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

BALCO/ENV/A-02(A)/2025/511 Date:01.11.2025

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 2025 to September 2025) 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 2025 to September 2025 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,

Colliery Manager
Chotia II OC Coal Mine

Colliery Manager
Chotia - II OC Coal Mine
Bharat Aluminium Co. Ltd

(Authorized Signatory)

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

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

Vimta Labs Limited
Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051,Telangana, India
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F : +91 40 2726 3657

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

Report Number: VLL/VLS/25-26/02532/002
Issue Date: 2025-05-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-04-12 6:00 to 22.00	Norms in dB(Night)	2025-04-12 22.00 to 6.00
1	Near Loading Point	dB	75	49.4	70	40.1
2	Mine Dump	dB	75	48.7	70	39.4
3	Operational area During Drilling	dB	75	47.4	70	40.6
4	Weigh Bridge	dB	75	48.9	70	38.5
5	Near D. G. Room	dB	75	49.2	70	39.4
6	Operational Area Of Shove	dB	75	47.6	70	38.8
7	Chotia II Village Bhujang Kachhar	dB	55	45.9	50	34.2

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

Dr. Subba Reddy Mallampati
Manager - Environment

Vimta Labs Limited
Registered Office
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Hyderabad-500 051,Telangana, India
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M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/02532/002
Issue Date: 2025-05-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-04-29 6:00 to 22.00	Norms in dB(Night)	2025-04-29 22.00 to 6.00
1	Near Loading Point	dB	75	48.7	70	39.7
2	Mine Dump	dB	75	48.6	70	38.7
3	Operational area During Drilling	dB	75	48.9	70	39.5
4	Weigh Bridge	dB	75	47.4	70	38.9
5	Near D. G. Room	dB	75	49.6	70	40.4
6	Operational Area Of Shove	dB	75	47.9	70	38.5
7	Chotia II Village Bhujang Kachhar	dB	55	46.3	50	35.1

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

Dr. Subba Reddy Mallampati
Manager – Environment

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M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/04458/002
Issue Date: 2025-06-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-05-09 6:00 to 22.00	Norms in dB(Night)	2025-05-09 22.00 to 6.00
1	Near Loading Point	dB	75	47.4	70	38.9
2	Mine Dump	dB	75	47.1	70	37.6
3	Operational area During Drilling	dB	75	48.5	70	38.3
4	Weigh Bridge	dB	75	48.3	70	37.2
5	Near D. G. Room	dB	75	47.6	70	36.9
6	Operational Area Of Shove	dB	75	47.9	70	37.1
7	Chotia II Village Bhujang Kachhar	dB	55	48.2	45	36.8

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

Dr. Subba Reddy Mallampati
Manager - Environment

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KORBA (C.G)

Report Number: VLL/VLS/25-26/04458/002
Issue Date: 2025-06-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-05-26 6:00 to 22.00	Norms in dB(Night)	2025-05-26 22.00 to 6.00
1	Near Loading Point	dB	75	47.4	70	37.9
2	Mine Dump	dB	75	48.2	70	38.6
3	Operational area During Drilling	dB	75	47.7	70	38.1
4	Weigh Bridge	dB	75	48.2	70	36.9
5	Near D. G. Room	dB	75	48.5	70	37.3
6	Operational Area Of Shove	dB	75	46.9	70	36.9
7	Chotia II Village Bhujang Kachhar	dB	55	47.2	45	36.4

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No. DL-330 Sr. No.-5

Dr. Subba Reddy Mallampati
Manager - Environment

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KORBA (C.G)

Report Number: VLL/VLS/25-26/06982/002
Issue Date: 2025-07-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-06-14 6:00 to 22.00	Norms in dB(Night)	2025-06-14 22.00 to 6.00
1	Near Loading Point	dB	75	45.9	70	38.6
2	Mine Dump	dB	75	46.0	70	38.9
3	Operational area During Drilling	dB	75	45.7	70	38.5
4	Weigh Bridge	dB	75	47.1	70	38.9
5	Near D. G. Room	dB	75	46.7	70	38.1
6	Operational Area Of Shove	dB	75	45.8	70	38.8
7	Chotia II Village Bhujang Kachhar	dB	55	48.2	45	39.4

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

Dr. Subba Reddy Mallampati
Manager - Environment

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M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/06982/002
Issue Date: 2025-07-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-06-24 6:00 to 22.00	Norms in dB(Night)	2025-06-24 22.00 to 6.00
1	Near Loading Point	dB	75	47.0	70	39.0
2	Mine Dump	dB	75	47.1	70	38.7
3	Operational area During Drilling	dB	75	48.0	70	38.1
4	Weigh Bridge	dB	75	47.9	70	38.7
5	Near D. G. Room	dB	75	47.5	70	38.9
6	Operational Area Of Shove	dB	75	48.2	70	37.9
7	Chotia II Village Bhujang Kachhar	dB	55	49.3	45	38.2

ENVIRONMENT LABORATORY
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REGD. No- DL 33004/99
VIMTA

Dr. Subba Reddy Mallampati
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M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/09740/002
Issue Date: 2025-08-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-07-05 6:00 to 22.00	Norms in dB(Night)	2025-07-05 22.00 to 6.00
1	Near Loading Point	dB	75	46.1	70	39.3
2	Mine Dump	dB	75	46.6	70	37.8
3	Operational area During Drilling	dB	75	45.3	70	38.4
4	Weigh Bridge	dB	75	46.9	70	38.2
5	Near D. G. Room	dB	75	47.3	70	37.9
6	Operational Area Of Shove	dB	75	45.2	70	38.5
7	Chotia II Village Bhujang Kachhar	dB	55	48.9	45	36.9

ENVIRONMENT LABORATORY Vimta VIMTA LABS VIMTA

Dr. Subba Reddy Mallampati
Manager - Environment

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M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/09740/002
Issue Date: 2025-08-05
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-07-29 6:00 to 22.00	Norms in dB(Night)	2025-07-29 22.00 to 6.00
1	Near Loading Point	dB	75	46.8	70	38.7
2	Mine Dump	dB	75	45.4	70	38.9
3	Operational area During Drilling	dB	75	47.8	70	39.0
4	Weigh Bridge	dB	75	47.1	70	38.4
5	Near D. G. Room	dB	75	46.3	70	37.8
6	Operational Area Of Shove	dB	75	47.7	70	36.9
7	Chotia II Village Bhujang Kachhar	dB	55	48.7	45	36.2

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

Dr. Subba Reddy Mallampati
Manager - Environment

Vimta Labs Limited
Registered Office
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ISSUED TO
M/s. Bharat Aluminium Company Limited
KORBA (C.G)

Report Number: VLL/VLS/25-26/11867/002
Issue Date: 2025-09-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-08-09 6:00 to 22.00	Norms in dB(Night)	2025-08-09 22.00 to 6.00
1	Near Loading Point	dB	75	47.6	70	37.1
2	Mine Dump	dB	75	46.9	70	38.5
3	Operational area During Drilling	dB	75	47.6	70	38.0
4	Weigh Bridge	dB	75	47.5	70	38.5
5	Near D. G. Room	dB	75	47.2	70	36.8
6	Operational Area Of Shove	dB	75	46.9	70	38.4
7	Chotia II Village Bhujang Kachhar	dB	55	46.6	45	39.3

ENVIRONMENT LABORATORY Vimta VIMTA LABS RECD. No- DL 33 Sr. No.-5

Dr. Subba Reddy Mallampati
Manager - Environment

Vimta Labs Limited
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M/s. Bharat Aluminium Company Limited

KORBA (C.G)

Report Number: VLL/VLS/25-26/11867/002
Issue Date: 2025-09-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-08-27 6:00 to 22.00	Norms in dB(Night)	2025-08-27 22.00 to 6.00
1	Near Loading Point	dB	75	47.1	70	39.2
2	Mine Dump	dB	75	47.4	70	39.2
3	Operational area During Drilling	dB	75	48.5	70	37.7
4	Weigh Bridge	dB	75	49.3	70	36.9
5	Near D. G. Room	dB	75	47.6	70	38.2
6	Operational Area Of Shove	dB	75	47.1	70	37.0
7	Chotia II Village Bhujang Kachhar	dB	55	48.7	45	37.6

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. NO. 33004/99 VIMTA

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KORBA (C.G)

Report Number: VLL/VLS/25-26/14073/002
Issue Date: 2025-10-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-09-11 6:00 to 22.00	Norms in dB(Night)	2025-09-11 22.00 to 6.00
1	Near Loading Point	dB	75	47.9	70	38.2
2	Mine Dump	dB	75	46.8	70	37.3
3	Operational area During Drilling	dB	75	46.8	70	39.1
4	Weigh Bridge	dB	75	47.6	70	38.6
5	Near D. G. Room	dB	75	46.6	70	37.7
6	Operational Area Of Shove	dB	75	47.0	70	38.0
7	Chotia II Village Bhujang Kachhar	dB	55	45.8	45	40.8

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KORBA (C.G)

Report Number: VLL/VLS/25-26/14073/002
Issue Date: 2025-10-04
P.O. No: 8500005780
P.O. Date: 2022-06-29

