



## छत्तीसगढ़ पर्यावरण संरक्षण मंडल

पर्यावास भवन, सेक्टर - 19,

अटल नगर, जिला-रायपुर (छ.ग.) 492002

क्रमांक S375/तक.सू.अ./छ.ग.प.सं.मं/2018  
प्रति,

अटल नगर, रायपुर दिनांक 01/10/2018

श्री बिपाशा पाल,  
C-52 सेक्टर-1,  
पानी टंकी के पास शंकर नगर,  
रायपुर (छ.ग.)

विषय :- सूचना का अधिकार अधिनियम 2005 के तहत जानकारी बाबत।

संदर्भ :- आपका पत्र दिनांक 03/09/2018, इस कार्यालय में प्राप्त दिनांक  
05/09/2018.

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उपरोक्त विषयांतर्गत संदर्भित पत्र के माध्यम से आपके द्वारा संबंधित जानकारी/दस्तावेज प्राप्त करने हेतु शुल्क रूपये 50/- रसीद क्रमांक एमआर नं.-53 /106 दिनांक 01/10/2018 के द्वारा इस कार्यालय में जमा किया गया है। वांछित जानकारी/दस्तावेज की प्रति (कुल पृष्ठ संख्या 25) इस पत्र के साथ संलग्न कर प्रेषित है।

संलग्न:- उपरोक्तानुसार।

अपीलीय अधिकारी का नाम एवं पता  
श्री आर.पी. तिवारी  
अपीलीय अधिकारी एवं मुख्य अभियंता (प्रभार)  
छत्तीसगढ़ पर्यावरण संरक्षण मंडल,  
पर्यावास भवन, सेक्टर-19,  
अटल नगर, रायपुर (छ.ग.)

*Amidha*  
01/10/18  
(देवव्रत मिश्रा)

जनसूचना अधिकारी  
छत्तीसगढ़ पर्यावरण संरक्षण मंडल,  
अटल नगर, रायपुर (छ.ग.)



299  
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**CHHATTISGARH ENVIRONMENT CONSERVATION BOARD**  
**1-Tilak Nagar, Shiv Mandir Chowk, Main Road,**  
**Awanti Vihar, Raipur (C.G.) 492 006**

No. 3799 ITS/CECB/2010

Raipur, dated: 29/9/2010

To,

M/s Bharat Aluminum Company Limited,  
(Kesmarda, Rabda, Semsata, Mundadadar Bauxite Ore Mine)  
Village- Kesmarda, Rabda, Semsata, Mundadadar,  
Tehsil - Bodla,  
District -Kabirdham (C.G.)

Sub: - Consent of the Board Under Section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974.

- Ref: - 1 No Objection Certificate for obtaining Environmental Clearance from Government of India for expansion in existing Kesmarda, Rabda, Semsata, Mundadadar bauxite ore mine from 3.0 lakh tonnes per Year to 12.5 lakh tonnes per year issued vide letter no. 6554/TS/Chhattisgarh Environment Conservation Board/2006 Raipur dated 28.12.2006.
2. Environmental Clearance issued by Ministry of Environment and Forests, Government of India vide letter no. J-11015/37/2010-IA.II (M), dated 09/04/2010.
3. Permission to Establish issued by, Chhattisgarh Environment Conservation Board, Raipur, vide Letter No. 1897/TS/CECB/2010 Raipur, dated: 29/06/2010 for expansion of existing Bauxite Mine - 03 Lakh Tonnes per Year to 12.5 Lakh Tonnes Per Year.
4. Your application no. BALCO/ENV/10/A-04(D)228, Dated: 10/07/2010.

--: 00 :--

With reference to your above application, consent is hereby granted subject to the fulfillment of the terms and conditions incorporated in the schedule annexed here to for a period of one year from the first day of the month of commissioning of the mining activities with expanded capacity.

