

MAHARASHTRA POLLUTION CONTROL BOARD

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 Sion-Matunga Scheme Rd. No.8,
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 Mumbai-400 022.

RED/LSI

Consent No. BO/JD(APC)/ EIC No. EIC No. NG-8100-12/R/CC/ ^{CAC-2410} Date 21/03/2013.
Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management Handling & Transboundary Movement) Rules, 2008. [To be referred as Water Act, Air Act and HW (MH & TM) Rules respectively].

CONSENT is hereby granted to

**M/s. Hindalco Industries Limited,
 S.No.95/1 & 95/2, Village-Daheli,
 Tal-Mouda, Dist- Nagpur.**

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH&TM) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. **The Consent to Operate is granted for a period up to – 31.05.2014.**
2. **The Consent is valid for the manufacture of -**

Sr. No.	Product	Maximum Quantity
1	Aluminium Strips & Sheets	3250 MT/Month
2	i) Rolling Mills-2 nos ii) Twin Chamber Re-melt Furnace-1 no. iii) Roll grinder-1 no. iv) Aluminium Furnace-1 no. (Valid only for operation of additional facilities as mentioned above for further processing of the products i.e aluminum strips & sheets of lesser thickness without increase in the quantity of the products i.e aluminum strips & sheets-3250 MT/month).	

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed **12.0 m³**
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **10.0m³**
- (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.0
2	BOD 3 days 27 deg C	Not to exceed	100 mg/l
3	COD	Not to exceed	250 mg/l
4	Suspended solids	Not to exceed	100 mg/l
5	Oil & Grease	Not to exceed	10 mg/l
6	Sulphates	Not to exceed	1000 mg/l.
7	Chlorides	Not to exceed	600 mg/l.
8	Total dissolved Solids	Not to exceed	2100 mg/l.

(iv) **Trade Effluent Disposal:** The treated effluent shall be reused/recycled to maximum extent & excess if any shall be used on land for gardening only within premises. There shall not be any discharge outside the factory premises.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

- (1) Suspended Solids Not to exceed 100 mg/l.
- (2) BOD 3 days 27° C. Not to exceed 100 mg/l.

(vi) **Sewage Effluent Disposal:** The treated effluent shall be reused/recycled to maximum extent & excess if any shall be used on land for gardening only within premises. There shall not be any discharge outside the factory premises.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Aluminium Mud	35	Ton/Month	---	By Sale to authorised party
2	M.S.strips/Turning/Boring	2.0	Ton/Month	---	

(viii) **Other conditions:** The industry shall monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under. The daily water consumption for the following categories is as under:

Domestic	12.0 CMD
Industrial processing generating Bio-Degradable waste water	6.4 CMD
Industrial processing generating Non-Bio-Degradable waste water CMD
Industrial Boiler/Cooling etc.	70.0 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT:**

(i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

A) Control Equipment:

(i) Adequate Fume extraction system followed by dust collecting system of sufficient capacity shall be provided to all sources of SPM/TPM & operated properly & continuously so as to achieve following standards.

(ii) There shall not any secondary (fugitive) emissions.

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 50 mg/Nm³
- (ii) SO₂ Not to exceed 900 kg/day

(ii) **The applicant shall observe the following fuel pattern:-**

Sr.No.	Type of Fuel	Quantity
1.	Furnace Oil	300KL/Month.
2.	Furnace Oil	500 kg/hr(Fuel shall be used for rolling Mill (184)only)

- (iii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Twin Chamber Re-Melt Furnace	30.00
2	Holding Furnace -1	30.00
3	Strip Furnace Melter & holder	30.00
4	Rolling Mill (182)	30.00
5	Rolling Mill (184)	30.00
6	Cold Rolling Mill	24.00

- (iv) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted /displayed to facilitate identification.
- (v) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality regularly.
 - 3) The applicant shall install three continuous automatic ambient air and micrometeorological monitoring station at location indicated by State Board to be set up and operate at its own cost measure SO₂, NO_x and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring network of MPCB website <http://mpcb.gov.in>.

6. CONDITIONS UNDER HAZARDOUS WASTE (MH & TM) RULES, 2008:

- (i) The applicant shall handle hazardous waste as specified below:-

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	75.00	KL/Month	Vacuum Distillation / Sale to Authorised Reprocessor
2	5.2 Wastes/residue containing oil	3.00	KL/Month	CHWTSDF, Butibori
3	34.3 Chemical sludge from waste water treatment	100.00	kg/Month	CHWTSDF, Butibori
4	35.1 Filters and filter material which have organic liquid	7.20	MT/Month	CHWTSDF, Butibori
5	23.1 Waste Residue	3.90	MT/Month	CHWTSDF, Butibori
6	Lead Acid Battery	6.00	Nos/Annum	Sale to Authorised Reprocessor
7	E-waste	500.00	Kg/Annum	Sale to Authorised Reprocessor

- (ii) Treatment: - NIL

- a) The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
- b) The industry should comply with the Hazardous Waste (M, H & TM) Rules, 2008.

- c) The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
- d) It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and shown & submitted to the Board as & when asked for.

7. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

8. General conditions:

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.** The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent/ emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.
- (v) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (vii) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

- (ix) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
9. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. **The applicant shall not use aluminium scrap/aluminium dross in the furnace as a raw material.**
11. This is issued pursuant to the decision of Consent Appraisal Committee meeting of the Board held on 12.03.2013.
12. **The applicant shall submit the irrevocable bank guarantee of Rs. 10.0/- Lacs drawn in favour of Regional Office, MPCB, Nagpur within 15 days valid up to one year period, towards operation and maintenance of pollution control system so as to achieve the consented standards.**
13. The total capital investment of industry is Rs.359.47/- Crore

(Rajeev Kumar Mittal, IAS)
Member Secretary

To,
M/s. Hindalco Industries Limited,
S.No.95/1 & 95/2,Village-Daheli,
Tal-Mouda,Dist- Nagpur.

Copy to:

- 1) Regional Officer, MPCB, Nagpur 2) Sub-Regional Officer, MPCB, Nagpur-II

They are directed to forfeit the existing bank guarantee of Rs.2.0/- Lakhs if the industry for exceeding JVS standards and obtain the fresh bank guarantee of Rs.10/- Lakhs as per consent condition no.12 and submit the performance report along with monitoring results within one month period and ensure the compliance of consent conditions.

- 3) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1373211	268166	17 Nov 2012	SBI Bank

- 4) Cess Branch, MPC Board, Mumbai. 5) Master file.