

Apur/Air/R/Aug 2017/1126/05/8/2017



## REGIONAL OFFICE

## CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Bank Colony, Behind B.T.I., Nawapara, Ambikapur (C.G.) Fax/Phone 07774-231936

No. 836 /RO/TS/CECB/2017

Ambikapur, Dt. 05/8/2017

To,

M/s Hindalco Industries Limited,  
(Tatijharia Bauxite Mine)  
Village- Tatijharia & Betapani,  
Tehsil - Samri,  
District - Balrampur-Ramanujanj (C.G.)

Subject: Renewal of consent of the board under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

Ref.: Your online application no. 486867 dated 21/07/2017 and subsequent correspondence ending dated 04/08/2017.

With reference to your above, application consent and license are hereby renewed for a period from 20/05/2018 to 30/11/2022 with the terms and conditions incorporated in the consent issued by Board Office letter No. 6886/TS/CECB/2007, Raipur, dated 24/12/2007, subsequent renewal of consent issued by Board and additional condition mentioned below:-

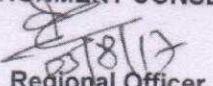
NAME	PRODUCTION CAPACITY
Mining of Bauxite Ore	4.0 Lakhs T./Annum (Four Lakhs Tonnes Per Annum)

**Additional Conditions:**

- The Industry shall operate & maintain the air pollution control system effectively & regularly. Effective steps shall be taken to control fugitive dust emission. Fixed type automatic water sprinkling system shall be installed at haul roads/other roads, ore stock yard etc. Dust suppression system (water sprinkling arrangement) shall be made more effective to ensure ambient air quality within prescribed limit in and around the mine area all the time.
- Regular monitoring for the measurement of air pollutants level in ambient shall be carried out. Industry shall submit air quality monitoring reports to the Board regularly.
- Industry shall ensure safe and scientific arrangement for disposal of all solid wastes. Excavated area shall be reclaimed scientifically.
- All internal roads shall be made pucca & shall be maintained properly. Dust, muck & sludge generated due to transportation on the road shall be cleaned and disposed off properly. Industry shall maintain good house keeping within mine lease area. Industry shall ensure the transportation of ore in duly covered vehicles.
- Industry shall use fly ash brick, fly ash blocks or fly ash based products in their construction/repairing activities.
- Wide green belt of broad leaf local species shall be developed along the mine lease area. As far as possible maximum area of open spaces shall be utilized for plantation purposes.
- Industry shall submit Environment statement to the Board as per provision of Environmental (Protection) Amendment Rule, 1993 for the previous year ending 31<sup>st</sup> March on or before 30<sup>th</sup> September every year.
- Chhattisgarh Environment Conservation Board reserves the rights to revoke the Consent at any time for any violation/non-compliance.

Please acknowledge the receipt of this letter.

For and on behalf of  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

  
Regional Officer,

Chhattisgarh Environment Conservation Board,  
Ambikapur

Hindalco Industries Ltd.  
Samri Mines Division  
Distt. Balrampur (C.G.)

Date: 12/8/17

Received by: 

  
Agent of Mines  
Samri Mines Division  
Hindalco Industries Ltd

Apur/water/R/ Aug 2017/ 1126/05/8/2017



## REGIONAL OFFICE

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Bank Colony, Behind B.T.I., Nawapara, Ambikapur (C.G.) Fax/Phone 07774-231936

No. 83STRO/TS/CECB/2017

Ambikapur, Dt. 05/8/2017

To,

M/s Hindalco Industries Limited,  
(Tatijharia Bauxite Mine)  
Village- Tatijharia & Betapani,  
Tehsil - Samri,  
District - Balrampur-Ramanujanj (C.G.)

Subject : Renewal of consent of the board under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.  
Ref. : Your online application no. 486867 dated 21/07/2017 and subsequent correspondence ending dated 04/08/2017.

