Completion date :- 2026-08-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)									
Sampling Date			2026-07-01	2026-07-04	2026-07-08	2026-07-10	2026-07-14	2026-07-16	2026-07-20	2026-07-22	2026-07-27	Method
Sulphur Dioxide as SO_2	µg/m³	80	11.2	9.7	8.4	10.5	8.6	10.2	11.1	9.1	10.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	13.4	11.3	10.7	12.9	10.4	13.2	12.8	12.3	11.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	37.2	45.1	48.6	47.8	45.4	49.3	36.9	44.7	49.2	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	11.8	16.3	18.5	17.2	14.9	17.4	13.1	15.9	19.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.8	0.7	0.9	1.3	1.3	1.6	1.4	0.8	1.2	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.1	6.3	5.6	4.9	3.7	4.9	5.6	5.1	6.6	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	89	145	130	106	87	92	118	83	90	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.8	2.7	2.8	3.9	2.9	2.4	2.6	3.2	2.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	11.2	9.9	9.2	9.2	11.3	10.4	8.4	8.9	8.2	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.9	12.3	10.9	10.8	12.8	12.5	10.6	11.1	10.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	47.8	42.1	44.8	53.2	37.6	51.9	46.1	35.3	54.8	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	15.7	13.5	14.4	17.6	12.1	17.0	15.3	13.8	18.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	0.8	0.9	1.0	1.1	0.7	0.8	1.2	0.8	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.7	3.9	5.1	5.8	6.7	4.5	6.5	6.1	5.6	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	91	98	110	96	112	124	134	96	120	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.9	2.2	1.6	3.5	2.7	3.1	2.3	2.9	2.0	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No- DL 33004/99 Sr. No.-5 VIMTA

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	9.6	8.3	8.8	9.4	9.1	9.5	9.2	8.6	8.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	11.7	10.6	10.5	11.4	11.1	11.5	11.6	10.9	9.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	42.5	39.6	37.4	45.4	48.7	40.2	36.4	47.2	43.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	13.9	12.6	11.8	14.9	16.0	13.5	12.0	15.5	14.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.2	0.7	1.2	1.6	1.3	0.9	1.1	0.8	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.1	5.7	4.9	5.2	5.8	6.2	6.8	5.6	5.9	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	110	63	106	98	95	139	84	112	108	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.9	1.3	2.7	2.9	2.3	2.7	3.2	2.5	1.8	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/13104/003
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.7	8.7	9.6	10.4	9.4	9.4	9.1	9.6	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.8	10.6	11.9	12.4	11.4	11.3	10.5	11.6	11.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	53.1	38.7	43.9	47.4	36.5	41.8	52.8	46.4	42.9	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	17.4	12.7	14.5	15.5	12.1	13.7	17.6	15.2	14.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.6	1.2	0.8	1.3	0.9	1.0	1.3	0.8	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	5.4	4.1	5.6	6.2	6.5	5.9	6.1	4.3	5.7	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	120	134	96	142	98	97	106	121	130	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	3.1	2.8	3.2	4.1	3.1	2.9	3.8	3.7	3.4	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	10.2	9.1	8.3	9.5	8.4	8.1	8.5	8.7	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.2	10.4	10.2	11.2	10.5	10.1	10.4	10.7	9.9	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	45.7	40.8	47.2	53.9	41.6	44.1	39.2	43.8	49.5	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	15.0	13.4	15.2	17.7	13.2	14.5	12.4	14.6	16.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.3	0.7	0.9	1.4	1.2	0.7	1.5	1.1	0.8	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.5	6.7	4.1	6.3	5.6	6.6	5.3	5.9	6.0	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	104	91	128	110	83	97	117	89	76	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.6	3.4	2.7	3.2	3.6	1.7	2.2	3.5	3.6	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	9.9	9.7	9.6	9.1	9.2	10.3	10.2	8.7	9.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.6	11.3	11.8	10.7	11.4	12.5	12.2	10.7	11.8	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	46.4	52.8	49.5	45.3	38.2	43.7	50.8	36.9	47.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	15.2	17.5	16.1	15.3	12.5	14.4	16.7	12.1	15.8	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.2	0.9	1.4	0.8	1.5	0.6	0.8	0.9	1.1	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.6	5.7	5.2	6.7	5.8	4.7	5.2	6.3	4.2	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	110	73	89	120	115	145	68	102	94	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.4	2.2	2.7	1.4	2.6	2.9	2.3	1.5	2.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)									
Sampling Date			2026-08-01	2026-08-06	2026-08-08	2026-08-12	2026-08-14	2026-08-18	2026-08-20	2026-08-24	2026-08-26	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.9	9.5	9.6	8.7	10.3	9.3	8.9	8.6	9.8	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.7	11.8	11.7	10.9	11.3	10.7	11.1	9.8	12.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	45.7	42.9	46.3	40.8	37.7	41.4	48.6	45.4	49.2	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	15.0	13.8	15.2	13.4	12.6	13.7	16.0	14.7	16.5	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.3	0.9	1.6	1.1	0.7	1.4	1.2	1.0	0.8	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.2	6.1	6.7	5.6	5.4	6.1	6.3	4.8	5.9	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	97	137	110	82	135	98	129	96	120	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	1.7	2.5	2.0	2.8	1.8	3.4	1.1	2.9	1.5	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)									
Sampling Date			2026-08-01	2026-08-06	2026-08-08	2026-08-12	2026-08-14	2026-08-18	2026-08-20	2026-08-24	2026-08-26	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	9.4	10.3	9.6	9.6	8.9	9.7	9.8	9.1	9.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	11.4	12.6	11.5	11.2	10.8	11.8	12.1	11.2	12.4	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	47.6	44.9	46.1	50.9	43.7	41.4	48.6	37.5	52.1	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	15.6	13.9	15.1	16.8	14.3	13.3	16.2	12.1	17.5	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.2	0.8	0.7	1.3	0.8	1.1	0.6	0.8	1.0	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.8	6.9	6.4	5.9	6.1	4.8	5.6	6.7	6.3	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	103	74	102	124	88	118	104	134	92	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	2.1	1.5	2.4	1.7	2.0	2.8	1.9	2.3	1.6	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-09-04
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-08-03 **Analysis Completion date :- 2026-09-03**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)									
Sampling Date			**2026-08-01**	**2026-08-06**	**2026-08-08**	**2026-08-12**	**2026-08-14**	**2026-08-18**	**2026-08-20**	**2026-08-24**	**2026-08-26**	**Method**
Sulphur Dioxide as SO_2	µg/m³	80	10.6	9.9	10.4	8.8	8.7	9.6	10.6	8.8	9.3	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.8	11.9	12.6	10.4	10.9	11.6	12.7	10.6	11.5	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	38.7	43.8	48.6	42.9	53.1	47.7	36.9	44.5	51.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	12.7	14.7	16.1	14.4	17.2	15.6	12.3	14.6	17.0	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.4	0.6	1.3	0.9	1.2	0.7	1.0	0.8	1.1	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	4.9	6.3	5.9	5.4	7.3	5.6	5.7	4.9	5.1	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	89	145	130	106	89	110	138	83	90	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	1.5	2.0	2.3	1.8	2.4	2.9	2.4	1.3	1.7	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/15382/001
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA 1)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET - (CHOTIA 1)									
Sampling Date			2026-09-03	2026-09-05	2026-09-09	2026-09-11	2026-09-15	2026-09-17	2026-09-21	2026-09-23	2026-09-28	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.8	9.6	9.7	10.3	10.9	10.8	8.6	9.2	8.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.3	10.9	11.1	11.7	12.4	11.9	10.2	10.5	10.6	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	46.4	43.2	37.9	41.6	45.3	47.1	39.5	42.9	40.8	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	17.2	15.7	12.5	14.6	16.3	18.1	13.9	15.0	14.6	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.6	0.8	0.8	0.9	1.0	0.9	0.7	0.9	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.5	4.1	4.6	5.3	5.9	4.7	5.9	5.4	5.1	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	85	100	98	86	107	101	120	91	103	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.7	3.4	3.1	2.9	3.2	2.9	3.2	3.4	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT DHANSAR CAMP (CHOTIA - 1)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Dhansar Camp (Chotia - 1)									
Sampling Date			**2026-09-03**	**2026-09-05**	**2026-09-09**	**2026-09-11**	**2026-09-15**	**2026-09-17**	**2026-09-21**	**2026-09-23**	**2026-09-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.1	9.4	9.3	9.6	9.8	9.7	9.9	9.4	8.9	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.4	10.9	10.8	11.1	11.4	11.3	11.2	10.6	10.3	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	38.4	42.7	47.9	35.2	52.1	45.8	40.6	44.9	54.5	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	12.4	14.7	16.9	12.4	18.3	16.1	13.8	15.6	19.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.1	0.8	0.9	1.3	0.9	0.8	0.9	1.1	0.9	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.6	5.1	4.5	5.7	5.2	5.7	6.1	5.9	6.2	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	98	71	96	84	78	110	79	102	98	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.8	2.9	3.2	2.7	3.2	3.4	2.9	3.1	2.8	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Guest House (Chotia - 1)									
Sampling Date			**2026-09-03**	**2026-09-05**	**2026-09-09**	**2026-09-11**	**2026-09-15**	**2026-09-17**	**2026-09-21**	**2026-09-23**	**2026-09-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.3	9.4	9.8	10.9	8.9	9.8	9.4	10.4	9.2	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.3	10.8	11.3	10.9	10.2	11.3	11.2	12.1	11.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	43.2	35.6	40.8	47.5	42.1	53.9	41.7	47.8	51.6	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	15.1	12.7	14.3	16.8	14.6	19.2	14.5	17.1	18.2	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	0.8	1.0	0.9	1.1	0.6	0.9	1.1	0.9	0.8	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.2	3.8	5.1	5.8	6.1	5.4	5.7	4.8	5.2	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	110	108	115	122	91	90	96	108	112	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.9	3.1	3.4	3.5	2.8	2.7	3.1	2.8	3.2	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -1)