Sample Particulars: AMBIENT NOISE MONITORING (CHOTIA-2)

Tests required: Sound Level

SAMPLES COLLECTED BY VIMTA LABS LTD **LAB REF.: EC**

TEST RESULTS

S. No	Location	Unit	Norms in dB(Day)	2025-09-24 6:00 to 22.00	Norms in dB(Night)	2025-09-24 22.00 to 6.00
1	Near Loading Point	dB	75	48.5	70	39.9
2	Mine Dump	dB	75	45.9	70	39.3
3	Operational area During Drilling	dB	75	48.9	70	38.9
4	Weigh Bridge	dB	75	49.7	70	38.5
5	Near D. G. Room	dB	75	47.6	70	37.9
6	Operational Area Of Shove	dB	75	48.2	70	38.3
7	Chotia II Village Bhujang Kachhar	dB	55	48.4	45	38.4

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

Dr. Subba Reddy Mallampati
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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	46.000
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 regrass, seeding and grass cutting	10.000
2.5	Development of browse, fruit, seeds & root.	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. balco

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सूटघोरा वनमण्डल, कटघोरा

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ISSUED TO:	Report No.:	VLL/VLS/25-26/02532/001
M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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 1)								
Sampling Date			2025-04-03	2025-04-05	2025-04-09	2025-04-11	2025-04-15	2025-04-17	2025-04-21	2025-04-23	Method
Sulphur Dioxide (SO_2)	µg/m³	80	10.7	11.6	8.3	10.5	9.2	8.6	10.8	11.2	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	12.9	13.8	10.6	12.7	11.6	10.8	12.1	13.5	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	53.8	49.6	59.5	60.4	54.1	47.6	44.9	56.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	15.4	14.4	17.2	18.3	15.2	14.2	13.2	15.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.6	1.1	0.9	1.4	1.3	1.2	1.1	1.4	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.4	2.1	2.8	4.2	3.6	4.7	3.2	2.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	258	294	328	304	257	248	182	237	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.8	3.1	1.6	2.4	1.9	2.7	2.2	2.6	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			**2025-04-03**	**2025-04-05**	**2025-04-09**	**2025-04-11**	**2025-04-15**	**2025-04-17**	**2025-04-21**	**2025-04-23**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.9	7.5	10.1	7.4	8.6	9.4	10.9	9.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.2	9.8	12.5	9.6	10.9	11.7	13.1	11.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	49.4	53.7	50.6	45.1	48.6	56.3	51.8	56.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	15.1	17.6	15.5	13.1	13.9	17.2	15.4	17.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.3	1.1	0.8	1.0	1.2	1.1	1.5	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.8	3.4	3.2	2.8	2.1	3.6	2.9	3.3	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	186	264	301	296	198	252	279	248	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.1	1.5	1.9	2.6	1.7	2.2	1.6	1.8	UV photometric method

ENVIRONMENT LABORATORY Vimta REGD. No- DL 33004/99 VIMTA
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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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 : Guest House (Chotia - 1)								
Sampling Date			**2025-04-03**	**2025-04-05**	**2025-04-09**	**2025-04-11**	**2025-04-15**	**2025-04-17**	**2025-04-21**	**2025-04-23**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	11.4	11.0	9.0	11.2	10.4	12.3	10.8	11.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	13.7	13.4	11.3	13.7	12.8	14.6	13.1	14.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	56.8	53.9	50.8	64.2	48.6	45.2	49.1	55.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.3	16.0	14.5	20.5	12.0	11.7	13.5	16.5	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	1.3	1.1	0.8	1.0	0.9	1.2	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.6	3.2	3.6	2.9	2.8	2.7	3.5	3.3	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	237	274	248	219	231	319	377	342	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.5	2.9	3.6	3.1	4.2	2.8	3.3	2.7	UV photometric method

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

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			**2025-04-03**	**2025-04-05**	**2025-04-09**	**2025-04-11**	**2025-04-15**	**2025-04-17**	**2025-04-21**	**2025-04-23**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	13.8	11.4	10.8	12.0	13.4	10.9	12.5	11.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	15.2	13.6	12.7	14.2	15.6	12.6	14.4	13.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	57.3	54.8	61.6	58.2	54.7	63.5	56.9	52.4	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.1	15.5	21.5	17.3	14.5	24.1	16.1	14.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.8	1.4	1.6	2.2	1.5	1.3	1.7	2.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	1.8	2.7	3.1	2.9	2.1	2.4	2.8	3.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	216	341	287	254	195	319	331	356	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.7	2.2	2.8	3.6	3.1	3.5	2.4	2.3	UV photometric method

ENVIRONMENT LABORATORY
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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			2025-04-03	2025-04-05	2025-04-09	2025-04-11	2025-04-15	2025-04-17	2025-04-21	2025-04-23	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.4	11.2	8.3	10.0	12.2	10.7	9.6	9.3	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.7	13.5	10.6	12.2	14.6	12.8	11.9	11.4	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	48.7	39.6	45.2	41.8	47.6	52.3	46.4	43.1	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.5	10.6	12.9	11.3	14.4	17.0	15.6	12.5	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.0	0.8	0.8	1.2	1.0	1.1	1.2	0.9	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.5	1.4	2.2	1.9	3.4	2.8	2.6	3.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	169	205	237	248	183	272	259	194	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.5	2.2	2.8	1.8	3.4	1.9	2.7	3.6	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			2025-04-03	2025-04-05	2025-04-09	2025-04-11	2025-04-15	2025-04-17	2025-04-21	2025-04-23	Method
Sulphur Dioxide (SO_2)	µg/m³	80	11.6	9.4	13.7	11.9	12.3	10.2	11.8	12.1	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	13.8	11.5	15.0	13.6	14.8	13.1	13.9	14.3	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	54.3	48.7	51.2	60.4	54.9	57.3	48.4	52.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	16.6	14.1	14.8	22.0	16.3	18.2	14.5	16.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.4	1.1	1.6	1.3	1.1	1.5	1.2	1.6	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.1	2.8	2.4	3.6	3.3	2.7	2.9	3.5	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	316	259	274	174	296	328	261	307	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.9	4.2	2.8	2.1	3.4	1.6	2.8	2.6	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-05-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			**2025-04-03**	**2025-04-05**	**2025-04-09**	**2025-04-11**	**2025-04-15**	**2025-04-17**	**2025-04-21**	**2025-04-23**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	11.7	8.4	12.4	9.2	9.5	10.8	9.8	11.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	13.5	10.6	14.2	11.5	11.8	12.9	11.6	13.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.3	50.8	44.1	48.9	43.7	52.1	47.3	43.4	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	12.5	15.6	11.5	16.4	13.6	16.1	13.9	10.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	0.9	1.1	1.0	1.4	1.2	0.8	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	1.4	3.9	2.5	3.2	2.8	2.6	1.9	3.4	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	273	258	324	308	224	281	376	265	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.3	2.8	2.1	1.5	1.4	2.6	2.2	1.2	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-04-05 **Analysis Completion date :- 2025-05-05**

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			**2025-04-03**	**2025-04-05**	**2025-04-09**	**2025-04-11**	**2025-04-15**	**2025-04-17**	**2025-04-21**	**2025-04-23**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	10.9	13.7	11.7	12.8	10.5	11.4	13.4	12.8	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	13.1	15.2	13.4	14.5	12.6	13.7	14.8	14.2	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	53.7	49.6	61.6	58.6	55.9	52.7	45.8	51.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.6	18.8	22.8	19.5	16.3	14.2	12.2	14.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.5	1.2	1.0	1.3	1.1	1.0	1.4	1.3	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.7	3.2	4.5	3.7	2.9	3.5	3.3	2.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	350	273	168	338	244	347	231	316	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.5	3.1	2.3	2.6	2.2	3.2	2.8	2.1	UV photometric method

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Report No.:	VLL/VLS/25-26/04458/002
Issue Date:	2025-06-04
P.O.No:	8500005780
P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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 : Dhansar Camp (Chotia - 1)									
Sampling Date			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	7.6	8.7	6.6	7.1	8.6	7.3	7.7	9.3	8.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.8	11.3	8.9	9.5	10.9	9.8	10.2	12.1	11.9	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	47.5	53.2	44.6	51.8	56.4	52.9	50.6	46.4	49.8	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.6	16.4	12.8	15.0	15.1	13.1	12.6	13.9	12.7	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	0.8	1.0	1.2	1.4	1.0	1.2	1.3	0.9	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.8	3.2	2.9	3.6	3.3	2.8	3.1	2.6	3.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	252	291	174	218	293	186	264	217	236	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.9	2.4	2.1	1.7	2.7	2.5	1.8	2.2	2.5	UV photometric method