With reference to your above, application consent and license are hereby renewed for a period from 20/05/2018 to 30/11/2022 with the terms and conditions incorporated in the consent issued by Board Office letter No. 6884/TS/CECB/2007, Raipur, dated 24/12/2007, subsequent renewal of consent issued by Board and additional condition mentioned below:-

NAME	PRODUCTION CAPACITY
Mining of Bauxite Ore	4.0 Lakhs T./Annum (Four Lakhs Tonnes Per Annum)

### Additional Conditions:

1. Industry shall operate and maintain the effluent treatment system effectively and regularly. Industry shall ensure treated effluent quality within the standards prescribed by Board published in Gazette Notification dated 25.03.1988. Treated effluent shall be used for dust suppression, domestic use, irrigation, other useful purposes etc. Industry shall not discharge any treated/untreated effluent into the river or any other surface water bodies. No effluent shall be discharged outside of the mine premises in any circumstances; hence zero discharge condition shall be maintained all the time; failing which, this renewal of consent may be cancelled.
2. Industry shall ensure safe and scientific arrangement for disposal of all solid wastes. Excavated area shall be reclaimed scientifically.
3. All internal roads shall be made pucca & shall be maintained properly. Dust, muck & sludge generated due to transportation on the road shall be cleaned and disposed off properly. Industry shall maintain good house keeping within mine lease area. Industry shall ensure the transportation of ore in duly covered vehicles.
4. Industry shall use fly ash brick, fly ash blocks or fly ash based products in their construction/repairing activities.
5. Industry shall submit monitoring report of effluent regularly.
6. Wide green belt of broad leaf local species shall be developed along the mine lease area. As far as possible maximum area of open spaces shall be utilized for plantation purposes.
7. Provision of water harvesting system should be provided in the industry premises.
8. Industry shall submit Environment statement to the Board as per provision of Environmental (Protection) Amendment Rule, 1993 for the previous year ending 31<sup>st</sup> March on or before 30<sup>th</sup> September every year.
9. Chhattisgarh Environment Conservation Board reserves the rights to revoke the Consent at any time for any violation/non-compliance.

Please acknowledge the receipt of this letter.

For and on behalf of  
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

05/8/17  
Regional Officer

Chhattisgarh Environment Conservation Board,  
Ambikapur

Hindalco Industries Ltd.  
Samri Mines Division  
Distt. Balrampur (C.G.)

Date: 7/8/17 (124)

Received by:

Agent of Mines  
Samri Mines Division

Lease wise Production 2020-21 (From October 2020 to March 2021)

Lease	Production (MT)
Samri	143950
Kudag	10300
Tatijharia	153800
<b>Total</b>	<b>308050</b>

  
**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd.

Hindalco Industries Ltd.  
Mines Division, Samri

Annexure -V

Lese wise Mined out & Reclamation Area from October 2020 to March 2021

Lease	Mined Out Area (Hact.)	Reclaimed Area (Hact.)	Afforestation	
			No. of Sapling	Area (Hact.)
Samri	4.784	9.407	0	0
Kudag	0.553	0	0	0
Tatijharia	5.686	10.072	5000	2.00
<b>Total</b>	<b>11.023</b>	<b>19.479</b>	<b>5000</b>	<b>2.00</b>

  
**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd

**Annexure-VI**

**Actual Expenditure incurred in Environment Management Plan:-**

Total cost incurred for protection of environment in Samri, Tatijharia & Kudag Bauxite mine of Hindalco Industries Ltd. of Chhattisgarh state during the Second half period of F.Y. 2020-21 (October 2020 to March 2021).

S.No.	Environmental Protection measure	Actual Cost (Lac) F.Y. 2020-21 (October 2020 to March 2021)
1	Environment Monitoring	14.42
2	Green Belt	11.84
3	Occupational Health monitoring	2.10
4	Reclamation/ Rehabilitation on mined out area (Samri- 9.407 Ha. Kudag – 0 Ha. Tatijharia- 10.072 Ha. Total – 19.479 Ha.)	58.437
<b>Total</b>		<b>86.797</b>

- Environment monitoring jobs has been out sourced to Anacon Lab, recognized by MoEF (GOI) & NABL etc.
- One centralized nursery has been established at Samri mines for, Samri, Tatijharia & Kudag lease.
- Reclamation of mined out land has been out sourced along with production. Average cost of reclamation considered @ 3.00 Lac per ha.