This consent is valid for following products & production capacity: -

Name of Product	Production Capacity
Bauxite	12.5 Lakh Tonnes Per Year (Twelve Point Five Lakh Tonnes per Year)

**Note :-** 1. This consent is granted without prejudice to the court case, if any pending in the Court of Law and in no way to be taken as a measure of proof that industry has not violated any related pollution laws at any time in the past. Hence whatsoever may be decision of Hon'ble Court, shall be binding on the industry and this Board.

2. This production capacity is inclusive of existing bauxite mining of capacity 3.0 Lakhs Tonnes/Year for which consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and has been granted by Chhattisgarh Environment Conservation Board, Raipur vide letter dated 05/05/2004. The consent granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for existing bauxite mining of capacity 3.0 Lakhs Tonnes/Year shall be treated as cancelled with effect from the first day of the month of commissioning of the mining activities with expanded capacity.

Please acknowledge the receipt of this letter.

For & on behalf of  
Chhattisgarh Environment Conservation Board

*Purao 29/9/10*  
Member Secretary

*oh*  
Chhattisgarh Environment Conservation Board  
Raipur (C.G.)

Endt. No. *3800* ITS/CECB/2010

Raipur, dated: *29/9/2010*

Copy to: -

1. Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, *Bhilai* (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.).

*P 29/9/10*  
Member Secretary

Chhattisgarh Environment Conservation Board  
Raipur (C.G.)





301  
5

(I)  
**ANNEXURE**

**M/s Bharat Aluminum Company Limited**

**Location of Factory:** Village- Kesmarda, Rabda, Semsata, Mundadadar,  
Post – Daldali, Tehsil –Bodla,  
District- Kabirdham (C.G.)

Vide consent no. EI 46/...../Revised/CECB/2010 dated 21/2/2010

**A. GENERAL CONDITIONS: -**

1. All discharges authorized shall be consistent with terms and conditions of this Consent Facility expansions, production increases or process Modifications which result in new or increased discharges of pollutants must be reported by submission of a new Consent, application or if such new, or increased discharge does not violate the effluent limitations specified in the Consent, by submission to the Board details of such new or increased discharges of pollutants in which case the consent may be modified to specify effluent limitations for any pollutants not identified and limited here in the discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by the Consent shall constitute a violation of the terms and conditions of the Consent.
2. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following: -
  - (a) Violation of any terms and conditions of this Consent.
  - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
  - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
3. Notwithstanding para(2) above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established for a toxic pollutant which is present in the discharge authorized here in and such standard or prohibition is more stringent





Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provide for in section 42 of the Act.

305  
7

**B. SPECIAL CONDITIONS: -**

1. Initial Effluent limitation during the period beginning on the effective date of this consent and lasting until one calendar year discharge from outfalls shall be limited and monitored by the applicant as specified below: -

(a) The following shall be limited by the applicant as specified.

S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement	Type of Sample
		Mg/l	Kg/Day	Mg/l	Kg/Day		

Daily/Weekly/Monthly/Tri-monthly.  
Grab/ 24 Hours Composite

In Addition to above discharge shall be limited and monitored as specified below:

S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample †
		Mg/l	Kg/Day	Mg/l	Kg/Day		

Daily/Weekly/Monthly/Tri-monthly.  
Grab/ 24 Hours Composite

For the purpose of this sub-section, the daily average discharge is the total discharge by weight during the calendar month divided by the number of days in month

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the production or commercial facility was operating for the purpose of the sub-section the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than 5.5 or greater than 9.0

2. Final effluent Limitation: - During the period beginning from 1st day of month of commissioning of the plant and lasting until the date of expiration of this Consent, discharge from the outfalls shall be limited and monitored by the applicant as specified below:-

(a) The following shall be limited and monitored by the applicant as specified.

S. No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample †
		Mg/l	Kg/Day	Mg/l	Kg/Day		
1	B.O.D.	--	--	30	18.90	Monthly	24 hours Compo site
2	C.O.D.	--	--	250	157.50		
3	S.S.	--	--	100	63.00		
	pH 5.5 to 9.0 Flow: 630 Cum/Day (Industrial and Domestic)					Daily	Grab

\*  
†

Daily/Weekly/Monthly/Tri-monthly.  
Grab/ 24 Hours Composite

Additional, outfalls shall be monitored as follows:

- (i) Flow, Temperature and Total solids: One per month
- (ii) Grab Samples Maximum discharge temperature above upstream receiving water shall be in accordance with the standard of ISI at 40° C.
- (iii) Uniform as per ISI 2490 at 40° C.