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KORBA (C.G.)	Issue Date:	2025-06-04
	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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 : D G SET - (CHOTIA 1)									
Sampling Date			**2025-05-01**	**2025-05-07**	**2025-05-09**	**2025-05-13**	**2025-05-15**	**2025-05-19**	**2025-05-21**	**2025-05-25**	**2025-05-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.0	10.2	7.6	9.5	7.3	8.9	9.1	6.3	8.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.9	14.3	9.2	12.4	8.9	10.5	11.4	8.5	10.4	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	58.9	54.3	48.7	52.1	56.8	68.7	65.2	46.9	42.5	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	16.6	14.2	11.6	13.9	15.7	19.7	17.8	12.2	10.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	1.0	1.1	0.9	1.3	1.5	1.0	1.3	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.2	3.8	3.2	3.6	2.8	4.5	3.7	3.1	3.3	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	187	217	262	193	258	209	174	229	241	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.6	2.4	2.8	3.1	2.8	1.6	3.2	2.9	2.2	UV photometric method

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Report No.:	VLL/VLS/25-26/04458/003
Issue Date:	2025-06-04
P.O.No:	8500005780
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AMBIENT AIR QUALITY MONITORING AT GUEST HOUSE (CHOTIA -1)

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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 : Guest House (Chotia - 1)									
Sampling Date			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	9.1	7.7	7.5	8.1	6.9	8.4	9.7	10.3	10.0	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.6	10.3	9.9	10.5	9.2	10.7	11.9	12.8	12.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	61.8	59.4	64.8	57.6	53.8	47.3	62.9	50.5	52.1	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.2	15.8	19.3	16.4	15.5	12.9	20.3	13.5	14.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.1	1.3	1.0	0.8	1.0	0.9	1.2	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.8	4.5	3.3	5.6	4.8	2.7	3.6	4.1	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	297	262	290	220	193	303	276	228	249	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.1	3.3	3.7	2.6	2.9	3.5	2.4	3.7	3.3	UV photometric method

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	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05 **Analysis Completion date :- 2025-06-03**

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			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	10.5	8.9	11.6	8.8	9.4	9.0	9.9	12.6	9.7	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	13.2	11.4	13.7	11.3	11.8	11.3	12.5	15.3	13.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	57.4	62.8	54.1	68.7	64.1	71.3	63.7	55.6	52.8	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	15.3	18.8	13.2	21.8	19.5	22.8	18.7	15.2	12.7	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	1.1	1.5	1.2	1.0	1.4	1.1	1.5	1.3	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.6	4.2	2.7	4.4	4.7	3.9	3.5	3.2	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	353	264	299	278	307	281	252	239	334	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.4	2.7	3.6	3.1	2.7	2.5	2.2	3.6	3.2	UV photometric method

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AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.2	7.0	6.4	7.7	8.1	9.7	7.2	9.5	8.6	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.6	9.4	8.1	10.6	11.4	12.1	10.3	12.9	11.7	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	52.1	47.4	50.7	54.1	46.8	50.7	53.2	49.6	45.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.9	12.3	14.4	15.7	12.6	14.4	15.0	13.5	12.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.2	1.0	0.8	1.1	1.0	0.9	0.8	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.7	3.2	4.6	3.9	3.5	3.1	3.4	2.9	3.3	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	263	294	216	238	227	194	268	201	259	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.6	2.3	1.9	2.5	2.4	2.1	2.9	2.3	2.5	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-06-04
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	9.5	10.7	8.6	7.4	8.3	10.6	9.0	11.3	10.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.9	13.1	11.7	10.3	10.9	12.8	11.6	13.9	12.5	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	56.3	48.2	51.7	59.4	49.2	57.8	52.1	45.4	47.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	18.2	15.2	15.5	20.6	13.8	16.9	15.1	12.5	13.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	1.5	1.2	0.8	1.1	1.5	1.3	1.7	1.4	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.1	2.8	2.4	3.6	3.3	2.7	2.9	3.5	3.5	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	295	323	223	274	319	241	195	283	262	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.2	2.7	2.4	3.6	3.1	2.8	1.5	2.4	2.9	UV photometric method

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KORBA (C.G.)	Issue Date:	2025-06-04
	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05

Analysis Completion date :- 2025-06-03

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 : Govt. Solar Panel (Chotia - 2)									
Sampling Date			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.1	8.1	6.3	7.1	8.4	7.3	6.8	8.2	7.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.5	10.6	8.9	9.4	10.6	9.8	9.3	11.2	10.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	43.8	54.1	47.3	44.7	50.9	53.7	57.2	42.8	46.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.4	16.6	14.1	13.0	13.4	14.9	16.9	10.7	13.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	0.8	1.0	0.9	1.4	1.2	0.9	1.2	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	1.4	3.9	2.5	3.2	2.8	2.6	1.9	3.4	3.4	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	179	256	210	199	168	258	219	242	287	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.9	2.2	1.6	2.5	2.3	1.9	3.2	2.6	1.8	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-05-05 **Analysis Completion date :- 2025-06-03**

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			2025-05-01	2025-05-07	2025-05-09	2025-05-13	2025-05-15	2025-05-19	2025-05-21	2025-05-25	2025-05-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	9.2	10.7	9.2	8.7	8.5	9.5	7.4	8.1	9.7	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.7	13.2	11.9	11.3	10.8	12.2	9.7	10.5	12.3	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	56.8	60.2	54.7	48.3	51.8	57.4	53.9	47.9	45.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	18.5	21.5	17.2	14.6	16.4	18.0	15.9	12.8	14.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	1.1	1.5	1.2	0.9	1.2	1.0	1.4	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.3	3.9	3.5	4.6	4.2	3.7	4.1	4.6	3.8	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	331	266	293	241	255	286	259	319	273	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.6	3.2	2.5	2.9	3.1	2.7	2.3	2.9	2.4	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09 **Analysis Completion date :- 2025-07-04**

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			**2025-06-03**	**2025-06-06**	**2025-06-10**	**2025-06-13**	**2025-06-17**	**2025-06-20**	**2025-06-23**	**2025-06-26**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.5	9.6	8.1	7.3	9.2	6.8	7.4	8.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.9	12.6	10.2	9.8	11.3	9.5	10.2	11.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	52.1	56.3	50.9	53.4	48.6	51.2	47.7	49.5	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.2	16.8	12.9	13.4	12.3	15.7	12.6	14.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	1.3	1.4	1.2	1.0	1.1	1.1	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.2	4.9	4.2	4.3	3.8	5.1	3.9	4.8	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	192	201	177	164	243	174	158	189	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.8	1.9	2.2	2.6	1.4	3.1	2.7	2.4	UV photometric method

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

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KORBA (C.G.)	Issue Date:	2025-07-05
	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.2	6.9	7.1	7.8	6.6	7.4	8.5	6.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.8	9.3	9.5	10.6	9.3	10.8	11.4	9.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.9	51.6	53.9	48.4	42.9	48.3	45.1	43.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	12.7	14.3	16.2	13.1	10.9	12.4	13.7	11.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.0	1.1	1.0	0.8	1.2	1.0	0.8	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.1	4.9	4.4	5.3	4.7	4.3	3.9	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	182	177	163	191	154	149	168	181	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.6	1.2	2.3	1.5	1.8	2.2	1.9	1.7	UV photometric method

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

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.5	7.6	9.2	6.6	7.4	10.6	9.6	11.3	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.4	9.8	11.5	9.2	9.8	13.2	11.9	14.5	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	56.3	52.9	54.7	49.3	51.6	47.2	45.9	48.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.3	13.8	16.1	12.1	15.1	13.7	11.8	14.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	1.1	1.2	1.1	0.9	1.0	1.1	1.3	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.2	4.9	3.4	4.8	3.9	4.1	5.4	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	224	198	253	219	183	205	174	191	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.6	2.8	2.4	3.3	2.9	3.1	2.5	4.2	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09 **Analysis Completion date :- 2025-07-04**

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.9	11.3	12.5	10.6	9.4	8.5	10.4	7.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.5	13.8	15.1	12.8	12.1	11.3	13.8	10.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	56.1	49.5	50.8	47.3	43.9	52.1	47.4	45.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.3	15.3	16.1	12.8	11.6	15.9	12.8	14.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	1.4	1.2	0.8	1.0	1.2	1.0	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.1	4.8	4.4	3.6	4.1	5.8	6.4	4.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	218	194	187	205	176	211	193	206	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.6	3.1	2.4	2.7	1.9	2.3	2.8	2.1	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-07-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	7.1	9.2	7.5	7.2	6.9	8.3	7.6	9.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.6	11.4	9.9	9.6	9.1	10.8	10.3	11.9	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.8	42.7	49.3	52.6	44.1	37.2	43.7	45.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.8	11.9	16.1	17.6	13.6	10.8	12.4	15.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.0	1.0	1.1	1.2	0.9	0.8	1.0	0.8	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.6	5.1	4.8	4.1	3.6	3.7	4.5	3.9	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	182	154	211	197	167	178	169	205	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.7	2.8	2.1	1.9	3.5	2.7	2.4	3.3	UV photometric method

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Report No.:	VLL/VLS/25-26/06982/006
Issue Date:	2025-07-05
P.O.No:	8500005780
P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.2	11.3	9.4	7.9	8.4	6.9	7.4	7.1	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.6	13.5	11.6	10.5	10.8	9.3	10.2	9.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	52.1	48.7	50.4	46.4	43.2	49.2	47.3	53.4	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.8	13.8	15.6	12.6	11.9	14.8	12.9	16.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	1.1	1.4	1.0	1.2	1.0	1.1	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.9	4.5	3.7	3.3	3.9	4.6	3.1	4.8	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	234	187	192	251	209	174	214	226	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.4	1.9	1.4	2.5	1.8	1.2	3.6	2.8	UV photometric method