  
**Agent of Mines**  
Samri Mines Division  
Hindalco Industries Ltd

क्षेत्रीय निदेशक  
उत्तर पूर्वी क्षेत्रीय क्षेत्र  
Regional Director  
North Central Chhattisgarh Region



भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग  
Government of India  
Central Ground Water Authority  
Ministry of Water Resources, River Development  
& Ganga Rejuvenation

### NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name	Tatjana Bauxite Mine Of M/s Hindalco Industries Limited		
Project Address	Village-Tatjana		
Village	Tatjana	Block:	Kuam
District	Barampur	State:	Chhattisgarh
Pin Code			
Communication Address	Hindalco Industries Limited, Smti Moses Division, Baba Chowk, At Post-Kuam, Chhattisgarh, Barampur, Kuam, Pin Code-497234		
Address of COWB Regional Office	Central Ground Water Board, North Central Chhattisgarh Region		

1. NOC No.:	CGWANOC/MIN/ORIG/2018/5012	3. Category:	Mining
2. Application No.:	21-4/1434/CT/MNV/2018	5. NOC Type:	New
4. Project Status:	Existing Project	7. Valid up to:	27/03/2021
6. Valid from:	28/03/2018		

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year
5.00	1850.00					5.00	1850.00

9. Details of ground water abstraction /Dewatering structures

Total Existing No. :5						Total Proposed No. :9				
Div	DCB	BW	TW	MP	DW	DCB	BW	TW	MP	
<small>DCB- Dig Well DCB-Dug cum-Bore Well BW-Bore Well TW-Tube Well MP-Mine Pit DW-Deep Pit DMLR-Digital Water Level Recorder</small>										
10. Quantity of ground water recharge(m <sup>3</sup> /year):						3320951.00				

(Compliance Conditions given overleaf)

*Prasad*  
.. 12/4/19

(Authorised Officer)  
COWA

2<sup>nd</sup> Floor, LK Concretex & Logistic Park, Near Border Village Bhu Patal Wholesale Market, Dhantari Road, Dumatara, Raipur - 492015  
क्षेत्रीय क्षेत्र, पिन कोड - 492015 राज्य अधिकाधिकरण कार्यालय, उत्तर पूर्वी क्षेत्र, राष्ट्रीय जल संसाधन, नदी विकास और गंगा संरक्षण विभाग, रायपुर - 492 015 (भ.प्र.)

Email : cowa-noc@vsnl.com  
संरक्षित जल - सुरक्षित जीवन  
CONSERVE WATER - SAVE LIFE


*Ushant*

Agent of Mines  
Sami Mines Division  
Hindalco Industries Ltd

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

- 1) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 2) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 3) All ground water abstraction/ de-watering structures shall be fitted with digital water flow meters by the firm at its own cost. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director on annual basis.
- 4) In case the ground water abstraction is more than 10 m<sup>3</sup>/day, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWA. Whenever groundwater withdrawal is more than 500 m<sup>3</sup>/day, the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWA.
- 5) In case ground water abstraction is more than 10 m<sup>3</sup>/day, ground water quality shall be monitored once in a year (during pre-monsoon period) and the report submitted to the Regional Office, CGWA.
- 6) Ground water augmentation measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the concerned Regional Director, CGWA.
- 7) Pond of recharge water harvesting (photographs of structures constructed) shall be submitted to the concerned Regional Director, CGWA. The firm shall also undertake periodic maintenance of recharge structures at its own cost.
- 8) The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
- 9) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises (upon which the firm shall be responsible for any consequences arising thereon).
- 10) In case of industries likely to contaminate the ground water, no recharge measure shall be taken up by the firm inside the plant premises. The runoff generated from the roof-top shall be stored and put to beneficial use by the firm.
- 11) Whenever the NOC is for abstraction of saline water and the existing wells (s) is/are yielding fresh water, the same shall be sealed and new tubewells tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 12) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWA for ground water level monitoring four (4) times a year (January, May, August and November) in zone as well as buffer zones of the mine.
- 13) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 14) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 15) This NOC is subject to prevailing Central/State Government rules/laws/Orders or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.
- 16) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 17) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Both authorities would consider the project on merits and take decisions independently of the NOC.
- 18) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/Judicial orders in cases related to ground water or any other related matters.
- 19) Application for renewal can be submitted online from 90 days before the expiry of NOC. Application for renewal of expired NOCs shall not be entertained and subsequent ground water withdrawal, if any, shall be illegal & liable for legal action as per provisions of Environment Protection Act (EPA), 1986.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

  
(Authorized Officer)  
CGWA

  
Agent of Mines  
Samn Mines Division  
Hindalco Industries Ltd