

21.11.2014

**Status of Compliance from April-2014 to September-2014 of Environmental Condition laid down by MOEF**

**Samri Bauxite Mine**

The status of compliance of the conditions (as per point no.4) with reference to, environment clearance letter no.J-11015/353/2007-IA. II(M) dated 27.07.07 of Ministry of Environment & Forests, New Delhi, to maintain production capacity of Samri Bauxite Mine is as under.

**A Specific condition:-**

- (i) The wild life management plan has been approved.
- (ii) We accept the condition.
- (iii) The conservation plan for schedule I fauna have been prepared.
- (iv) The report has been submitted to ministry. The rehabilitation of land ousters are not involved in the project.
- (v) Top soil and solid waste is being utilized for simultaneous back filling of mined out area for reclamation purpose and practice is followed.
- (vi) OB is being stacked at earmark location and slope of dump is maintained less than 28 degree/ concurrently reclaimed in the mined out area. All protective measure such as reclaiming walls, bunds are being taken to prevent erosion of soil.
- (vii) Garland drains have been made around the active mining pits coupled with arrester to arrest silt from soil and dumps are maintained.
- (viii) The slope of bench as per provision of approved mining scheme is being maintained.
- (ix) Wet drilling and dust extractors are being used during drilling operations.
- (x) The plantation in reclaimed area is carried out as per plan and being carried out as suggested. The density is being maintained about 2500 plant per hectare with the species like Karanj, accasia, mango, babul , Peras, Jamun, Awla & govava etc. Social forestry is also being encouraged among the local villagers.

The ground water table does not intersect our mining operation because of shallow depth of mining.

(1)

  
**M. K. Nayak**  
 Agent of mines  
 Samri mines Division  
 Industries Ltd

- (xi) Regular monitoring of ground water quality is being carried out. The analysis reports are being submitted to Regional Office, CECB, Ambikapur.
- (xii) If required, the permission will be taken from competent authority.
- (xiii) Regular and periodic maintenance of HEMM is being carried out for control of vehicular emission in mines area. The bauxite ore are transported in trucks with tarpaulin cover.
- (xiv) We accept the condition.

**(B) General Condition.**


- (i) No change in mining technology and scope of working will be done without approval of MOEF New Delhi.
- (ii) Calendar plan will be followed and there will not be any change in calendar plan.
- (iii) The suggestion of local forest department will be implemented for conservation of flora and fauna in and around lease hold area.
- (iv) Ambient Air quality monitoring is being carried out as per guideline and will be followed.
- (v) Data of ambient air quality (RPM, SPM, SO<sub>2</sub>, Nox) are being submitted to CECB and will be submitted as per guidelines.
- (vi) Fugitive dust emission from generating sources is being controlled. The dust extractor, wet drilling, regular water spraying with 12 KL water tanker in the mine lease hold area is being carried out regularly.
- (vii) The noise level in working area being maintained below the limit prescribed and will be maintained. The operators of HEMM are being provided earplug/muffs. The proper maintenance of HEMM is being carried out to control noise emission
- (viii) No waste water is generated from the mine however as suggested measures will be taken if required.
- (ix) All workers are provided personal protective equipment and training are also being imparted to them for safety & health in our Group vocational training centre – Samri and will be continued as per guidelines.

- (x) Periodical and Initial medical examination of all workers are being carried out as per provision of Mines Act.
- (xi) Environment cell is already in place at Samri Mines Division headed by GM (Mines) and comprises of suitable qualified persons.
- (xii) In case of final closure of mine the information will be submitted to Regional Office, Ministry of Environment & Forests, Bhopal.
- (xiii) Adequate fund provision is already earmarked for environmental protection measures and will not be diverted to other purpose. The year wise expenditure will be submitted to concern authorities as per guidelines.
- (xiv) The same information is being intimated to Regional Office, Ministry of Environment & Forests, Bhopal.
- (xv) All cooperation is being extended to regulatory authorities and will be extended as earlier.
- (xvi) Although no suggestion/representation has been received by any Panchayat/Local NGO while processing the proposal. However we have forwarded the copy of clearance letter to Panchayat in our area. The copy of same has been already submitted to your good office.
- (xvii) The copy has been displayed by CECB in Balrampur Collectorate.
- (xviii) The information regarding environment clearance has been published in two local new papers namely Hari Bhumi & Ambika Vani. The copy of same has been already submitted to your good office.

Hope the above compliance will be found in order.

**Yours truly,**

(For Hindalco Industries Limited)



**(M K Nayak)**  
**Agent of Mines.**

Encl. As Above  
*(M. K. Nayak)*  
*Agent of mines*

*Samri mines Division*  
*Hindalco Industries Ltd*

तार  
Telegram : PARYAVARAN,  
NEW DELHI

दूरभाष :  
Telephone :  
टेलिक्स (द्विभाषीय) :  
Telex : (bi-lingual) : W-66185  
FAX : 4360678

भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS  
पर्यावरण भवन, सी० जी० रोड, लोदी रोड, नई दिल्ली - 110003  
PARYAVARAN BHAWAN, C.G.O. ROAD, LODHI ROAD, NEW DELHI - 110003

Dated: 12<sup>th</sup> March, 1996.