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Report No.:	VLL/VLS/25-26/06982/007
Issue Date:	2025-07-05
P.O.No:	8500005780
P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.3	10.4	9.6	8.4	7.7	11.3	8.2	9.8	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.6	13.8	11.3	12.8	9.8	13.6	11.1	13.2	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	50.9	53.9	51.6	49.3	47.2	45.6	42.9	46.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.6	16.8	16.2	15.2	13.8	12.6	11.1	13.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.0	1.0	0.8	1.1	1.2	0.9	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.9	4.6	5.2	4.4	5.8	6.3	4.7	3.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	254	183	173	226	241	205	196	172	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.3	1.4	1.8	2.1	1.9	2.6	1.5	1.7	UV photometric method

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KORBA (C.G.)	Issue Date:	2025-07-05
	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-06-09

Analysis Completion date :- 2025-07-04

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			2025-06-03	2025-06-06	2025-06-10	2025-06-13	2025-06-17	2025-06-20	2025-06-23	2025-06-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	7.1	9.3	12.1	8.6	10.4	11.3	12.4	9.6	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.6	12.5	14.6	10.8	12.9	14.2	14.8	12.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	54.8	52.1	49.3	55.6	47.2	50.6	43.8	46.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.9	15.3	13.9	16.4	12.8	14.1	13.6	14.4	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	1.0	1.3	1.2	1.0	0.8	0.9	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.1	4.9	3.6	4.7	4.8	5.6	4.4	4.9	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	263	184	217	158	192	218	234	189	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.8	2.4	2.2	1.9	2.5	1.6	2.4	2.7	UV photometric method

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

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	6.5	8.8	8.1	7.5	7.0	9.7	8.4	7.9	7.6	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	7.7	10.2	10.6	8.9	9.3	12.7	11.6	10.1	9.3	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	47.8	42.6	53.1	47.4	42.9	45.3	38.5	41.2	44.8	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	15.1	13.7	19.6	17.4	15.3	15.3	13.0	14.0	10.3	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.2	1.0	0.9	0.8	1.0	0.9	1.1	0.9	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.6	3.9	4.2	2.8	3.6	3.2	4.4	2.7	3.8	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	241	159	186	292	314	267	164	228	236	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.6	1.3	1.8	3.2	1.9	2.7	3.3	2.4	3.7	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-08-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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 : Guest House (Chotia - 1)									
Sampling Date			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.6	10.4	8.6	6.9	7.6	6.7	9.9	7.4	8.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.2	12.6	9.4	8.1	9.7	8.3	13.8	10.5	10.7	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	42.1	51.8	54.9	48.5	52.1	50.3	49.2	34.4	45.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	12.6	17.0	18.6	11.9	16.2	13.8	14.4	12.4	13.6	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.0	1.3	1.1	0.8	1.2	1.0	1.3	1.1	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.1	3.9	4.8	5.3	4.1	3.9	4.4	3.7	3.1	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	213	195	247	280	219	252	183	274	239	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.7	3.8	2.2	2.5	3.4	2.6	2.2	3.1	2.8	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-08-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.4	7.5	8.7	10.3	8.9	9.5	7.6	9.1	8.3	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.7	9.3	10.6	11.7	9.4	7.9	8.3	11.2	9.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	48.8	58.4	51.8	44.3	49.6	46.2	44.8	47.4	50.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.6	18.8	15.0	12.1	17.5	12.4	13.2	14.9	16.7	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	1.1	1.2	1.0	0.9	1.1	1.3	1.0	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.6	5.1	3.8	5.9	4.7	4.2	3.9	5.3	3.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	273	216	195	255	286	319	285	209	174	NDIR Spectroscopy Method
Ozone	µg/m³	100	4.2	3.9	1.7	3.5	2.8	2.4	4.7	3.1	2.7	UV photometric method

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M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-08-05
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.3	5.9	9.3	8.7	11.4	8.8	7.2	9.5	8.7	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.4	8.6	10.3	9.2	10.6	10.1	9.8	11.5	10.4	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	59.2	41.0	49.1	53.8	49.2	51.7	43.8	55.8	46.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	17.7	11.3	14.9	11.4	8.2	11.2	10.2	17.0	12.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.1	0.8	1.0	0.9	0.9	0.8	1.0	0.9	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.6	3.7	3.2	2.8	4.7	3.4	2.9	4.2	3.1	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	283	179	154	218	247	219	254	186	164	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.9	3.4	2.6	2.5	1.9	3.1	2.8	1.6	2.3	UV photometric method

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	10.4	7.5	10.1	9.5	8.1	9.1	8.7	9.4	7.8	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.8	10.1	12.9	10.6	9.2	12.8	11.3	13.1	10.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.5	53.8	45.8	47.9	43.0	52.1	51.4	40.1	44.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.8	17.4	13.1	13.0	16.3	15.5	14.9	11.6	12.5	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.3	1.1	1.0	1.2	0.8	1.0	0.9	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.7	4.2	3.1	2.7	2.4	3.6	2.1	3.3	3.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	247	164	195	262	186	234	217	223	218	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.8	3.1	3.8	4.6	2.7	4.4	3.9	3.2	2.5	UV photometric method

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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 : Govt. Solar Panel (Chotia - 2)									
Sampling Date			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.3	10.1	8.3	6.9	8.1	9.7	10.5	9.8	7.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.8	13.6	10.1	9.4	10.8	12.4	11.6	12.2	10.9	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	32.8	41.2	48.6	41.9	53.5	45.4	36.1	43.9	40.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	11.0	14.5	18.2	13.5	19.0	14.6	11.6	13.5	11.4	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	1.0	0.9	1.0	0.9	0.8	1.3	1.1	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.8	4.3	2.7	3.6	4.1	3.9	4.4	3.2	2.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	259	291	335	178	261	238	274	219	204	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.7	4.1	3.8	3.2	4.7	2.4	3.3	2.9	2.4	UV photometric method

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			2025-07-02	2025-07-04	2025-07-07	2025-07-10	2025-07-15	2025-07-18	2025-07-21	2025-07-24	2025-07-28	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.5	11.3	9.2	8.6	8.4	7.8	9.5	10.5	8.1	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.7	12.8	10.6	11.9	11.3	9.7	11.4	12.1	10.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	48.3	56.4	43.9	45.8	43.1	56.3	44.9	47.5	50.4	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.7	18.8	13.7	15.6	12.5	17.0	12.9	14.5	16.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.2	1.0	1.4	1.1	1.3	1.1	1.0	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.4	2.7	4.5	3.9	4.2	3.1	4.7	3.8	3.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	281	257	196	262	275	306	227	219	243	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.7	4.2	3.6	3.1	2.8	3.5	4.4	4.1	3.5	UV photometric method

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

Analysis starting date :- 2025-07-05 **Analysis Completion date :- 2025-08-04**

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			**2025-07-02**	**2025-07-04**	**2025-07-07**	**2025-07-10**	**2025-07-15**	**2025-07-18**	**2025-07-21**	**2025-07-24**	**2025-07-28**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.6	9.0	7.3	9.7	6.8	7.8	8.2	9.1	10.1	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.3	12.1	9.6	11.4	10.1	10.9	12.4	11.7	12.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	49.9	47.3	59.6	34.1	43.7	50.4	56.2	51.1	46.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	16.5	14.9	19.2	12.0	14.7	16.7	17.0	15.8	12.4	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.1	1.0	0.8	0.9	1.0	1.3	1.1	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.7	5.2	4.1	3.4	2.7	4.6	3.9	5.4	3.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	204	162	184	257	239	258	172	263	248	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.7	4.1	2.7	2.2	3.8	2.1	3.6	2.4	4.3	UV photometric method

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	5.6	7.9	7.7	8.0	6.4	7.1	7.7	8.1	7.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	7.6	9.1	10.3	9.4	9.5	9.9	11.7	10.4	10.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.3	50.8	44.7	41.9	43.8	48.3	52.9	47.2	54.6	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.6	18.6	15.6	12.9	15.4	17.8	20.5	14.6	18.3	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.7	1.0	1.1	0.7	0.9	0.7	1.2	0.8	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.1	2.6	3.9	5.2	4.7	4.2	2.8	3.9	4.5	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	203	290	246	294	165	250	195	260	151	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.8	2.4	1.6	3.1	2.8	2.4	1.5	2.2	3.6	UV photometric method