Analysis starting date :- 2026-09-07

Analysis Completion date :- 2026-10-05

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 1)									
Sampling Date			2026-09-03	2026-09-05	2026-09-09	2026-09-11	2026-09-15	2026-09-17	2026-09-21	2026-09-23	2026-09-28	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.6	9.1	8.6	9.8	8.9	8.4	8.7	9.3	9.5	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.1	10.6	10.1	11.4	10.3	10.6	10.1	10.8	11.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	47.3	46.1	37.4	42.6	45.8	56.9	48.7	41.5	53.6	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.6	15.8	12.7	14.9	16.1	20.5	17.1	14.5	19.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.1	0.9	0.8	1.2	0.9	0.6	0.9	0.8	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.1	5.9	3.6	5.8	4.8	5.3	4.2	5.3	5.5	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	98	96	109	114	101	94	105	90	80	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.9	3.1	3.4	2.9	3.2	3.3	3.6	3.1	2.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:
M/s. Bharat Aluminium Company Limited,
KORBA (C.G.)

Report No.:	VLL/VLS/26-27/15382/005
Issue Date:	2026-10-05
P.O.No:	3402001553
P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2026-09-07

Analysis Completion date :- 2026-10-05

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Bhujang Village - (CHOTIA 2)									
Sampling Date			2026-09-03	2026-09-05	2026-09-09	2026-09-11	2026-09-15	2026-09-17	2026-09-21	2026-09-23	2026-09-28	Method
ulphur Dioxide as SO_2	µg/m³	80	10.5	10.2	9.7	9.5	9.8	10.8	10.6	9.2	9.9	IS 5182 (PART-2) RA 2017
)xides of Nitrogen as IO_2	µg/m³	80	12.2	11.8	11.3	11.1	11.4	12.5	12.3	10.7	11.5	IS 5182 (PART-6) RA 2017
'articulate Matter PM10)	µg/m³	100	49.6	54.2	37.8	43.2	50.1	38.6	56.9	52.7	42.5	IS 5182 (PART-23) RA 2017
articulate Matter PM2.5)	µg/m³	60	17.2	19.5	13.1	15.4	17.2	13.6	20.5	18.6	14.8	IS 5182 (PART-24) 2019
,mmonia as NH_3	µg/m³	400	1.0	0.8	1.2	0.7	0.9	0.8	0.9	1.1	0.9	APHA 3rd Edition - 401
enzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
enzo(a) Pyrene in articulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
rsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
ickel as Ni	ng/m³	20	5.2	5.1	4.8	6.4	5.2	5.3	5.6	5.9	5.7	USEPA IO 3.4
ead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
arbon Monoxide as O	µg/m³	2000	103	68	76	96	101	123	78	97	78	IS 5182 (PART-10) RA 2019
zone as O_3	µg/m³	100	3.1	2.7	2.9	3.3	3.1	2.7	3.2	3.1	2.9	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:	Report No.:	VLL/VLS/26-27/15382/006
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT D G SET (CHOTIA - 2)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH_3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : D G SET (Chotia - 2)									
Sampling Date			2026-09-03	2026-09-05	2026-09-09	2026-09-11	2026-09-15	2026-09-17	2026-09-21	2026-09-23	2026-09-28	Method
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	10.5	9.8	10.2	9.2	10.9	9.4	9.5	9.2	10.4	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	12.4	11.6	12.1	10.7	12.5	11.1	11.2	10.6	12.1	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	37.5	44.2	47.8	39.1	52.6	45.3	48.9	34.8	45.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	13.5	15.6	17.4	14.2	19.5	14.6	18.2	12.7	16.4	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.1	0.8	1.4	1.2	0.8	1.2	0.9	0.6	0.9	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.6	5.8	5.4	4.9	5.1	5.9	5.7	4.9	5.2	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	87	112	106	77	118	89	110	83	102	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	2.9	3.1	2.8	3.2	3.1	2.9	3.3	2.7	3.1	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LABORATORY Vimta REGD. No. Sr. No.-5 VIMTA

