



## JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-8020044/2020/1615

Dated : 2020-09-30

### Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2020-09-14 of Hindalco Industries Ltd, Occupier Name :Rajiv Kumar for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

#### 2. Documents Relied Upon:

(a) The content of Consent-to-Operate (CTO), vide Ref. No. JSPCB/HO/RNC/CTO-2695701/2018/1523 dated 28.09.2018 for production of Coal-0.80 MTPA for the period upto 30.09.2020.

(b) The content of Previous HWA no. JSPCB/RO/RNC/HWM-1712836/2018/5 dated 13/08/2018 valid for five years;

(c) The content of transferred Environmental Clearance (EC), vide ref. no. J-11015/61/2006-I(A)-II.(M), dated. 16.04.2015.

(d) The content of Registered mining lease deed no. 4686/4593/2016 dated 07.10.2016 of mentioned mauza, Govt. land-67.12 Ha., Private Land-492.72 Ha. valid for thirty years;

(e) The content of Inspection Report (IR), vide Ref. No. Nil, dated 20.08.2020.

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Batsara , P S -Batsara , District -PALAMU , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To
Before Expansion	As per RC	As per RC	360 Cr. (2016) (As per application form)	Coal - 0.80 MTPA (As per EC)	30/09/2021

#### (A) Specific Conditions:

1. That, the occupier shall not exceed the annual production as granted in the Environmental Clearance (EC) by MOEF, Govt. of India and submit six monthly production figure duly certified by the Dist. Mining Officer, Ranchi.
2. That, the occupier shall reclaim the mined out area and plantation should be done at the reclaimed site.
3. That, the occupier shall ensure that no transport vehicle should move on road without covering the materials.
4. That, the occupier shall dump OB at least 100 mtr. away from river/water body etc.
5. That, the occupier shall construct and maintain the toe wall, garland drain all along the OB dump followed by settling pond and shall do its de-silting regularly.
6. That, the occupier shall do sprinkling of water time to time on haul roads and dusty areas.
7. That, the over burden dump shall be made in accordance with conditions imposed in Environmental Clearance. Retaining wall shall be provided at the toe of over burden dump to check run off.
8. That, the occupier shall provide Sewage Treatment Plant for colony and Effluent Treatment Plant for Workshop.
9. That, the occupier shall submit the photographs of reservoir and other structure like check dam, gully plugging, silt retention ponds and other measure taken for water conservation.
10. That, the occupier shall install fixed type water sprinklers that may sprinkle water intermittently.
11. That, the occupier shall furnished a detailed A/C of R&R activities.
12. That, the occupier shall obtain recognition from State Board for their Centralized Env. Lab for the Groups.
13. That the unit will carry mining operation only on NON- FOREST area as per the order of the Hon' High Court in WP( C ) No- 6046 of 2017 dated 13/10/2017.
14. That, the occupier shall make arrangement to control fugitive emission occurring during mining activities, movement of vehicles on haul road as well as transport road.
15. That, the occupier shall comply all the conditions imposed in Environmental Clearance issued by MOEF, Govt. of India within the consent period.
16. That, the occupier shall operate & maintain Effluent Treatment Plant and shall submit its photographs.
17. That, the occupier shall submit photographs of over burdens, their toe walls, garland drains and present systems of water sprinkling.

18. That, the occupier shall submit online applications for renewal of consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 30.09.2021, with requisite fee and documents showing compliance of all of the above conditions.

**(B) General Conditions :**

- (1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub> , µg/m <sup>3</sup>	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual 24 hours	40 60	40 60
5.	Ozone(O <sub>3</sub> ), µg/m <sup>3</sup>	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m <sup>3</sup>	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m <sup>3</sup>	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Annual 24 hours	100 400	100 400
9.	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m <sup>3</sup>	Annual	01	01
11.	Arsenic (As) ng/m <sup>3</sup>	Annual	06	06
12.	Nickel (Ni) ng/m <sup>3</sup>	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory  
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm <sup>3</sup>

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/ L
4	Oil & Grease	10 mg/ L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral
3	Hazardous Non-Carbonaceous Wastes	In TSDF

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

**This is issued with the approval of the Competent authority**

RAJEEV  
LOCHAN  
BAKSHI  
**(Rajeev Lochan Bakshi)**  
Member Secretary

Digitally signed by  
RAJEEV LOCHAN  
BAKSHI  
Date: 2020.09.30  
14:35:28 +05'30'

Memo No. : JSPCB/HO/RNC/CTO-  
8020044/2020/1615

Dated : 2020-09-30

**Copy to:** M/s. Kathautia Open Cast Coal Mines of Hindalco Industries Ltd., At+P.O-Naudiha, Palamau-822123, Jharkhand/ Director of Industries, Govt. of Jharkhand, Ranchi/ Director of Mines, Govt. of Jharkhand, Ranchi/ Chief Inspector of Factories, Ranchi/ Deputy Commissioner, Palamau/ DFO, Palamau/ DMO, Palamau/ R.O., Ranchi for information & necessary action.

RAJEEV  
LOCHAN  
BAKSHI  
**(Rajeev Lochan Bakshi)**  
Member Secretary

Digitally signed by  
RAJEEV LOCHAN  
BAKSHI  
Date: 2020.09.30  
14:35:59 +05'30'