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ISSUED TO:	Report No.:	VLL/VLS/25-26/11867/002
M/s. Bharat Aluminium Company Limited,	Issue Date:	2025-09-04
KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.9	7.5	6.6	8.0	8.4	10.9	9.0	9.7	8.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.3	8.7	8.6	9.6	11.1	12.4	12.5	12.3	10.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	52.9	44.5	50.1	46.9	49.6	46.3	40.4	43.8	45.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.0	14.6	18.5	17.3	18.5	15.2	11.9	13.4	16.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.0	1.0	0.8	1.0	1.0	1.1	1.0	1.3	1.2	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.2	4.3	4.1	5.7	5.1	4.9	3.3	5.8	4.2	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	188	217	264	192	178	152	184	201	163	NDIR Spectroscopy Method
Ozone	µg/m³	100	4.8	3.1	3.6	2.8	4.4	4.1	3.9	2.7	3.5	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.4	8.7	4.6	5.4	7.9	5.9	10.2	8.9	5.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.1	10.6	6.3	7.9	10.3	7.8	12.6	10.8	8.3	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	48.3	53.7	50.4	49.3	42.6	46.5	43.8	51.7	47.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	15.1	19.7	18.6	16.2	14.6	16.2	12.6	17.1	15.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.8	1.0	1.3	0.9	1.1	0.7	1.2	1.0	0.8	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.7	5.3	4.4	4.9	5.8	3.4	4.1	2.9	5.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	225	268	398	234	186	212	182	169	217	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.6	4.1	3.3	3.0	3.8	2.4	3.1	2.4	2.7	UV photometric method

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.1	6.7	7.0	7.3	8.9	9.1	6.8	8.1	7.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.8	9.1	9.6	10.4	10.6	11.4	8.4	11.6	10.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	44.9	48.2	45.1	53.9	46.3	43.8	51.9	55.7	47.1	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.9	17.5	15.7	20.8	16.2	14.3	19.1	20.4	16.4	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.8	1.0	0.9	1.0	0.7	0.8	1.0	0.9	0.7	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.2	3.9	3.1	4.6	4.4	5.8	5.2	4.7	5.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	275	214	188	294	181	148	195	237	261	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.1	2.4	2.2	4.6	3.9	4.1	1.5	2.9	3.6	UV photometric method

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AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			2025-08-01	2025-08-05	2025-08-08	2025-08-11	2025-08-14	2025-08-18	2025-08-21	2025-08-25	2025-08-27	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	6.0	4.9	8.0	6.8	8.9	6.9	6.8	10.6	7.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	8.7	7.2	9.8	8.7	10.5	9.2	8.6	12.8	9.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	46.3	38.5	40.8	47.9	52.1	49.3	56.7	44.8	42.5	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.6	12.4	15.8	17.1	20.5	16.2	22.1	16.8	14.4	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	0.7	0.8	0.7	1.0	0.6	0.8	0.9	0.8	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.8	4.1	4.3	3.6	5.2	5.8	4.4	5.3	4.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	189	219	247	191	218	204	227	168	234	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.9	2.4	3.1	1.8	2.7	2.2	3.5	2.6	3.8	UV photometric method

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			2025-08-01	2025-08-05	2025-08-08	2025-08-11	2025-08-14	2025-08-18	2025-08-21	2025-08-25	2025-08-27	Method
Sulphur Dioxide (SO_2)	µg/m³	80	8.1	6.8	9.4	7.5	8.4	7.3	9.2	10.8	8.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.3	9.1	12.0	10.5	10.3	9.8	12.1	14.8	11.6	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	53.9	56.4	48.7	45.1	49.3	50.7	46.1	42.9	51.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.8	23.6	16.8	14.9	18.3	17.7	15.1	13.9	16.5	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.8	1.0	0.9	0.9	1.0	0.7	0.9	1.0	0.7	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.3	5.2	3.9	3.1	4.7	5.1	4.8	3.9	5.5	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	251	275	156	214	189	175	204	144	179	NDIR Spectroscopy Method
Ozone	µg/m³	100	4.2	2.6	3.3	3.5	2.7	2.2	2.9	3.6	4.4	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.4	9.3	9.8	7.2	4.8	9.9	9.7	10.1	9.1	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.6	12.5	11.9	9.8	6.7	12.7	11.8	13.4	12.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	54.3	48.5	52.1	50.9	47.4	53.9	45.4	49.6	42.8	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.3	15.9	18.2	16.4	17.3	20.8	14.1	18.6	13.7	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.8	0.9	1.1	1.1	0.6	0.9	1.2	1.4	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.2	5.8	5.6	6.3	4.7	3.9	4.4	5.8	5.1	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	288	316	274	258	241	264	185	209	237	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.4	4.5	3.1	2.9	3.8	4.2	3.3	4.9	2.6	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-08-06 **Analysis Completion date :- 2025-09-04**

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			**2025-08-01**	**2025-08-05**	**2025-08-08**	**2025-08-11**	**2025-08-14**	**2025-08-18**	**2025-08-21**	**2025-08-25**	**2025-08-27**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.2	7.4	8.5	9.2	10.3	7.7	8.3	9.1	8.9	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.6	9.8	10.8	12.2	13.6	9.7	11.6	13.0	11.4	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	55.2	51.3	47.6	43.9	50.7	53.6	48.5	46.2	44.9	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	23.2	19.6	15.4	13.8	18.5	20.6	17.9	14.3	16.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.0	0.8	0.7	0.8	1.0	0.9	0.7	1.0	0.9	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.1	3.9	5.2	3.4	4.6	5.8	4.4	3.9	4.8	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	248	188	142	215	246	217	239	254	235	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.4	2.4	3.9	4.1	3.6	4.7	4.2	3.8	3.6	UV photometric method

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KORBA (C.G.)	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			**2025-09-02**	**2025-09-05**	**2025-09-08**	**2025-09-11**	**2025-09-16**	**2025-09-19**	**2025-09-23**	**2025-09-26**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.5	6.8	6.7	7.5	9.1	8.0	6.3	7.3	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.2	8.5	9.2	10.6	12.2	11.8	7.6	9.5	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	42.9	49.6	54.2	47.4	50.7	46.1	44.3	52.8	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	13.1	17.4	19.8	14.6	16.9	14.8	12.5	18.3	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.4	1.0	1.0	1.3	1.1	1.0	1.2	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.5	4.2	3.3	3.9	2.7	3.2	2.5	3.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	174	218	153	197	162	249	205	187	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.0	1.3	1.8	2.2	1.6	2.1	1.9	2.4	UV photometric method

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			**2025-09-02**	**2025-09-05**	**2025-09-08**	**2025-09-11**	**2025-09-16**	**2025-09-19**	**2025-09-23**	**2025-09-26**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	8.3	6.7	8.9	7.2	5.8	7.2	9.0	6.6	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.7	9.3	11.1	9.6	19.1	9.8	11.4	8.9	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	43.9	46.8	49.2	44.3	38.6	53.2	48.4	41.7	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	14.4	16.3	18.1	15.4	11.7	18.4	16.9	13.8	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	0.8	1.1	1.0	0.8	1.2	0.9	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.3	5.7	4.1	3.9	4.5	3.8	3.2	4.4	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	258	231	287	185	249	292	213	274	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.4	2.2	1.9	1.1	1.6	1.3	1.7	1.4	UV photometric method

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			2025-09-02	2025-09-05	2025-09-08	2025-09-11	2025-09-16	2025-09-19	2025-09-23	2025-09-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	7.5	6.5	8.2	7.9	6.4	8.4	6.9	7.2	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	9.8	8.3	11.2	10.5	8.6	10.8	9.2	10.1	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	42.9	37.4	47.8	51.9	56.9	45.4	49.2	52.6	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	12.4	10.8	13.6	15.8	19.7	13.9	15.4	17.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.9	1.3	1.0	0.8	1.0	1.3	0.8	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	2.7	4.7	3.3	3.9	5.6	4.2	4.8	3.5	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	225	264	218	259	252	173	237	194	NDIR Spectroscopy Method
Ozone	µg/m³	100	1.7	2.4	2.1	1.5	1.2	1.8	2.3	2.0	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			**2025-09-02**	**2025-09-05**	**2025-09-08**	**2025-09-11**	**2025-09-16**	**2025-09-19**	**2025-09-23**	**2025-09-26**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.3	11.2	10.6	8.1	10.2	9.6	7.3	10.4	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.6	12.9	12.1	10.5	12.4	11.6	8.9	12.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	53.9	46.8	49.2	52.9	55.7	45.3	47.1	51.5	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	18.9	14.6	16.1	19.7	21.3	13.8	17.5	19.3	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	0.9	1.1	1.4	1.0	1.2	1.1	0.8	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.7	3.2	4.8	2.6	3.9	4.1	2.5	3.3	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	264	229	169	218	294	257	196	213	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.5	2.1	1.9	1.6	3.2	2.7	2.4	3.3	UV photometric method

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	P.O. Date:	2022-06-29

AMBIENT AIR QUALITY MONITORING AT BHUJANG VILLAGE (CHOTIA 2)