SAMRI

No. 8-22/95-FC

To  
The Secretary (Forests)  
Government of Madhya Pradesh  
Bhopal.

Sub: Diversion of 798.827 ha. of revenue forest land in favour of M/s HINDALCO Industries Ltd. for Bauxite mining in District Sarguja.

Sir,

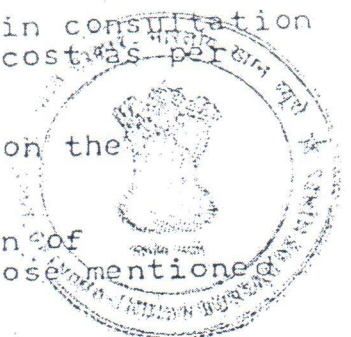
I am directed to refer to your letter no. F.5/18/95/10/3 dated 9.3.95 on the above mentioned subject seeking prior approval of the Central Government in accordance with Section-2 of the Forest (Conservation) Act, 1980, and to say that the proposal has been examined by the Advisory Committee constituted by the Central Government under Section-3 of the aforesaid Act.

2. After careful consideration of the proposal of the State Government and on the basis of the recommendation of the above mentioned Advisory Committee, the Central Government hereby conveys its approval under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 798.827 ha. of revenue forest land in favour of M/s HINDALCO Industries Ltd. for Bauxite mining in District Sarguja subject to the following conditions:

- i) Legal status of forest land shall remain unchanged.
- ii) Compensatory afforestation shall be carried out over double the degraded forest land at the project cost.

Sgt  
Sural Gupta

- 111) Reclamation of the mining area will be done in consultation with the State Forest Deptt. at the project cost as per plan prepared in this regard.
- 1V) Demarcation of the mining area will be done on the ground at the project cost.
- V) Forest land will not be used for construction of buildings etc. and any purpose other than those mentioned in the proposal.
- VI) Lease period shall remain coterminus with lease under MMRD Act subject to maximum of 20 years.
- VII) Free fuelwood will be provided to the labourers and staff working at the project site at the project cost.
- VIII) A ny other condition the State Govt. may impose.
- IX) This clearance is subject to the environmental clearance of the project under the Environment Protection Act.



Yours faithfully,

*R.K. Chaudhry*  
( R.K. CHAUDHRY )

Asstt. Inspector General of Forests.

Copy to:

The P rincipal Chief Conservator of Forests  
Government of Madhya Pradesh, Bhopal.

Nodal Officer, Office of the Principal Chief Conservator  
of Forests, Govt. of Madhya Pradesh, Bhopal.

The CCF (Central), Regional Office, Bhopal.

RO(HQ), New Delhi.

Guard file.

( R.K. CHAUDHRY )  
AIGF.

APPROVED



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

No. 5641 ITS/CECB/2014

Raipur, dated: 05/3 /2014

To,

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

**Sub:** Renewal of consent of the Board for Bauxite Ore Mine under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974.

- Ref:**
1. Consent of the Board for Bauxite Ore Mine issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 6876/TS/C ECB/2007 Raipur, dated: 24/12/2007.
  2. Last renewal of the Board for Bauxite Ore Mine issued under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 1821/TS/CECB/2013 Raipur, dated: 05/07/2013.
  3. Your Letter No. HIL/SAM/CECB/118/2013/S, dated: 26/07/2013 and subsequent correspondence ending letter dated: 11/01/2014.

--:: OO ::--

With reference to your above application consent is hereby renewed for a period of One year i.e. from 01/12/2013 to 30/11/2014, subject to the fulfillment of the terms and conditions incorporated in the schedule of the consent letter No. 6876/TS/CECB/2007 Raipur, dated: 24/12/2007 and additional conditions mentioned below.

This renewal of consent is valid for: -

Name of Product	Production Capacity
Mining of bauxite ore	5.0 Lakhs Tonne per Annum [Five Lakhs Tonne per Annum]

**Additional Conditions**

1. Industry shall ensure the treated effluent quality within prescribed effluent standard all the time. Industry shall not discharge effluent out side the mine lease area in any circumstances; hence zero discharge condition shall be maintained all the time.
2. All internal roads shall be made pucca. Good house keeping practices shall be adopted. Dust muck generated on the road shall be dispose doff properly.


*RCW*

3. Bauxite ore shall be transported in duly covered vehicles.
4. 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.
5. All the solid waste rejects shall be disposed off property and reclaimed scientifically. Industry shall obtain authorization under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 from the Board (If required).
6. Extensive tree plantation shall be carried out in the reclaimed areas and within the mining lease area.

Please acknowledge the receipt of this letter.

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

%


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

Endt. No. 5642/TS/CECB/2014  
Copy to: -

Raipur, dated: 05/3 /2014

- 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  
of Raipur (C.G.)