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ISSUED TO:		
M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/26-27/15382/007
KORBA (C.G.)	Issue Date:	2026-10-05
	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT GOVT SOLAR PANEL (CHOTIA -2)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Govt. Solar Panel (Chotia - 2)									
Sampling Date			**2026-09-03**	**2026-09-05**	**2026-09-09**	**2026-09-11**	**2026-09-15**	**2026-09-17**	**2026-09-21**	**2026-09-23**	**2026-09-28**	**Method**
Sulphur Dioxide as SO_2	$\mu g/m^3$	80	9.6	11.2	9.8	10.2	9.4	10.5	10.1	9.6	10.6	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	$\mu g/m^3$	80	11.1	12.9	11.3	11.7	10.9	11.9	11.6	11.3	12.2	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	$\mu g/m^3$	100	47.3	45.9	54.2	44.8	37.1	48.6	43.2	50.9	46.4	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	$\mu g/m^3$	60	16.5	15.8	19.1	13.9	11.8	17.1	14.8	18.2	16.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	$\mu g/m^3$	400	1.1	0.7	1.1	1.0	0.6	0.9	0.8	0.7	0.9	APHA 3rd Edition - 401
Benzene as C_6H_6	$\mu g/m^3$	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m^3	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m^3	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m^3	20	4.3	5.8	5.6	5.1	5.9	5.2	5.2	6.3	5.9	USEPA IO 3.4
Lead as Pb	$\mu g/m^3$	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	$\mu g/m^3$	2000	110	82	109	112	93	104	120	105	85	IS 5182 (PART-10) RA 2019
Ozone as O_3	$\mu g/m^3$	100	3.1	3.2	2.1	2.9	2.7	2.6	3.1	3.5	1.8	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

ENVIRONMENT LABORATORY VIMTA REGD. No- DL 33004/99 Sr. No.-5

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ISSUED TO:	Report No.:	VLL/VLS/26-27/15382/008
M/s. Bharat Aluminium Company Limited,	Issue Date:	2026-10-05
KORBA (C.G.)	P.O.No:	3402001553
	P.O. Date:	2025-10-01

AMBIENT AIR QUALITY MONITORING AT WEIGH BRIDGE (CHOTIA -2)

Analysis starting date :- 2026-09-07 **Analysis Completion date :- 2026-10-05**

Tests required: Sulphur Dioxide (SO_2), Nitrogen Dioxide (NOx), Particulate Matter (PM10), Particulate Matter (PM2.5), Ammonia (NH3), Benzene (C_6H_6), Benzo (a) Pyrene in particulate phase, Heavy metals in particulate phase for Arsenic, Nickel & Lead.

TEST RESULTS

Parameters	Units	Limits	AAQ Location : Weigh Bridge (Chotia - 2)									
Sampling Date			2026-09-03	2026-09-05	2026-09-09	2026-09-11	2026-09-15	2026-09-17	2026-09-21	2026-09-23	2026-09-28	Method
Sulphur Dioxide as SO_2	µg/m³	80	11.0	10.4	10.9	9.2	9.1	10.2	10.9	9.3	9.6	IS 5182 (PART-2) RA 2017
Oxides of Nitrogen as NO_2	µg/m³	80	12.3	11.6	12.1	10.3	10.2	11.4	12.2	10.4	10.8	IS 5182 (PART-6) RA 2017
Particulate Matter (PM10)	µg/m³	100	38.5	44.9	49.4	45.1	53.8	46.5	37.2	48.6	43.7	IS 5182 (PART-23) RA 2017
Particulate Matter (PM2.5)	µg/m³	60	13.4	16.2	17.4	15.7	19.2	16.2	13.1	17.5	15.3	IS 5182 (PART-24) 2019
Ammonia as NH_3	µg/m³	400	1.2	0.6	1.1	1.2	0.9	0.8	0.7	0.9	0.7	APHA 3rd Edition - 401
Benzene as C_6H_6	µg/m³	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	IS 5182 (PART-11) RA 2017
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	IS 5182 (PART-12) RA 2019
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	USEPA IO 3.4
Nickel as Ni	ng/m³	20	5.6	5.2	4.7	4.9	6.2	5.9	6.1	4.2	4.8	USEPA IO 3.4
Lead as Pb	µg/m³	1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	USEPA IO 3.4
Carbon Monoxide as CO	µg/m³	2000	76	124	110	94	79	93	103	89	74	IS 5182 (PART-10) RA 2019
Ozone as O_3	µg/m³	100	3.1	2.7	2.9	3.1	3.1	3.4	3.5	2.9	3.4	IS 5182 (PART-9) RA 2019

Ø PM2.5, PM10, SO_2, NO_2 and NH_3 is monitored on 24 hrs. Basis &CO, O_3 is monitored on 8 hrs basis.

Ø C_6H_6, B (a) P & Heavy Metals (As, Ni, Pb) is monitored on 24 hrs basis.

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
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KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/02504/001**
Issued Date	:	**2026-05-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-04-12	Sampling Date	:	2026-04-04
Analysis Starting Date	:	2026-04-12	Analysis Completion Date	:	2026-04-28
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	7.28	6.98	7.43	7.36	7.15
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	<1.0	1.7	1.8	1.2	1.1
6	Total dissolved solids at 180°C	mg/l	500(2000)	106	148	135	121	110
7	Total Hardness as $CaCO_3$	mg/l	200(600)	49	72	65	62	55
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	30	45	40	42	40
9	Calcium as Ca	mg/l	75(200)	12.6	18.2	16.8	14.2	13.5
10	Magnesium as Mg	mg/l	30(100)	4.3	6.5	5.7	6.4	5.2
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.01	0.017	0.023	0.015
13	Chlorides as Cl	mg/l	250(1000)	32.2	44.8	42.5	34.3	29.3
14	Sulphates as SO_4	mg/l	200(400)	6.8	8.5	7.6	5.3	4.8
15	Fluorides as F	mg/l	1.0(1.5)	0.121	0.143	0.117	0.153	0.136
16	Nitrates as NO_3	mg/l	45(NR)	3.10	2.90	1.60	1.40	2.10
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

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M/s. Bharat Aluminum Company Limited,
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KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/02504/001**
Issued Date	:	**2026-05-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-04-12	Sampling Date	:	2026-04-04
Analysis Starting Date	:	2026-04-12	Analysis Completion Date	:	2026-04-28
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.018	0.026	0.034	0.028	0.011
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	0.009	0.021	0.017	0.025	0.016
32	Aluminum as Al	mg/l	0.03(0.2)	0.01	0.013	0.021	0.016	0.021
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.015	0.019	0.014	0.045	0.013
38	Silver as Ag	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORIES LIMITED VIMTA LABS REGD. No- DL 330 SR. NO.-5

