



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Commercial Complex, Housing Board Colony,
Kabir Nagar, Raipur (C.G.)

No. 6422/TS/CECB/2015
 To,

Raipur, dated: 3/1/2015

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

Recd.
15.1.15.

- Sub: - Renewal of consent of the Board under section 21 of the Air (Prevention and Control of Pollution) Act, 1981.
- Ref: - 1. Consent of the Board issued under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 6882/TS/CECB/2007 Raipur, dated: 24/12/2007.
2. Last renewal of consent of the Board issued under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 5701/TS/CECB/2014 Raipur, dated: 10/03/2014.
3. Your application letter no. HIL/SAM/CECB/123/2015/K, Dated: 23/07/2014 and subsequent correspondence ending dated: 23/09/2014

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With reference to your above application, consent is hereby renewed for a period of two years i.e. from 01/12/2014 to 30/11/2016, subject to the fulfillment of the terms and conditions incorporated in the consent letter no. 6884/TS/CECB/2007 Raipur, dated: 24/12/2007, subsequent renewal of consent issue by Board and additional conditions mentioned below.

This renewal of consent is valid for production capacity of:-

Name	Production Capacity
Mining of Bauxite Ore	0.6 Lakhas Tonnes Per Year [Zero Point Six Lakhs Tonnes Per Year]

Additional Conditions

1. Industry shall operate and maintain the air pollution control system effectively and regularly. Effective steps shall be taken to control fugitive dust emission. Fixed type automatic water sprinkling system shall be installed at haul road / 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. Industry shall maintain the ambient air quality within prescribed limit in and around the mine area all the time. Chhattisgarh Environment Conservation Board may further

- stipulate stringent particulate matter emission limit depending upon environmental conditions.
2. Regular monitoring for the measurement of air pollutants level in ambient shall be carried out. Industry shall submit ambient air quality monitoring reports to the Board regularly every month.
 3. Industry shall ensure safe and scientific arrangement for disposal of all solid wastes.
 4. All internal roads shall be maintained properly. Dust muck and sludge generated due to transportation on the roads shall be cleaned and disposed off properly. Industry shall improve housekeeping within mine lease area. Industry shall ensure the transportation of ore in duly covered vehicles.
 5. Industry shall use fly ash brick, fly ash blocks or fly ash based products in their construction/repairing activities.
 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. Extensive tree plantation shall be carried out in this year including plantation in over burden area.
 7. Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.

Please acknowledge the receipt of this letter.

For & on behalf of
Chhattisgarh Environment Conservation Board Raipur (C.G.)


Member Secretary

Chhattisgarh Environment Conservation Board
Raipur (C.G.)

Raipur, dated: ___ / ___ / 2015

Endt. No. /TS/CECB/2015

Copy to: -

Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Ambikapur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.


Member Secretary

Chhattisgarh Environment Conservation Board
Raipur (C.G.)



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Commercial Complex, Housing Board Colony,
Kabir Nagar, Raipur (C.G.)

No 6420 /TS/CECB/2015

Raipur, dated: 3/1/2015

To,

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

Recd.
[Signature]
15.1.15

Sub: - Renewal of consent of the Board under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974.

- Ref: - 1. Consent of the Board issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974. vide letter no. 6880/TS/CECB/2007 Raipur, dated: 24/12/2007.
2. Last renewal of consent of the Board issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 5699/TS/CECB/2014 Raipur, dated: 10/03/2014.
3. Your application letter no. HIL/SAM/CECB/123/2015/K, Dated: 23/07/2014 and subsequent correspondence ending dated: 23/09/2014.

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With reference to your above application, consent is hereby renewed for a period of two years from 01/12/2014 to 30/11/2016, subject to the fulfillment of the terms and conditions incorporated in the consent letter no. 6880/TS/CECB/2007 Raipur, dated: 24/12/2007, subsequent renewal of consent issue by Board and additional conditions mentioned below.

This renewal of consent is valid for production capacity of:-

Name	Production Capacity
Mining of Bauxite Ore	0.6 Lakhas Tonnes Per Year [Zero Point Six Lakhs Tonnes Per Year]


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 in to the river or any 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.

3. All internal roads shall be maintained properly. Dust muck and sludge generated due to transportation on the roads shall be cleaned and disposed off properly. Industry shall improve housekeeping 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 adopt rainwater-harvesting technique in the project area and residential area (if any) for recharge of ground water.
6. Garland drains with appropriate check dams shall be provided all along the raw ore storage areas, over burden storage area etc. to avoid any possibility of erosion during rain.
7. Industry shall submit monitoring report of effluent regularly.
8. 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. Extensive tree plantation shall be carried out in this year including plantation in over burden area.
9. Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.

Please acknowledge the receipt of this letter.

For & on behalf of
Chhattisgarh Environment Conservation Board Raipur (C.G.)



Member Secretary
Chhattisgarh Environment Conservation Board
Raipur (C.G.)

Endt. No. /TS/CECB/2015

Raipur, dated: ___ / ___ /2015

Copy to: -

- 1- Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Ambikapur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.
- 2- Cess Section, Chhattisgarh Environment Conservation Board, Raipur (C.G.).


Member Secretary
Chhattisgarh Environment Conservation Board
Raipur (C.G.)

Hindalco Industries Ltd.
Mines Division, Samri

Lease wise Production 2015-16

Lease	Production (MT)
Samri	411399.000
Kudag	49372.000
Tatijharia	365945.000
Total	826716.000


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

Hindalco Industries Ltd.
Mines Division, Samri

Lease wise Details 2016-17 (Up to September 2016)

Lease	Mined Out Area (Hact.)	Reclaimed Area (Hact.)	Nos. of Sapling	Area of Sapling (Hact.)
Samri	6.861	4.215	9110	3.700
Kudag	1.593	0.500	4390	2.800
Tatijharia	5.541	2.880	5950	2.400
Total	13.995	7.595	19450	8.900


Agent of Mines
Samri Mines Division
Hindalco Industries Ltd

Actual Expenditure incurred in Environment Management Plan:-

Total cost 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. 2016-17 (Apr 16- Sep-16).

SI No-	Environment Protection Measures	Actual Cost (Lac) (F.Y. 2016-17) (Apr 16- Sept 16))
1	Pollution Control	9.75
2	Environment Monitoring	1.51
3	Green Belt	9.23
4	Reclamation/Rehabilitation of mined out area (Samri -4.215 Ha. Tatijharia-2.880 Ha. Kudag- 0.500 Ha. Total – 7.595 Ha.)	37.975
5	Total	58.465

- 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 among three leases viz, Samri, Tatijharia & Kudag.
- Reclamation of mined out land has been out sourced along with production. Average cost of reclamation considered @ 5.0 Lac per Ha.


 Agent of Mines
 Samri Mines Division
 Hindalco Industries Ltd