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			2025-09-02	2025-09-05	2025-09-08	2025-09-11	2025-09-16	2025-09-19	2025-09-23	2025-09-26	Method
Sulphur Dioxide (SO_2)	µg/m³	80	6.5	8.1	6.1	5.6	7.3	6.7	8.6	7.3	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	8.7	10.4	9.3	8.1	10.6	11.4	10.9	9.7	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	39.6	53.7	35.2	47.2	50.9	44.9	37.8	48.5	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	12.9	17.6	10.9	16.4	18.7	14.7	11.3	17.7	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	0.8	1.0	0.7	0.9	1.1	0.8	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.6	5.4	4.7	4.2	3.7	5.5	4.1	4.9	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	258	231	319	226	164	228	194	279	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.7	1.3	1.7	1.4	2.5	2.1	1.9	2.6	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			**2025-09-02**	**2025-09-05**	**2025-09-08**	**2025-09-11**	**2025-09-16**	**2025-09-19**	**2025-09-23**	**2025-09-26**	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.9	9.2	8.8	6.4	9.1	7.3	6.4	8.2	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.6	11.3	10.7	9.1	11.5	9.8	8.9	10.4	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	52.8	47.4	50.9	48.6	54.1	43.7	51.6	49.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.3	14.6	17.6	15.9	17.9	13.4	16.9	15.1	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.3	1.0	0.9	0.9	0.7	1.0	0.9	1.1	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	4.2	2.8	4.5	3.6	3.2	5.8	3.4	3.7	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	318	287	149	182	238	317	274	249	NDIR Spectroscopy Method
Ozone	µg/m³	100	3.4	2.9	2.3	1.5	2.5	1.9	2.6	2.2	UV photometric method

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	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			2025-09-02	2025-09-05	2025-09-08	2025-09-11	2025-09-16	2025-09-19	2025-09-23	2025-09-26	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	7.6	6.2	5.9	10.2	9.7	7.5	8.2	6.5	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	10.2	8.7	8.3	12.4	11.6	10.2	11.4	9.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	49.4	53.1	45.8	48.3	51.7	56.4	50.9	46.3	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.3	21.7	16.1	15.9	18.4	20.5	18.3	17.2	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	1.2	0.8	1.0	0.9	1.1	1.0	1.3	1.0	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	3.7	5.2	4.8	4.2	3.9	2.4	5.3	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	195	273	308	183	179	234	206	229	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.9	3.4	3.0	2.7	1.4	2.5	3.6	3.2	UV photometric method

Dr. Subba Reddy Mallampati
Manager - Environment

ENVIRONMENTAL LABORATORY
REGD. No- DL 3300/99
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ISSUED TO:		
M/s. Bharat Aluminium Company Limited,	Report No.:	VLL/VLS/25-26/14073/008
KORBA (C.G.)	Issue Date:	2025-10-04
	P.O.No:	8500005780
	P.O. Date:	2022-06-29

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

Analysis starting date :- 2025-09-08 **Analysis Completion date :- 2025-10-03**

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			2025-09-02	2025-09-05	2025-09-08	2025-09-11	2025-09-16	2025-09-19	2025-09-23	2025-09-26	**Method**
Sulphur Dioxide (SO_2)	µg/m³	80	9.0	6.4	7.0	10.3	9.2	7.6	6.2	8.6	Improved West and Gaeke Method
Nitrogen Dioxide (NO_x)	µg/m³	80	11.4	8.9	9.3	12.5	11.7	9.3	8.8	10.8	Modified Jacob & Hochheiser Method
Particulate Matter (PM10)	µg/m³	100	53.7	47.4	43.1	51.9	45.4	49.3	56.1	48.2	Gravimetric Method
Particulate Matter (PM2.5)	µg/m³	60	19.4	15.6	13.4	17.8	15.8	14.6	18.4	15.9	Gravimetric Method
Ammonia (NH_3)	µg/m³	400	0.8	1.4	1.2	0.9	1.1	0.9	1.5	1.3	Indophenol Blue Method
Benzene (C_6H_6)	µg/m³	5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Benzo(a) Pyrene in particulate phase	ng/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Solvent Extraction followed by GC Analysis
Arsenic as As	ng/m³	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	AAS/ICP Method
Nickel as Ni	ng/m³	20	5.7	5.2	4.9	4.3	5.4	4.2	3.8	4.6	AAS/ICP Method
Lead as Pb	µg/m³	1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	AAS/ICP Method
Carbon Monoxide	µg/m³	2000	293	176	209	256	249	226	287	163	NDIR Spectroscopy Method
Ozone	µg/m³	100	2.7	3.5	3.2	2.9	2.2	3.4	2.8	3.1	UV photometric method

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Chhattisgarh

Report Number : **VLL/VLS/25-26/02532/002**
Issue Date : **2025-05-05**
P. O. No. : **8500005780**
P.O. Date : **2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-04-10
Analysis starting date : 2025-04-10
Sampling collection date: 2025-04-03
Analysis Completion date: 2025-04-25

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	6.82	7.23	7.14	7.36
2	Color	Hazen	1	2	1	2
3	Conductivity	µS/cm	180	240	168	275
4	TDS	mg/l	114	150	105	171
5	DO	mg/l	6.7	5.9	6.4	6.2
6	BOD	mg/l	2.3	3.2	1.7	2.1
7	COD	mg/l	12	16	8	10
8	Turbidity	NTU	2.3	6.7	4.3	5.6
9	Total Hardness as $CaCO_3$	mg/l	60	83	51	84
10	Total Alkalinity as CaCO3	mg/l	50	60	40	55
11	Calcium as Ca	mg/l	14.3	19.6	11.2	21.5
12	Magnesium as Mg	mg/l	5.8	8.3	5.5	7.4
13	Chlorides as Cl	mg/l	24.8	38.4	28.6	53.2
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	0.03	0.05	0.02	0.04
16	Sulphates as SO_4	mg/l	3.7	4.2	2.8	6.3
17	Fluorides as F	mg/l	0.084	0.154	0.127	0.162
18	Nitrates as NO_3	mg/l	0.8	1.6	0.7	1.4
19	Sodium as Na	mg/l	13.5	16.4	14.8	23.7
20	Potassium as K	mg/l	0.6	1.1	1	1.8
21	Total Boron as B	mg/l	0.027	0.038	0.043	0.063
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	<0.01	<0.01	<0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.032	0.074	0.058	0.047
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.06	0.21	0.097	0.11
33	Aluminum as Al	mg/l	0.03	0.05	0.03	0.06
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.76	0.78	0.91	1.12
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	260	310	150	290

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY
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REGD. No. DL-33004/99
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Report Number : **VLL/VLS/25-26/04458/002**
Issue Date : **2025-06-04**
P. O. No. : **8500005780**
P.O. Date : **2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-05-08
Analysis starting date : 2025-05-08
Sampling collection date: 2025-05-05
Analysis Completion date: 2025-05-26

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	7.05	7.31	7.28	7.47
2	Color	Hazen	<1	1	<1	1
3	Conductivity	µS/cm	155	252	145	265
4	TDS	mg/l	95	156	90	162
5	DO	mg/l	7.1	6.2	6.9	6.7
6	BOD	mg/l	2.1	4.3	1.3	2.6
7	COD	mg/l	10	20	6	15
8	Turbidity	NTU	1.4	4.7	3.2	6.3
9	Total Hardness as $CaCO_3$	mg/l	50	77	44	82
10	Total Alkalinity as CaCO3	mg/l	45	55	35	50
11	Calcium as Ca	mg/l	12.8	18.6	10.5	19.4
12	Magnesium as Mg	mg/l	4.6	7.5	4.3	8.4
13	Chlorides as Cl	mg/l	20.2	46.6	23.2	53.7
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	0.01	0.03	0.02	0.05
16	Sulphates as SO_4	mg/l	2.8	3.6	3.1	4.2
17	Fluorides as F	mg/l	0.173	0.211	0.164	0.198
18	Nitrates as NO_3	mg/l	0.6	1.3	1.1	2.4
19	Sodium as Na	mg/l	11.6	21.8	12.5	21.8
20	Potassium as K	mg/l	0.8	1.1	0.9	1.5
21	Total Boron as B	mg/l	0.019	0.056	0.028	0.089
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	<0.01	<0.01	<0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.024	0.13	0.047	0.098
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.04	0.32	0.065	0.23
33	Aluminum as Al	mg/l	0.02	0.04	0.02	0.08
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.71	1.08	0.82	1.04
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	190	280	160	320

-END OF THE REPORT-

Name and Designation of Authorized Signatory

Vimta VIMTA LABS REGD. NO- DL 33004/99 Sl. No.-5

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ISSUED TO:
M/s. Bharat Aluminum Company Limited
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Report Number	:	**VLL/VLS/25-26/06982/002**
Issue Date	:	**2025-07-05**
P. O. No.	:	**8500005780**
P.O. Date	:	**2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-06-10 Sampling collection date: 2025-06-03
Analysis starting date : 2025-06-10 Analysis Completion date: 2025-06-28