REV



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

No. 5643 /TS/CECB/2014  
 To,

Raipur, dated: 05/13/2014

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

- Sub: Renewal of consent of the Board for Bauxite Ore Mine under section 21 of the Air (Prevention and Control of Pollution) Act, 1981.
- Ref: 1. Consent of the Board for Bauxite Ore Mine issued under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 6878/TS/CECB/2007 Raipur, dated: 24/12/2007.
2. Last renewal of the Board for Bauxite Ore Mine issued under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 1823/TS/CECB/2013 Raipur, dated: 05/07/2013.
3. Your Letter No. HIL/SAM/CECB/118/2013/S, dated: 26/07/2013 and subsequent correspondence ending letter dated: 11/01/2014.

--: 00 :--

With reference to your above application consent is hereby renewed for a period of one year i.e. from 01/12/2013 to 30/11/2014, subject to the fulfillment of the terms and conditions incorporated in the consent letter No. 6878/TS/CECB/2007 Raipur, dated: 24/12/2007 and additional conditions mentioned below.

This renewal of consent is valid for: -

Name of Product	Production Capacity
Mining of bauxite ore	5.0 Lakhs Tonne per Annum [Five Lakhs Tonne per Annum]

**Additional Conditions**

1. Industry shall operate & maintain the existing air pollution control facilities to ensure the emission of air pollutants within the prescribed emission standard the all time. Industry shall install some additional fixed type water sprinklers in haul roads fapproach roads for dust suppression. The industry shall also maintain the ambient air quality in and around the mine lease area within prescribed limits.
2. All internal roads shall be made pucca. Good house keeping practices shall be adopted by the industry.



3. Blasting operations shall be carried out as per the standards prescribed by Director General of Mine Safety.
4. Industry shall transport Bauxite Ore in duly covered vehicles to avoid dust emission during transportation.
5. 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.
6. Extensive tree plantation shall be carried out in the reclaimed areas and with mining lease area to the plants.

Please acknowledge the receipt of this letter.

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

  
**Member Secretary**

*o/c*  
Chhattisgarh Environment Conservation Board  
of Raipur (C.G.)

Endt. No. *S844-ITS/CECB/2014*  
Copy to: -

Raipur, dated: *05/13/2014*

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**

*o/c*  
Chhattisgarh Environment Conservation Board  
of Raipur (C.G.)

*RSK*

**Lease wise Production 2013-14**

Lease	Production (M.T.)
Samri	450449
Kudag	51724
Tatijharia	339284
<b>TOTAL</b>	<b>841457</b>

  
(M. K.- Nayak)  
Agent of mines  
Samri mines Division  
Hindalco Industries Ltd

Lease wise Details 2014-15(April 14 to September 14)

Lease	Mined out Area (Hect.)	Reclaimed Area (Hect.)	Plantation Area (Hect.)	No. of Sapling
Samri	2.841	2.413	5.150	12850
Kudag	0.389	0.665	2.230	5575
Tatijharia	1.640	1.419	3.020	7550
<b>TOTAL</b>	<b>4.870</b>	<b>4.497</b>	<b>10.400</b>	<b>25975</b>

  
(M. K. -Nayak)  
Agent of mines  
Samri mines Division  
Hindalco Industries Ltd


Annexure-VII

Actual Expenditure incurred in Environment Management Plan:-  
Samri Bauxite Mine Division (it includes Samri, Tatijharia & kudag Lease )

Hindalco Industries Limited

Sl No-	Environment Protection Measures		Capital cost (Lacs) Year 2014-15
1	Pollution Control	Silt check-up dam	1.25
		Parapet walls	2.25
		Water sprinkler	
2	Pollution Monitoring	This is done by competent authority	
3	Reclamation/Rehabilitation of mined out area	This is the part of mining work	
4	(Construction of mines road within Lease area.)		800.00
5	Wild life Management Plan		180.00
	Total Expenses		983.50

- 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 and rehabilitation is part of mining operation. Mined out area has been backfilled by using mines rejects, laterite, morrum and at the top of surface by top soil. As per type of the land we decide for cultivation or planting species. Cost of reclamation /rehabilitation already included in the mining operation.
- Construction of mines road within Samri, Tatijharia and Kudag lease.

  
(M. K. -Nayak)  
Agent of mines  
Samri mines Division  
Hindalco Industries Ltd

Annexure-VII

Actual Expenditure incurred in Environment Management Plan:-

Composite cost during the year 2014-15 (Apr -14 to Sept-14) for environment protection & pollution control by Samri Mines division, it includes Samri Bauxite Mine , Tatijharia Bauxite Mine & Kudag Bauxite Mine of Chhattisgarh state.

SI No-	Environment Protection Measures	Actual Cost (Lacs)
1	Pollution Control	2.70
2	Environment Monitoring	3.15
3	Green Belt	8.00
4	Reclamation/Rehabilitation of mined out area	--
5	Health Care	5.25
	Total	19.10

- 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 to consider availability of sapling and miscellaneous arrangement among three leases viz, Samri, Tatijharia & Kudag.
- Reclamation and rehabilitation is part of mining operation. Mined out area has been backfilled by using mines rejects, laterite, morrum and at the top of surface by top soil. As per type of the land we decide for cultivation or planting species. Cost of reclamation /rehabilitation already included in the mining operation.

  
(M. K. Nayak)  
Agent of mines  
Samri mines Division  
Hindalco Industries Ltd