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
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KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/02504/001**
Issued Date	:	**2026-05-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-04-12	Sampling Date	:	2026-04-04
Analysis Starting Date	:	2026-04-12	Analysis Completion Date	:	2026-04-28
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

VIMTA LABS REGD. No- DL 330

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/02504/001**
Issued Date	:	**2026-05-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-04-12	Sampling Date	:	2026-04-04
Analysis Starting Date	:	2026-04-12	Analysis Completion Date	:	2026-04-28
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS LTD. RECO. No- DL 33004/99 Sr. No.-5 VIMTA

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/05017/001**
Issued Date	:	**2026-06-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-05-11	Sampling Date	:	2026-05-05
Analysis Starting Date	:	2026-05-11	Analysis Completion Date	:	2026-05-29
Test Required	:	Water Analysis as per IS 10500: 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	7.28	6.91	7.32	7.24	7.18
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	1.0	1.4	1.6	1.1	1.0
6	Total dissolved solids at 180°C	mg/l	500(2000)	100	182	145	110	120
7	Total Hardness as $CaCO_3$	mg/l	200(600)	45	88	70	56	62
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	30	60	45	40	45
9	Calcium as Ca	mg/l	75(200)	11.5	21.5	17.4	13.2	14.6
10	Magnesium as Mg	mg/l	30(100)	3.9	8.4	6.3	5.6	6.1
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.011	0.018	0.014	0.013
13	Chlorides as Cl	mg/l	250(1000)	29.7	53.3	45.2	29.6	30.7
14	Sulphates as SO_4	mg/l	200(400)	5.30	7.30	6.50	4.90	5.10
15	Fluorides as F	mg/l	1.0(1.5)	0.121	0.131	0.128	0.146	0.119
16	Nitrates as NO_3	mg/l	45(NR)	3.10	3.70	1.80	1.10	2.40
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/05017/001**
Issued Date	:	**2026-06-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-05-11	Sampling Date	:	2026-05-05
Analysis Starting Date	:	2026-05-11	Analysis Completion Date	:	2026-05-29
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.013	0.023	0.026	0.034	0.010
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	0.010	0.015	0.021	0.013	0.014
32	Aluminum as Al	mg/l	0.03(0.2)	<0.01	0.012	0.025	0.019	0.017
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.014	0.017	0.011	0.032	0.015
38	Silver as Ag	mg/l	0.1(NR)	<0.005	<0.005	<0.005	<0.005	<0.005

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

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ISSUED TO:

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KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/05017/001**
Issued Date	:	**2026-06-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-05-11	Sampling Date	:	2026-05-05
Analysis Starting Date	:	2026-05-11	Analysis Completion Date	:	2026-05-29
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

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Report Number	:	**VLL/VLS/26-27/05017/001**
Issued Date	:	**2026-06-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-05-11	Sampling Date	:	2026-05-05
Analysis Starting Date	:	2026-05-11	Analysis Completion Date	:	2026-05-29
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

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Report Number	:	**VLL/VLS/26-27/07623/001**
Issued Date	:	**2026-07-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-06-10	Sampling Date	:	2026-06-04
Analysis Starting Date	:	2026-06-10	Analysis Completion Date	:	2026-06-25
Test Required	:	Water Analysis as per IS 10500: 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	7.16	6.98	7.23	7.19	7.26
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	<0.1	1.7	1.4	1.2	1.1
6	Total dissolved solids at 180°C	mg/l	500(2000)	93	163	121	90	104
7	Total Hardness as $CaCO_3$	mg/l	200(600)	43	80	60	50	54
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	25	55	40	35	40
9	Calcium as Ca	mg/l	75(200)	10.5	19.4	14.5	12.6	13.0
10	Magnesium as Mg	mg/l	30(100)	4.1	7.6	5.2	4.3	5.1
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.009	0.015	0.024	0.017
13	Chlorides as Cl	mg/l	250(1000)	28.6	48.8	37.4	23.3	25.3
14	Sulphates as SO_4	mg/l	200(400)	6.70	5.60	4.30	3.60	4.20
15	Fluorides as F	mg/l	1.0(1.5)	0.098	0.110	0.210	0.174	0.153
16	Nitrates as NO_3	mg/l	45(NR)	2.90	2.10	1.60	1.50	2.70
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

Vimta Labs REGD. No- TL 3300/99 Sr. No.-6 ENVIRONMENTAL LABORATORY VIMTA

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Chhattisgarh

Report Number	:	**VLL/VLS/26-27/07623/001**
Issued Date	:	**2026-07-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-06-10	Sampling Date	:	2026-06-04
Analysis Starting Date	:	2026-06-10	Analysis Completion Date	:	2026-06-25
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.016	0.065	0.054	0.028	0.023
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	0.015	0.018	0.016	0.010	0.017
32	Aluminum as Al	mg/l	0.03(0.2)	<0.005	0.021	0.019	0.022	0.024
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.018	0.021	0.028	0.016	0.023
38	Silver as Ag	mg/l	0.1(NR)	<0.005	<0.005	<0.005	<0.005	<0.005

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No- DL 33004/99

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Report Number	:	**VLL/VLS/26-27/07623/001**
Issued Date	:	**2026-07-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-06-10	Sampling Date	:	2026-06-04
Analysis Starting Date	:	2026-06-10	Analysis Completion Date	:	2026-06-25
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENTAL TESTING LABORATORY Vimta REGD. No. Sr. No.-5

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/07623/001**
Issued Date	:	**2026-07-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-06-10	Sampling Date	:	2026-06-04
Analysis Starting Date	:	2026-06-10	Analysis Completion Date	:	2026-06-25
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No- DL 3300/99 Sr. No.-5

Dr. Subba Reddy Mallampati
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ISSUED TO:

M/s. Bharat Aluminum Company Limited,	**Report Number**	:	**VLL/VLS/26-27/10232/001**
BALCO	**Issued Date**	:	**2026-08-05**
KORBA	**P.O. No.**	:	**3402001553**
Chhattisgarh	**P.O. Date**	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-07-13	Sampling Date	:	2026-07-06
Analysis Starting Date	:	2026-07-13	Analysis Completion Date	:	2026-07-28
Test Required	:	Water Analysis as per IS 10500: 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	6.98	7.12	7.34	7.23	7.31
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	<0.1	1.5	1.2	1.1	<0.1
6	Total dissolved solids at 180°C	mg/l	500(2000)	90	150	115	89	102
7	Total Hardness as $CaCO_3$	mg/l	200(600)	40	73	53	42	48
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	30	50	45	35	40
9	Calcium as Ca	mg/l	75(200)	9.8	18.5	13.2	11.5	12.4
10	Magnesium as Mg	mg/l	30(100)	3.6	6.4	4.8	3.2	4.1
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.01	0.017	0.021	0.013
13	Chlorides as Cl	mg/l	250(1000)	23.8	42.5	27.8	19.5	23.2
14	Sulphates as SO_4	mg/l	200(400)	5.60	7.80	4.70	3.80	4.10
15	Fluorides as F	mg/l	1.0(1.5)	0.106	0.125	0.178	0.164	0.138
16	Nitrates as NO_3	mg/l	45(NR)	1.90	2.70	1.20	2.80	2.60
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No- DL 33004/99 Sr. No.-5 VIMTA

