

Apu/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 31st March on or before 30th 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: 7/8/17

Received by

Agent of Mines
Samri Mines Division

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. 83570/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 31st March on or before 30th 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

Regional Officer

Chhattisgarh Environment Conservation Board,
Ambikapur

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

Date 31/8/17

Received by

Agent of Mine

HINDALCO INDUSTRIES LIMITED
MINES DIVISION SAMRI

ANNEXURE-IV

Lease-Wise Production & Afforestation Details – 2021-22
(From April'21 to Sept.'21)

<i>Lease</i>	<i>Production (MT)</i>	<i>No. of Saplings</i>	<i>Area of Plantation (Ha.)</i>
Samri	1,73,400	50,622	13.349
Tatijharia	1,69,950	32,794	11.557
Kudag	29,350	5,700	1.604
Total	3,72,700	89,116	26.51


Agent of Mines
Samri Mines Division
Hindalco Industries Ltd

**HINDALCO INDUSTRIES LIMITED
MINES DIVISION SAMRI**

ANNEXURE-V

Lease-Wise Mined out & Reclaimed Area – 2021-22
(From April'21 to Sept.'21)

<i>Lease</i>	<i>Mined out Area (Ha.)</i>	<i>Reclaimed Area (Ha.)</i>
Samri	6.553	2.831
Tatijharia	6.935	1.594
Kudag	1.125	0.322
Total	14.613	4.747


Agent of Mines
Samri Mines Division
Hindalco Industries Ltd

HINDALCO INDUSTRIES LIMITED
MINES DIVISION SAMRI

ANNEXURE-VI

Actual Expenditure incurred in Environment Management Plan:-
(From April'21 to Sept.'21)

Total cost incurred for protection of environment in Samri, Tatijharia & Kudag Bauxite mine of Hindalco Industries Ltd. of Chhattisgarh state during the First half - period of F.Y. 2021-22 (April'21 to Sept'21) is as follows:

S.No.	Environmental Protection Measure	Actual Cost (Lac) FY:2021-22 (Apr.'21 – Sept.'21)
1	Environment Monitoring	3.17
2	Green Belt	4.5
3	Occupational Health Monitoring	3.10
4	Reclamation/Rehabilitation on Mined out Area (Samri – 2.831 Ha., Tatijharia – 1.594 Ha., Kudag – 0.322 Ha., Total – 4.747 Ha.)	14.241
	TOTAL	25.011

- Environment monitoring jobs has been out sourced to Annacon 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



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

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Tatijharia Bauxite Mine Of M/s Hindalco Industries Limited		
Project Address:	Village-tatijharia		
Village:	Tatijhariya	Block:	Kusmi
District:	Balrampur	State:	Chhattisgarh
Pin Code:			
Communication Address:	Hindalco Industries Limited, Samri Mines Division, Baba Chowk., At Post-kusmi, Kusmi, Balrampur, Chhattisgarh - 497224		
Address of CGWB Regional Office :	Central Ground Water Board North Central Chhattisgarh, 2nd Floor, Lk Corporate And Logistic Park, Dhamtari Road, Nh-30, Dumartarai, Raipur, Chhattisgarh - 492015		

1. NOC No.:	CGWA/NOC/MIN/REN/1/2021/6173											
2. Application No.:	21-4/1434/CT/MIN/2018	3. Category: (GWRE 2017)	Safe									
4. Project Status:	Existing With Additional Ground Water Requirement	5. NOC Type:	Renewal									
6. Valid from:	28/03/2021	7. Valid up to:	27/03/2023									
8. Ground Water Abstraction Permitted:												
	Fresh Water		Saline Water									
	Dewatering		Total									
	m ³ /day	m ³ /year	m ³ /day									
	m ³ /day	m ³ /year	m ³ /day									
	5.00	1550.00										
9. Details of ground water abstraction /Dewatering structures												
	Total Existing No.:5						Total Proposed No.:1					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	1	4	0	0	0	0	1	0	0	0
*DW- Dug Well, DCB-Dug-cum-Bore Well, BW-Bore Well, TW-Tube Well, MP-Mine Pit,MPu-Mine Pumps												
10. Ground Water Abstraction/Restoration Charges paid (Rs.):							1238.00					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

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

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analyzed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³ /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/dischage of effluents or any such matter as applicable.

General conditions:

- 11) 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).
- 12) 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).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises falling which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever 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 tubewell(s) 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.
- 18) 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.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 15 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 90 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/Court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCQ list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

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


Agent of Mines
Bamni Mines Division
Hindalco Industries Ltd