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD. LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	7.16	7.28	7.36	7.55
2	Color	Hazen	1	2	1	3
3	Conductivity	µS/cm	168	263	160	295
4	TDS	mg/l	107	165	102	180
5	DO	mg/l	6.9	6.5	7.2	6.8
6	BOD	mg/l	1.2	2.6	1.1	2.1
7	COD	mg/l	5.0	10.0	5.0	10.0
8	Turbidity	NTU	1.2	5.6	2.8	7.5
9	Total Hardness as $CaCO_3$	mg/l	57	78	48	95
10	Total Alkalinity as CaCO3	mg/l	50	55	40	60
11	Calcium as Ca	mg/l	13.7	20.5	11	21.8
12	Magnesium as Mg	mg/l	5.5	6.4	4.9	9.7
13	Chlorides as Cl	mg/l	21.7	49.3	25.4	56.7
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	<0.01	0.04	0.03	0.04
16	Sulphates as SO_4	mg/l	3.1	4.8	3.5	4.4
17	Fluorides as F	mg/l	0.082	0.178	0.154	0.231
18	Nitrates as NO_3	mg/l	0.4	2.7	1.5	1.9
19	Sodium as Na	mg/l	12.3	24.4	14.7	23.2
20	Potassium as K	mg/l	0.6	1.2	1.1	1.3
21	Total Boron as B	mg/l	0.015	0.043	0.036	0.074
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	<0.01	<0.01	<0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.015	0.26	0.054	0.17
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.03	0.17	0.043	0.53
33	Aluminum as Al	mg/l	0.01	0.03	0.02	0.12
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.71	1.21	0.93	1.04
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	70	90	80	90

-END OF THE REPORT-

Name and Designation of Authorized Signatory

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

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Chhattisgarh

Report Number : **VLL/VLS/25-26/09740/002**
Issue Date : **2025-08-05**
P. O. No. : **8500005780**
P.O. Date : **2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-07-07
Analysis starting date : 2025-07-07
Sampling collection date: 2025-07-02
Analysis Completion date: 2025-07-22

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	7.24	7.28	7.36	7.55
2	Color	Hazen	2	2	1	3
3	Conductivity	µS/cm	157	281	180	324
4	TDS	mg/l	101	171	114	192
5	DO	mg/l	6.2	6.4	6.5	7.1
6	BOD	mg/l	<3	<3	<3	<3
7	COD	mg/l	6.0	12.0	<5	12.0
8	Turbidity	NTU	1.5	5.9	3.4	8.2
9	Total Hardness as $CaCO_3$	mg/l	51	82	58	102
10	Total Alkalinity as CaCO3	mg/l	44	62	44	65
11	Calcium as Ca	mg/l	11.3	22.7	12	25.3
12	Magnesium as Mg	mg/l	5.1	7.6	5.4	9.1
13	Chlorides as Cl	mg/l	18.3	52.7	28.6	59.6
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	0.03	0.06	0.01	0.03
16	Sulphates as SO_4	mg/l	2.8	5.1	3.7	5.1
17	Fluorides as F	mg/l	0.071	0.137	0.137	0.314
18	Nitrates as NO_3	mg/l	0.3	2.9	1.6	2.7
19	Sodium as Na	mg/l	10.2	26.7	15.8	26.7
20	Potassium as K	mg/l	0.51	1.1	0.9	1
21	Total Boron as B	mg/l	0.012	0.032	0.028	0.061
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	<0.01	<0.01	<0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.018	0.31	0.061	0.27
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.04	0.19	0.041	0.55
33	Aluminum as Al	mg/l	0.02	0.04	0.03	0.09
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.67	1.17	0.89	1.12
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	180	290	250	350

-END OF THE REPORT-

Name and Designation of Authorized Signatory

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

Dr. Subba Reddy Mallampati
Manager - Environment

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ISSUED TO:
M/s. Bharat Aluminum Company Limited
BALCO
KORBA
Chhattisgarh

Report Number : **VLL/VLS/25-26/11867/002**
Issue Date : **2025-09-04**
P. O. No. : **8500005780**
P.O. Date : **2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-08-13
Analysis starting date : 2025-08-13
Sampling collection date: 2025-08-05
Analysis Completion date: 2025-08-25

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	6.95	7.11	6.87	7.19
2	Color	Hazen	1	3	2	4
3	Conductivity	µS/cm	130	215	137	235
4	TDS	mg/l	82	135	87	146
5	DO	mg/l	7.1	6.3	6.9	6.5
6	BOD	mg/l	1.1	2.4	1.2	2.2
7	COD	mg/l	5.0	10.0	5.0	10.0
8	Turbidity	NTU	1.7	4.8	2.6	5.3
9	Total Hardness as $CaCO_3$	mg/l	44	60	40	75
10	Total Alkalinity as CaCO3	mg/l	35	50	36	50
11	Calcium as Ca	mg/l	10.5	15.2	9.8	19.6
12	Magnesium as Mg	mg/l	4.2	5.3	3.7	6.5
13	Chlorides as Cl	mg/l	18.6	36.3	19.7	43.4
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	<0.01	0.02	0.04	0.03
16	Sulphates as SO_4	mg/l	2.9	4.3	3.2	4.3
17	Fluorides as F	mg/l	0.076	0.094	0.113	0.084
18	Nitrates as NO_3	mg/l	0.60	1.50	1.10	1.90
19	Sodium as Na	mg/l	9.7	21.3	12.8	18.6
20	Potassium as K	mg/l	0.3	0.9	0.7	1.1
21	Total Boron as B	mg/l	0.012	0.034	0.026	0.054
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	0.01	<0.01	0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.034	0.16	0.043	0.13
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.02	0.23	0.056	0.034
33	Aluminum as Al	mg/l	0.01	0.03	0.02	0.12
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.64	1.20	0.88	0.93
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	190	380	270	310

-END OF THE REPORT-

Name and Designation of Authorized Signatory

ENVIRONMENT LABORATORY Vimta VIMTA LABS REGD. No.-[illegible] Sr. No.-5

Vimta Labs Limited
Registered Office
142, IDA Phase II, Cherlapally
Hyderabad-500 051, Telangana, India
T : +91 40 2726 4141
F : +91 40 2726 3657

Vimta
Driven by Quality. Inspired by Science.

ISSUED TO:
M/s. Bharat Aluminum Company Limited
BALCO
KORBA
Chhattisgarh

Report Number : **VLL/VLS/25-26/14073/002**
Issue Date : **2025-10-04**
P. O. No. : **8500005780**
P.O. Date : **2022-06-29**

Sample Particulars: SURFACE WATER (CHOTIA MINES)

Sample Registration Date: 2025-09-09
Sampling collection date: 2025-09-04
Analysis starting date : 2025-09-09
Analysis Completion date: 2025-09-24

Sample collected at: SW1 (Chotia –I Nala Up stream, SW2 (Chotia-I) Nala Down Stream, SW3 (Chotia-II-Hasdeov river Downstream) and SW4 (Chotia- II-Hasdeov river Up Stream).

SAMPLES COLLECTED BY VIMTA LABS LTD.

LAB REF.: EC

TEST RESULTS

Sr.No.	Parameters	Unit	SW1	SW2	SW3	SW4
1	pH	-	6.92	7.32	6.75	7.23
2	Color	Hazen	1	4	3	3
3	Conductivity	µS/cm	115	183	125	244
4	TDS	mg/l	70	117	80	154
5	DO	mg/l	6.9	6.1	6.5	6.3
6	BOD	mg/l	0.65	1.73	0.74	2.21
7	COD	mg/l	4.3	6.4	4.1	9.6
8	Turbidity	NTU	1.3	3.7	2.3	4.6
9	Total Hardness as $CaCO_3$	mg/l	40	48	41	77
10	Total Alkalinity as CaCO3	mg/l	30	45	32	60
11	Calcium as Ca	mg/l	9.7	12.3	10.5	21.4
12	Magnesium as Mg	mg/l	3.6	4.2	3.5	5.8
13	Chlorides as Cl	mg/l	17.2	28.7	18.9	39.5
14	Residual free chlorine	mg/l	<0.2	<0.2	<0.2	<0.2
15	Phosphates as PO_4	mg/l	<0.01	0.01	0.03	0.02
16	Sulphates as SO_4	mg/l	2.10	3.70	2.40	3.60
17	Fluorides as F	mg/l	0.054	0.094	0.231	0.084
18	Nitrates as NO_3	mg/l	1.20	2.30	0.90	2.50
19	Sodium as Na	mg/l	8.4	19.6	9.8	19.7
20	Potassium as K	mg/l	0.2	0.7	0.5	1.2
21	Total Boron as B	mg/l	0.011	0.028	0.016	0.037
22	Phenolic Compounds	mg/l	<0.001	<0.001	<0.001	<0.001
23	Cyanides as CN	mg/l	<0.01	<0.01	<0.01	<0.01
24	Oil & grease	mg/l	<1.0	<1.0	<1.0	<1.0
25	Cadmium as Cd	mg/l	<0.003	<0.003	<0.003	<0.003
26	Arsenic as As	mg/l	<0.01	<0.01	<0.01	<0.01
27	Copper as Cu	mg/l	<0.01	0.01	<0.01	0.01
28	Lead as Pb	mg/l	<0.01	<0.01	<0.01	<0.01
29	Iron as Fe	mg/l	0.025	0.098	0.063	0.19
30	Chromium as Cr^{+6}	mg/l	<0.05	<0.05	<0.05	<0.05
31	Selenium as Se	mg/l	<0.01	<0.01	<0.01	<0.01
32	Zinc as Zn	mg/l	0.04	0.18	0.078	0.095
33	Aluminum as Al	mg/l	0.02	0.04	0.03	0.15
34	Mercury as Hg	mg/l	<0.001	<0.001	<0.001	<0.001
35	SAR	-	0.59	1.23	0.67	0.97
36	Insecticides	mg/l	Absent	Absent	Absent	Absent
37	Anionic detergents as MBAS	mg/l	Absent	Absent	Absent	Absent
38	Total Coliforms	MPN/100	160	290	270	380

-END OF THE REPORT-

Name and Designation of Authorized Signatory

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

Dr. Subba Reddy Mallampati
Manager - Environment

Annexure-VII

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

Balco/Cho/2018/RO/2018/ 07

Date: 11.10.2018

To

The Director,
Ministry of Environment, Forests and Climate Change,
Regional Office (WC2), Ground Floor,
East Wing, New Secretariat Building,
Civil Line, Nagpur – 440 001.