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/10232/001**
Issued Date	:	**2026-08-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-07-13	Sampling Date	:	2026-07-06
Analysis Starting Date	:	2026-07-13	Analysis Completion Date	:	2026-07-28
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.019	0.056	0.048	0.036	0.021
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	<0.005	0.018	0.016	0.01	0.017
32	Aluminum as Al	mg/l	0.03(0.2)	<0.005	0.017	0.012	0.028	0.014
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.015	0.024	0.014	0.018	0.021
38	Silver as Ag	mg/l	0.1(NR)	<0.005	<0.005	<0.005	<0.005	<0.005

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REG. No. DL-33004/99 Sr. No. 5

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/10232/001**
Issued Date	:	**2026-08-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-07-13	Sampling Date	:	2026-07-06
Analysis Starting Date	:	2026-07-13	Analysis Completion Date	:	2026-07-28
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

ENVIRONMENT LABORATORY
VIMTA LABS
REGD. No- DL 33004/99
Sr. No.-5
VIMTA

Name and Designation of Authorized Signatory
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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/10232/001**
Issued Date	:	**2026-08-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-07-13	Sampling Date	:	2026-07-06
Analysis Starting Date	:	2026-07-13	Analysis Completion Date	:	2026-07-28
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No. DL 3300/89 Sr. No.-5 VIMTA

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
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Chhattisgarh

Report Number	:	**VLL/VLS/26-27/13104/001**
Issued Date	:	**2026-09-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-08-11	Sampling Date	:	2026-08-05
Analysis Starting Date	:	2026-08-12	Analysis Completion Date	:	2026-08-26
Test Required	:	Water Analysis as per IS 10500: 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	7.12	6.87	7.19	7.17	7.25
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	<0.1	1.7	1.4	1.2	<0.1
6	Total dissolved solids at 180°C	mg/l	500(2000)	98	130	110	95	115
7	Total Hardness as $CaCO_3$	mg/l	200(600)	44	62	50	43	53
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	35	45	37	40	45
9	Calcium as Ca	mg/l	75(200)	10.5	16.4	12.7	11.8	13.2
10	Magnesium as Mg	mg/l	30(100)	4.3	5.2	4.3	3.4	4.8
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.016	0.009	0.018	0.011
13	Chlorides as Cl	mg/l	250(1000)	25.5	36.4	29.6	21.1	27.4
14	Sulphates as SO_4	mg/l	200(400)	6.40	8.20	3.80	3.30	4.70
15	Fluorides as F	mg/l	1.0(1.5)	0.117	0.138	0.160	0.164	0.138
16	Nitrates as NO_3	mg/l	45(NR)	1.50	1.90	2.10	1.50	1.80
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 3300/99

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/13104/001**
Issued Date	:	**2026-09-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-08-11	Sampling Date	:	2026-08-05
Analysis Starting Date	:	2026-08-12	Analysis Completion Date	:	2026-08-26
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.024	0.047	0.053	0.024	0.039
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	<0.005	0.018	0.016	0.01	0.017
32	Aluminum as Al	mg/l	0.03(0.2)	<0.005	0.017	0.012	0.028	0.014
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.017	0.024	0.021	0.014	0.019
38	Silver as Ag	mg/l	0.1(NR)	<0.005	<0.005	<0.005	<0.005	<0.005

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 33004/99

Dr. Subba Reddy Mallampati
Manager - Environment

Vimta Labs Limited
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Driven by Quality. Inspired by Science.

ISSUED TO:

M/s. Bharat Aluminum Company Limited,
BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/13104/001**
Issued Date	:	**2026-09-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-08-11	Sampling Date	:	2026-08-05
Analysis Starting Date	:	2026-08-12	Analysis Completion Date	:	2026-08-26
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No- DL 3200 VIMTA

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BALCO
KORBA
Chhattisgarh

Report Number	:	**VLL/VLS/26-27/13104/001**
Issued Date	:	**2026-09-04**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-08-11	Sampling Date	:	2026-08-05
Analysis Starting Date	:	2026-08-12	Analysis Completion Date	:	2026-08-26
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS Sr. No.-4 VIMTA

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Manager - Environment

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ISSUED TO:

M/s. Bharat Aluminum Company Limited,	**Report Number**	:	**VLL/VLS/26-27/15382/001**
BALCO	**Issued Date**	:	**2026-10-05**
KORBA	**P.O. No.**	:	**3402001553**
Chhattisgarh	**P.O. Date**	:	**2025-10-01**

SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date : 2026-09-10 Sampling Date : 2026-09-03
Analysis Starting Date : 2026-09-11 Analysis Completion Date : 2026-09-25
Test Required : Water Analysis as per IS 10500: 2012
SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
1	pH value	-	6.5-8.5 (NR)	6.98	7.05	7.23	7.35	7.46
2	Color	Hazen	5(15)	Colorless	Colorless	Colorless	Colorless	Colorless
3	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
5	Turbidity	NTU	1(5)	<0.1	1.5	1.2	1.3	<0.1
6	Total dissolved solids at 180°C	mg/l	500(2000)	90	124	98	87	110
7	Total Hardness as $CaCO_3$	mg/l	200(600)	40	57	46	40	50
8	Total Alkalinity as $CaCO_3$	mg/l	200(600)	30	40	35	38	40
9	Calcium as Ca	mg/l	75(200)	9.7	15.3	11.5	10.4	12.6
10	Magnesium as Mg	mg/l	30(100)	3.7	4.6	4.1	3.2	4.2
11	Free Residual chlorine	mg/l	0.2(1.0)	<0.2	<0.2	<0.2	<0.2	<0.2
12	Boron as B	mg/l	0.5(1.0)	<0.005	0.012	0.007	0.015	0.01
13	Chlorides as Cl	mg/l	250(1000)	24.2	34.8	26.1	18.9	26.8
14	Sulphates as SO_4	mg/l	200(400)	5.80	7.40	4.70	3.80	5.10
15	Fluorides as F	mg/l	1.0(1.5)	0.106	0.121	0.143	0.152	0.118
16	Nitrates as NO_3	mg/l	45(NR)	1.30	1.90	1.40	1.20	1.60
17	Phenolic Compounds as C_6H_5OH	mg/l	0.001(0.002)	<0.001	<0.001	<0.001	<0.001	<0.001
18	Cyanides as CN	mg/l	0.05(NR)	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 33004/99 Sr. No. VIMTA

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P.O. No.	:	**3402001553**
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SAMPLE PARTICULARS : GROUND WATER SAMPLES (CHOTIA MINES)

Sample Registration Date	:	2026-09-10	Sampling Date	:	2026-09-03
Analysis Starting Date	:	2026-09-11	Analysis Completion Date	:	2026-09-25
Test Required	:	Water Analysis as per IS 10500 : 2012			

SAMPLE COLLECTED BY VIMTA LABS LTD.