The temperature shall be monitored once per month of each outfall. For the purpose of the sub-section the daily average is the total discharge by weight during calendar month divided by the number of days in



- (a) Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- (b) Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet monitoring requirements specified above shall conform to such guidelines. Unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water & Waste Water 13<sup>th</sup> Edition of the American Public Health Association, New York U.S.A. shall be used.
- (c) The applicant shall take samples and measurement to meet the monthly requirements specified above at the location indicated below:

**POINT OF SAMPLING**

- (i) Outfalls of waste.
- (ii) 100 meters from point of confluence, down stream to river or lake.

**5. Recording of Monitoring activities and Results:**

- (a) The applicant shall make and maintain records of all information resulting from monitoring activities by this Consent.
- (b) The applicant shall record for each measurement of sample taken pursuant to the requirements of this Consent the following information:
  - (1) The date, exact place and time of sampling
  - (2) The dates on which analysis was performed.
  - (3) Who performed the analysis?
  - (4) The analytical techniques or methods used and
  - (5) The result of all required analysis.
- (c) If applicant monitors any pollutant more frequently as is required by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports,



308  
(12)

reporting period shall end on the last date of each month. The applicant shall submit a Discharge Monitoring Report post marked no later than 28th day of the month following each completed reporting period.

7. Limitation of Discharge of Oil Hazardous Substance in harmful quantities: The applicant shall not discharge oil in quantities defined as harmful in regulations. In addition the applicant shall not discharge hazardous substance into natural watercourse in quantities defined as harmful in regulations promulgated by the Board. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.
8. Limitation of visible Floating Solids and Foam: During the period beginning date of issuance and lasting until the date of expiration of this Consent the applicant shall not discharge floating solids or visible foam.
9. Disposal of Collected Solids:
  - a) Intake Water Treatment: Solid Sludge's, dirt, silt or other pollutant separated from or resulting from treatment of intake or supply waters prior to use by the applicant shall be disposed off in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish or other animals collected or trapped as a result of intake water screening or treatment may be returned to water,
  - b) Waste water Treatment, Solid sludge's, filter backwash or other pollutant removed from or resulting from treatment or control of waste waster shall be disposed of in such a manner as to prevent any pollutants from such materials from entering natural water.
10. Non-compliance with Effluent Limitations:
  - (a) If for any reason the applicant does not comply with or will be unable to comply with or will be unable to comply with any daily maximum effluent limitations specified in this Consent the applicant shall immediately notify the Consent issuing authority or his designee by telephone No. 0771-2443923/2443934 and provide the Consent issuing Authority with the following information in writing within 5 days of such notification:
    - i) Cause of non-compliance.

- ii) A description of the non-complying discharge including its impact upon the receiving water.
  - iii) Anticipated time, of non compliance is expected to continue or if such condition has been corrected, the duration of non-compliance.
  - iv) Steps taken by the applicant to reduce and eliminate the non-complying discharge and;
  - v) Steps to be taken by the applicant to prevent recurrence of conditions of non compliance.
- (b) The applicant shall take all responsible steps to minimize any adverse impact to natural waters resulting from non-compliance with any effluent limitation specified in this Consent including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.
- (c) Nothing in this Consent shall be construed to relieve the applicant from civil or criminal penalties for non-compliance, whether or not such non-compliance is due to factors beyond his control such as equipment break down electric power failure, accident or natural disaster.

Limitation of Batch Discharge.