Sub: Intimation for commencement of Mining Operations at Chotia II Coal Captive Coal Mining Project of M/s Bharat Aluminium Company Limited

Ref: Environment Clearance issued by MoEF&CC vide no. J-11015/96/2004.IA.II (M) dated 18th July 2018.

Dear Sir,

Chotia II Captive Coal Mining Project of M/s Bharat Aluminium Company Limited has been granted Environment Clearance (EC) for 1.0 MTPA on 18th July 2018. Subsequent to the grant of EC by MoEF&CC, we had applied for various state and central Govt. approvals to start the mining operation at Chotia II Coal Mine.

We wish to inform your goodself that the requisite approvals have been obtained and the mining operation has been commenced from Chotia II Coal Mine on 10.10.2018. This is being submitted to comply with condition no. 4 (i) (ii) of EC issued on 18th July 2018.

Thanking You,

Yours sincerely

For Bharat Aluminium Company Limited

Tushar Sainger
Authorized Signatory

14/11/2018

Copy: Regional Officer, Chhattisgarh Environment Conservation Board, District Korba (CG)

C/C

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transforming elements

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

Balco/Coal Mines/2018/July/01 Date: Friday, 20 July, 2018

To,

1. Member Secretary,
   CECB, Raipur (C.G.)
2. Collector,
   Korba,
   District- Korba (C.G.)
3. Regional Office,
   CECB, Korba
   District Korba (C.G.)
4. General Manager
   District Industry and Business center,
   Korba (C.G.)
5. Tehsildar
   Tehsil Office, Podiuprodha
   District Korba, (C.G.)
6. Sarpanch
   Office of Sarpanch,
   Ghuchapur Panchayat,
   Podiuprodha, District Korba (C.G.)

Subject: Chotia II Captive Coal Mining Project of 1 MTPA of M/s Bharat Aluminium Company Limited (BALCO) in mine lease area of 316.826 Ha located in Salaigot Village, Tehsil Podiuprodha, District Korba (Chhattisgarh) - Environmental Clearance-reg.

Reference: Letter No. J-11015/96/2004-IA.II (M) from MOEF & CC, New Delhi Dated 18 July 2018.

Sir/Mam,

With reference to the above mentioned subject, this is to inform your good office that the Ministry of Environment, Forests & Climate Change (MOEF&CC), New Delhi, Government of India has accorded Environmental Clearance to M/s Bharat Aluminium Company Limited for proposed project Chotia II Captive Coal Mining Project for 1.0 MTPA in mine lease area of 316.826 ha located in Salaigot village, Tehsil Podiuprodha, District Korba Chhattisgarh. The copy of said letter is also enclosed for your kind reference.

Thanking You
Yours Sincerely

Tushar Sainger
Associate Manager
For Bharat Aluminium Company Limited

सरपंच
ग्राम पंचायत–घुंचापुर
वि.ख.–पोंड़ी उपरोड़ा
जिला–कोरबा (छ.ग.)
20/07/18

Enclosed: - As mentioned above.

Annexure-2

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

Balco/Coal Mines/2018/July/01

Date: Friday, 20 July, 2018

To,

1. Member Secretary
CECB, Raipur (C.G.)
2. Collector,
Korba,
District: Korba (C.G.)
3. Regional Office,
CECB, Korba
District Korba (C.G.)
4. General Manager
District Industry and Business center,
Korba (C.G.)
5. Tehsildar
Tehsil Office, Podiuprodha
District Korba. (C.G.)
6. Sarpanch
Office of Sarpanch,
Chuchapur Panchayat,
Podiuprodha, District Korba (C.G.)

Subject: Chotia II Captive Coal Mining Project of 1 MTPA of M/s Bharat Aluminium Company Limited (BALCO) in mine lease area of 316.876 Ha located in Salaigot Village, Tehsil Podiuprodha, District Korba (Chhattisgarh) - Environmental Clearance-reg.

Reference: Letter No. J-11015/96/2004-IA II (M) from MOEF & CC, New Delhi Dated 18 July 2018

Sir/Mam,

With reference to the above mentioned subject, this is to inform your good office that the Ministry of Environment, Forests & Climate Change (MOEF&CC), New Delhi, Government of India has accorded Environmental Clearance to M/s Bharat Aluminium Company Limited for proposed project Chotia –II Captive Coal Mining Project for 1.0 MTPA in mine lease area of 316.876 ha located in Salaigot village, Tehsil Podiuprodha, District Korba Chhattisgarh. The copy of said letter is also enclosed for your kind reference.

Thanking You
Yours Sincerely

Tushar Samger
Associate Manager
For Bharat Aluminium Company Limited

Enclosed: As mentioned above

Annexure – 3, 4 & 5

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

Balco/Coal Mines/2018/July/01

Date: Friday, 20 July, 2018

To,

1. Member Secretary,
   CECB, Raipur (C.G.)
2. Collector,
   Korba,
   District- Korba (C.G.)
3. Regional Office,
   CECB, Korba
   District Korba (C.G.)
4. General Manager
   District Industry and Business center,
   Korba (C.G.)
5. Tehsildar
   Tehsil Office, Podiuprodha
   District Korba, (C.G.)
6. Sarpanch
   Office of Sarpanch,
   Ghuchapur Panchayat,
   Podiuprodha, District Korba (C.G.)

Subject: Chotia II Captive Coal Mining Project of 1 MTPA of M/s Bharat Aluminium Company Limited (BALCO) in mine lease area of 316.826 Ha located in Salaigot Village, Tehsil Podiuprodha, District Korba (Chhattisgarh) - Environmental Clearance-reg.

Reference: Letter No J-11015/96/2004-IA II (M) from MOEF & CC, New Delhi Dated 18 July 2018

Sir/Mam,

With reference to the above mentioned subject, this is to inform your good office that the Ministry of Environment, Forests & Climate Change (MOEF&CC), New Delhi, Government of India has accorded Environmental Clearance to M/s Bharat Aluminium Company Limited for proposed project Chotia –II Captive Coal Mining Project for 1.0 MTPA in mine lease area of 316.826 ha located in Salaigot village, Tehsil Podiuprodha, District Korba Chhattisgarh. The copy of said letter is also enclosed for your kind reference.

Thanking You
Yours Sincerely

Tushar Sainger
Associate Manager
For Bharat Aluminium Company Limited

Enclosed: - As mentioned above.

Annexure – 6

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transforming elements

balco | BHARAT ALUMINIUM COMPANY LIMITED
P.O. - BALCO Nagar, Korba, CG
India 496684

Balco/Coal Mines/2018/July/01

Date: Friday, 20 July, 2018

To,

1. Member Secretary,
   CECB, Raipur (C.G.)
2. Collector,
   Korba,
   District- Korba (C.G.)
3. Regional Office,
   CECB, Korba
   District Korba (C.G.)
4. General Manager
   District Industry and Business center,
   Korba (C.G.)
5. Tehsildar
   Tehsil Office, Podiuprodha
   District Korba, (C.G.)
6. Sarpanch
   Office of Sarpanch,
   Ghuchapur Panchayat,
   Podiuprodha, District Korba (C.G.)

Subject: Chotia II Captive Coal Mining Project of 1 MTPA of M/s Bharat Aluminium Company Limited (BALCO) in mine lease area of 316.826 Ha located in Salaigot Village, Tehsil Podiuprodha, District Korba (Chhattisgarh) - Environmental Clearance-reg.

Reference: Letter No. J-11015/96/2004-IA.II (M) from MOEF & CC, New Delhi Dated 18 July 2018.

Sir/Mam,

With reference to the above mentioned subject, this is to inform your good office that the Ministry of Environment, Forests & Climate Change (MOEF&CC), New Delhi, Government of India has accorded Environmental Clearance to M/s Bharat Aluminium Company Limited for proposed project Chotia –II Captive Coal Mining Project for 1.0 MTPA in mine lease area of 316.826 ha located in Salaigot village, Tehsil Podiuprodha, District Korba Chhattisgarh. The copy of said letter is also enclosed for your kind reference.

Thanking You
Yours Sincerely

Tushar Sainger
Associate Manager
For Bharat Aluminium Company Limited

Enclosed:- As mentioned above.