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
19	Anionic detergents as MBAS	mg/l	0.2(1.0)	<0.02	<0.02	<0.02	<0.02	<0.02
20	Mineral oil	mg/l	0.5(NR)	Absent	Absent	Absent	Absent	Absent
21	Cadmium as Cd	mg/l	0.003(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
22	Total Arsenic as As	mg/l	0.01(0.05)	<0.005	<0.005	<0.005	<0.005	<0.005
23	Copper as Cu	mg/l	0.05(1.5)	<0.005	<0.005	<0.005	<0.005	<0.005
24	Lead as Pb	mg/l	0.01(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
25	Manganese as Mn	mg/l	0.1(0.3)	<0.005	<0.005	<0.005	<0.005	<0.005
26	Molybdenum as Mo	mg/l	0.07(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
27	Nickel as Ni	mg/l	0.02(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
28	Iron as Fe	mg/l	0.3(NR)	0.021	0.038	0.048	0.031	0.025
29	Total Chromium as Cr	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
30	Selenium as Se	mg/l	0.05(NR)	<0.005	<0.005	<0.005	<0.005	<0.005
31	Zinc as Zn	mg/l	5.0(15)	0.010	0.013	0.014	0.009	0.012
32	Aluminum as Al	mg/l	0.03(0.2)	<0.005	0.010	0.023	0.019	0.017
33	Mercury as Hg	mg/l	0.001(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
34	Sulphide as H2S	mg/l	0.05(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
35	Chloramines as Cl2	mg/l	4.0(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
36	Ammonia (as total ammonia-N	mg/l	0.5(NR)	<0.05	<0.05	<0.05	<0.05	<0.05
37	Barium as Ba	mg/l	0.7(NR)	0.019	0.026	0.018	0.016	0.022
38	Silver as Ag	mg/l	0.1(NR)	<0.005	<0.005	<0.005	<0.005	<0.005

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 33004/99 Sr. No. VIMTA

Dr. Subba Reddy Mallampati
Manager - Environment

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Issued Date	:	**2026-10-05**
P.O. No.	:	**3402001553**
P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-09-10	Sampling Date	:	2026-09-03
Analysis Starting Date	:	2026-09-11	Analysis Completion Date	:	2026-09-25
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
39	Polychlorinated biphenyls	mg/l	0.0005(NR)	Absent	Absent	Absent	Absent	Absent
40	Polynuclear aromatic hydrocarbon as PAH	mg/l	0.0001(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
41	Bromoform	mg/l	0.1(NR)	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
42	Dibromochloromethane	mg/l	0.1(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
43	Bromodichloromethane	mg/l	0.06(NR)	<0.01	<0.01	<0.01	<0.01	<0.01
44	Chloroform	mg/l	0.2(NR)	<0.001	<0.001	<0.001	<0.001	<0.001
(A)	**Pesticides**							
45	Alachlor	µg/l	20	<0.01	<0.01	<0.01	<0.01	<0.01
46	Atrazine	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
47	Aldrin	µg/l	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
48	Alpha HCH	µg/l	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
49	Beta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
50	Butachlor	µg/l	125	<0.01	<0.01	<0.01	<0.01	<0.01
51	Chlorpyriphos	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
52	Delta HCH	µg/l	0.04	<0.01	<0.01	<0.01	<0.01	<0.01
53	2,4-Dichlorophenoxyacetic acid	µg/l	30	<0.01	<0.01	<0.01	<0.01	<0.01
54	DDT	µg/l	1	<0.01	<0.01	<0.01	<0.01	<0.01
55	Endosulfan (alpha, beta and Sulphate)	µg/l	0.4	<0.01	<0.01	<0.01	<0.01	<0.01
56	Ethion	µg/l	3	<0.01	<0.01	<0.01	<0.01	<0.01
57	Gamma HCH	µg/l	2	<0.01	<0.01	<0.01	<0.01	<0.01
58	Isoproturon	µg/l	9	<0.01	<0.01	<0.01	<0.01	<0.01

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY VIMTA LABS REGD. No- DL 3300/99 Sr. No.-5 VIMTA

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P.O. Date	:	**2025-10-01**

SAMPLE PARTICULARS : **GROUND WATER SAMPLES (CHOTIA MINES)**

Sample Registration Date	:	2026-09-10	Sampling Date	:	2026-09-03
Analysis Starting Date	:	2026-09-11	Analysis Completion Date	:	2026-09-25
Test Required	:	Water Analysis as per IS 10500 : 2012			
SAMPLE COLLECTED BY VIMTA LABS LTD.					

TEST REPORT

Sr. No.	Parameters	UOM	Limit IS 10500 : 2012	Chotia-1 Guest house water	Chotia-1 mines water (B/W)	Chotia-2 Near Govt. Solar Panel (B/W)	Chotia-2 mines water (B/W)	Chotia-2 Bhujang nagar Village
59	Malathion	µg/l	190	BDL	BDL	BDL	BDL	BDL
60	Methyl parathion	µg/l	0.3	BDL	BDL	BDL	BDL	BDL
61	Monocrotophos	µg/l	1	BDL	BDL	BDL	BDL	BDL
62	Phorate	µg/l	2	BDL	BDL	BDL	BDL	BDL
63	E.coli	Per 100 ml	Absent	Absent	Absent	Absent	Absent	Absent
64	Total Coliforms	MPN/100ml	Absent	Absent	Absent	Absent	Absent	Absent
(B)	**Radioactive**							
65	Alpha emitters	Bq/l	0.1(NR)	BDL	BDL	BDL	BDL	BDL
66	Beta emitters	Bq/l	1.0(NR)	BDL	BDL	BDL	BDL	BDL

Method of Testing: As per APHA 23rd edition and IS: 3025
Instrument Used: ICP-OES (Perkin-Elmer) & ICP-MS (agilent)
Analysis as per IS 10500: 2012 Drinking Water specification

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY
VIMTA LABS
REGD. No- DL 33004/99
Sr. No.-5
VIMTA

Dr. Subba Reddy Mallampati
Manager - Environment

Annexure-VI

न्यूज पेलरी

व्यावहारिक शिक्षा को बढ़ावा देने विभाग का प्रयोग, स्कूल की छुट्टियों में निपटाएंगे प्रायोगिक-सैद्धांतिक