**SPECIAL CONDITIONS**

11. Provision for Electric Power Failure: The applicant shall either-
- (a) No later than ..... certify in writing to the consent issuing authority that applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent or.
  - (b) No later than 30 days after the effective date of his Consent, certify in writing to the consent issuing authority that upon the reduction, loss, or failure of one or more of the primary sources of electric power to any facilities utilized by the applicant to maintain compliance with the terms and conditions of his consent, the applicant shall halt, reduce or otherwise Control production and/or all discharges in order to maintain compliance with the terms & conditions of this Consent.
12. Prohibition of By pass of Treatment Facilities: The diversion or by-pass of any discharge from facility utilized by the

2

310  
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applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:

- (i) Where unavoidable to prevent loss of life severe property damage, or
- (ii) Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

13. Spill Prevention and Containment Plan: Within 90 days of the effective date of the Consent the applicant shall prepare and submit to the consent issuing authority; a Spill Prevention; Containment and Countermeasure Plan for the facility covered by this Consent. Such plan shall include the following information and procedures relating to the prevention of spills and unauthorized discharges or oil and hazardous substances;

- (a) A description of a reporting system to be used to notify immediately persons responsible for management of a facility and appropriate State and Central authorities;
- (b) A description of equipment or facilities (including overall facility) for the prevention, containment of spills and unauthorized discharge;
- (c) A list of all oil and hazardous materials used processed or stored at the facility including the normal quantity maintained on the premises for each listed material;
- (d) A brief description of any spills or unauthorized discharge which occurred during the 36 months period preceding the effective date of this Consent and subsequent measures taken by the applicant or reduce the possibility of further spills or unauthorized discharges; and.
- (e) An implementation schedule for additional equipment or facilities, which might be required for, sub para (b) above but which are not yet operational.





temporary OB dump(s) and the over burden benches within the mine to check run-off and siltation shall be based on the rainfall data.

- 14. Reclamation programmes for the mined out area shall be implemented until the end of the life of mine. Land reclamation and backfilling shall be concurrently done. Plantation of native and fruit bearing plants and tree species shall be taken up for soil stabilization and for reclamation of the mined out area. Monitoring and management of rehabilitated areas shall continue until the vegetative becomes self-sustaining. Industry shall carry out reclamation activities of mined out area in such a fashion that after reclamation the land use shall be maintained to original state. The top soil shall temporarily be stored at earmarked site(s) only and it shall not be kept unutilized for long. The mining activity for expanded capacity shall be carried out in such a way so that prime land area may not get degraded. The topsoil shall be used for land reclamation and plantation. All the slope of external dumps of over burden, topsoil etc. shall be maintained at a maximum of 28 degree.
- 15. Industry shall obtain authorization from Board for management and handling of hazardous materials as per Hazardous Wastes (Management, Handling and Trans boundary Movement) Rules, 2008 (as amended up to date).
- 16. Industry shall take effective steps to check the soil erosion from topsoil dump/over burden dump/waste material dump etc. Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and temporary OB dumps to prevent run off of water and flow of sediments directly into the Katai River and other water bodies. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted and maintained. The drains shall be regularly desalted, particularly after the monsoon, and maintained properly.
- 17. Industry shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Government Water Board. Appropriate mitigative measures shall be taken to prevent pollution of the Katai River in consultation with the Chhattisgarh Environment Conservation Board.
- 18. Industry shall use fly ash bricks, fly ash blocks or fly ash based products for their construction/repairing activities. As far as possible industry shall also utilize fly ash for filling low lying within premises and mined out areas.



Corporations etc. for expansion in mining. Industry shall follow direction issued by Central/State Government, Central Pollution Control Board/Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.

- 28. The issuance of 'Consent to Operate' does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
- 29. Any change in production capacity, process, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
- 30. Board may amend/cancel any of the conditions stringent the effluent/emission limit and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

This consent and the authorization to discharge shall expire after twelve months starting from the first day of the month of commissioning of the mining activity with expanded capacity. The applicant shall not discharge after the date of expiration. The applicant shall submit such information forms and fees as required by the Board not later than 180 days prior to the date of expiry.

For & on behalf of  
Chhattisgarh Environment Conservation Board

*Purkayastha 29/9/10*

**Member Secretary**

Chhattisgarh Environment Conservation Board  
Raipur (C.G.)

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*[Signature]*