फील्ड वर्क करने पर परीक्षा में मिलेगा अंक



लखनवी उत्सव 2018 अब जैन मंदिर परिसर में



आयोजन

जननेता स्व. बिसाहूदास महंत की बरसी पुण्यतिथि

बाबूजी का पूरा जीवन सादगी और त्याग से परिपूर्ण : महंत




B.Sc. Nursing
4 Years Course
NURSING EDUCATION
BHARAT INSTITUTE OF NURSING
HEAR DAYANAND PUBLIC SCHOOL
KOSAWADI, KORBA (C.G.)
093006 44100, 9300620180

SHIKSHA

शिक्षा इंस्टीट्यूट

...Transforming Dreams Into Reality

छ.ग.पी.एस.सी. (प्री. तथा मेन्स) व्यापम, पटवारी, आर.आई., फूड इंस्पेक्टर तथा सब इंस्पेक्टर की परीक्षाओं हेतु सर्वश्रेष्ठ संस्थान



डॉ. एस.के.झा
दिल्ली, अर्थशास्त्र

नया बैच प्रारंभ - 26 जुलाई एवं 1 अगस्त 2018 से

PSC Pre.
Timing
Morning : 7 am to 10 am
Evening : 6 pm to 8 pm

PSC Mains
Timing
Morning : 7:30 am to 10 am
Evening : 4 pm to 7 pm

Vyapam, S.I.
Timing
Morning : 7 am to 10 am
Evening : 6 pm to 8 pm



विनय पाण्डेय
सब इंस्पेक्टर की विशेष कक्षायें

छत्तीसगढ़ की कक्षायें रोहित सर द्वारा ली जायेगी

शिक्षा की सर्वश्रेष्ठ टीम



डॉ. जी. जी. राठौर
अभिषेक अग्रहरि
सोमनाथ
विप्लव श्रीवास्तव
डॉ.एस.एस.पाण्डेय
डॉ. विकास सिंह
रवि पाठक
मनोज शर्मा

ब्रांच 1 : बैंक ऑफ इण्डिया के बगल में दयालबंद, बिलासपुर (छ.ग.)
☎ 07752-490782, 7566684444

न्यू -ब्रांच 2: बचपन स्कूल के बगल में मंगला चौक, बिलासपुर (छ.ग.)
☎ 07752-490781, 7047777706

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shikshainstitute
7566684444

Annexure-9

FROM THE FRONT PAGE

Death for rapists Bill tabled in LS

to 10 years, extendable to life imprisonment.

According to the Bill, in case of rape of a girl under 16 years, the minimum punishment has been increased from 10 years to 20 years, extendable to imprisonment for rest of life which means jail term till the convict's "natural life".

The punishment for gang rape of a girl below 16 years will hopefully be imprisonment for the rest of life of the convict. Similarly punishment for rape of a girl under 12 years has been provided with the minimum jail term being 20 years which may go up to life imprisonment or death sentence.

Similarly, in case of rape of a girl under 12 years of age with the punishment of jail term for the rest of life or death. The maximum also remains for rape of girls in the age group of 16 years and more. The minimum punishment for rape of girls in the age group of 16 years and more has been prescribed, which has to be mandatorily complied with by the courts.

The deadline for the completion of trial in all rape cases will be two months. A maximum time limit for the disposal of appeals in rape cases has also been prescribed.

A lawmaker is disqualified if conviction not stayed: SC

Justice Lokur rejected the plea of the Representation of the People Act (RPA) that gave a convicted lawmaker the power to remain in office on the ground that appeals/revisions filed within three months of conviction.

"The only question is about the stage of section 8(4) of the Representation of the People Act (RPA) and not whether the rules which said that the disqualification takes place from the date of conviction," the court had said. The RPA in its first proviso filed through its secretary V N Shukla, said the disqualification of a lawmaker takes place immediately after the conviction and the words disqualification are to be read with retrospective effect by an appellate court by staying the conviction.

Shukla, the lawyer-brother of ex-army chief Vinod Rai, told the bench, which also comprised Justices A M Khanwilkar and D Y Chandrachud, that the 2013 verdict barred the appellate courts from staying the conviction of a lawmaker.

"We are there to the passages in the judgement where it is said there can stay will be granted on the petition against the conviction," the bench said.

"The law is clear that a person, who has been convicted and has not got a stay on the conviction, his or her membership is ceases," it said, adding that appellate courts are not barred from granting stay on conviction.

Moving to the other branch of the court, on points put to the House proceedings, Attorney General K K Venugopal said that disqualified MPs and MLAs, on conviction for offences, will be immediately disqualified from holding membership of the House/Assembly/ bring given three months' time for appeal, as was in the case earlier. The court, however, had then said that the legislation would cause problem in cases of MPs and MLAs who have already filed their appeals to higher courts before pronouncement of the verdict.

'Matters heard by CJI can be live streamed'

NEW DELHI, July 23 (PTI)

VIDEO recording and live streaming of judicial proceedings can be undertaken on a trial basis in constitutional matters being heard by the Chief Justice of India in court, the Centre told the Supreme Court on Monday.

Attorney General for India K K Venugopal, whose submissions have been sought by the court in the matter, said applications for live streaming and video recording of such matters are now pending.

He suggested that a trial run of streaming of the pilot projects can be later analysed and issues can be addressed. He added that the live streaming can be started in cases in which the Chief Justice of India is one of the members of the bench, also comprising Justices A M Khanwilkar and D Y Chandrachud, asked all the parties, including senior advocate Indira Jaising, who had filed a PIL in her personal capacity, to give suggestions in the matter.

The bench, which had on Friday said the pilot projects can be later analysed and issues can be addressed, had also said that live streaming can be undertaken in cases in which the Chief Justice of India is one of the members of the bench, also comprising Justices A M Khanwilkar and D Y Chandrachud, asked all the parties, including senior advocate Indira Jaising, who had filed a PIL in her personal capacity, to give suggestions in the matter.

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Woman lynched in MP; 12 held

(Carried from page 1)

Inside village is around 80-90 pm widely it. They stopped her, suspecting her to be a child-lifter and hit her with both hand and stone. Deceased aunt. After killing the woman, she was dumped her body in a drain in a forested area of Bhosh, some 30 km from the district headquarters, he said.

Some villagers reported the body on July 20 and informed the police, he added.

The police arrested 12 people and booked them for rioting and murder, among others charges under the IPC, the SDOP said.

He said efforts are on to identify the deceased. The Bhagwadi episode is the latest in a spate of incidents of lynching and mob violence reported from various parts of the country in the recent past.

A few weeks back, seven people were lynched in Dhule village of Maharashtra on suspicion that they were child-lifters.

Centre sets up panels to check mobocracy

(Carried from page 1)

Shankar Prasad and Social Justice and Empowerment Minister Thawar Chand Gehlot are members of the GoM. The GoM will submit its recommendations to Prime Minister Narendra Modi. Referring to the incidents of the mob violence and lynching, the Attorney General told the Court it is concerned over incidents of violence by mobs in some parts of the country.

The Government has already condemned such incidents and made its stand clear in Parliament that it is committed to uphold the rule of law and also protect the innocents from such incidents.

'Police' and 'Public Order' are state subjects as per the Constitutional scheme and State Governments are responsible for controlling crime, maintaining law and order, and protecting the life and property of the citizens, the spokesperson said.

They are empowered to enact and enforce laws to curb crime in their jurisdiction.

Accordingly, the Ministry of Home Affairs has, from time to time, issued advisories to states and Union Territories for instantaneous use of police force and prevention of crime in their areas of jurisdiction.

FOOD CORPORATION OF INDIA

Regional Office : Vidhan Sabha Road, Post - Pandit, Raipur (C.G.) 492005
Ph : 0771-4046106, Fax : 0771-4079913, Email : gmreg.fci@gov.in

NOTICE INVITING TENDER

Dated : 23.07.2018

For and on behalf of Food Corporation of India (FCI), General Manager (R) Raipur, invites online tender under TWO BID SYSTEM through e-tendering at Central Public Procurement Portal (www.eprocure.gov.in) from competent, financially sound, experienced manufacturers/ dealers for the supply/ erection/ commissioning of Rail/ Road Weighbridges including AMC & CMC (one Mandatory) as mentioned in the General Terms & Conditions mentioned in the tender document. Interested bidders may also visit the website of FCI (www.fci.gov.in) for obtaining the tender documents and also contact the undersigned for any clarification in this regard.

Sl. No.	Contract	Distance to RMC (in km)	Estimated Contract Value (ECV) (in Rs.)	Earnest Money Deposit (EMD) @ 10% of ECV (in Rs.)	Security Deposit (in Rs.)		
					@5% of ECV	Bank Guarantee (50% of 5% for bidders supplying & AMC/CMC and 100% of 5% for BCC)	Additional Bank Guarantee (10% of PCV in case of less quoted rate)
1	[illegible]	[illegible]	1700000	170000	85000	42500	170000
2	[illegible]	[illegible]	1500000	210000	105000	105000	210000
3	[illegible]	[illegible]	1600000	160000	80000	40000	160000
4	[illegible]	[illegible]	1500000	150000	75000	37500	150000
5	[illegible]	[illegible]	2500000	250000	125000	62500	250000
6	[illegible]	[illegible]	1800000	180000	90000	45000	180000
7	[illegible]	[illegible]	3500000	350000	175000	87500	350000
8	[illegible]	[illegible]	1700000	170000	85000	42500	170000
9	[illegible]	[illegible]	4000000	400000	200000	100000	400000
10	[illegible]	[illegible]	2000000	200000	100000	50000	200000
11	[illegible]	[illegible]	1600000	160000	80000	40000	160000
12	[illegible]	[illegible]	1500000	150000	75000	37500	150000
13	[illegible]	[illegible]	2500000	250000	125000	62500	250000
14	[illegible]	[illegible]	1800000	180000	90000	45000	180000
15	[illegible]	[illegible]	3500000	350000	175000	87500	350000

Tender Terms (Technical Bid & Price Bid) can be downloaded from FCI website www.fciweb.nic.in & www.eprocure.gov.in between 19:00 hours on 24.07.2018 to 17:00 hours on 13.08.2018, and also in sealed Cover Through e-procurement portal upto 13.08.2018 by 17:30 hrs. Earnest Money Rs. 1,000/- (One Thousand Five Hundred) Only + (18% GST) = Rs. 2125/- (One Thousand Seven Hundred Only + Total Rs. 3,125/- (Rupees One Thousand Seven Hundred Seventy only) to be paid by online payment only (www.eprocure.gov.in). The technical bid of the tenders shall be opened online on 14.08.2018 at 12:00 hours in the office of FCI, Regional Office, Raipur, Raipur (C.G.). The tenders may be submitted online upto 13.08.2018 by 17:30 hrs. Offline submission not acceptable. FCI reserves the right to accept or reject any or all tenders without assigning any reason thereof. It is the responsibility of the bidder to keep himself updated with any corrigendum/ addendum/ amendment etc. which shall be hosted on the above mentioned websites. It is the responsibility of the bidder to keep himself updated with any corrigendum/ addendum/ amendment etc. which shall be hosted on the above mentioned websites. It is the responsibility of the bidder to keep himself updated with any corrigendum/ addendum/ amendment etc. which shall be hosted on the above mentioned websites.

Sd/-
General Manager (Technical)

कार्यपालन अधिकारी
नगर निवेश विभाग/नगरीय सरकार संकुल,
जशपुर (छत्त.)

टिप्पण : [illegible]

[illegible]

[illegible]

कार्यपालन अधिकारी,
नगर निवेश विभाग/नगरीय सरकार संकुल
जशपुर (छत्त.)

[illegible]

Bharat Aluminium Company Limited
Korba, Chhattisgarh

PUBLIC NOTICE

This is to inform the General Public that the Ministry of Environment, Forests & Climate Change (MOEF&CC), Government of India has accorded Environmental Clearance to M/s Bharat Aluminium Company Limited for proposed project Chotia II Captive coal mining Project for 3.0 MTPA in mine lease area of 338.0ha to be located in Sahajpuri village, Tehsil Pathariyadih, District Korba Chhattisgarh. A copy of environmental clearance letter is available in office of Chhattisgarh Environment Conservation Board (CECB), and also at website of (MOEF&CC) at http://www.envfor.nic.in

For, Bharat Aluminium Company Limited
Korba, Chhattisgarh

POWER GRID CORPORATION OF INDIA LIMITED

[illegible]

Bid No.	Name of the Work	Estimated Tentative Consultancy Cost	EMD Submission Amt
Bids Opening Date: 24.07.2018 for Packages A to I			
A.	[illegible]	₹ 483.30 Lakh (+ ₹ [illegible])	₹ 1.00 Lakh
B.	[illegible]	₹ 767.16 Lakh (+ ₹ [illegible])	₹ 1.00 Lakh
C.	[illegible]	₹ 675.00 Lakh (+ ₹ [illegible])	₹ 1.00 Lakh
D.	[illegible]	₹ 140.00 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh
E.	[illegible]	₹ 133.91 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh
F.	[illegible]	₹ 135.13 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh
G.	[illegible]	₹ 86.78 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh
H.	[illegible]	₹ 63.73 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh
I.	[illegible]	₹ 54.00 Lakh (+ ₹ [illegible])	₹ 0.50 Lakh

Detail Tender Documents shall be available for sale/Download from the Website of "Power Grid Corporation of India Ltd.". Payable at Nagpur. The bidders are required to submit their bids strictly in accordance with the requirements stipulated in the documents on Power Grid's Office Website or as may be informed by POWERGRID either vide corrigendum or in the event of Website failure. / Chief Manager (Commercial-NLP)

[illegible]