


# MAHARASHTRA POLLUTION CONTROL BOARD

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BO/JD(APC)/EIC No. RD- 2398-12/O/CC/CAC-578 Date: 24/08/2012.

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 (M&H) Rules respectively].

CONSENT is hereby granted to

**M/s. Asian Colour Coated Ispat Ltd.,**  
**(Phase - I Project)**  
**Village Dahivali,**  
**Tal. Khalapur, Dist. Raigad.**

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW (M&H) 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:

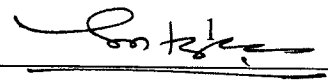
1. The Consent to operate is granted for a period up to 31.05.2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	H.P. Coils	1,00,000	MT/Y
2	C. R. Coils	1,00,000	MT/Y

**(Phase - I Project)**

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 65 M3.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 17.5M3.
- (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:



Sr.no	Parameter	Limits
1	pH	Between 5.5 to 9.0
2	Suspended Solids	Not to exceed 100 mg/l.
3	BOD 3 days 27 Deg. C	Not to exceed 100 mg/l
4	COD	Not to exceed 250 mg/l
5	Oil & Grease	Not to exceed 10 mg/l
6	Total Dissolved Solids	Not to exceed 2100 mg/l
7	Total Metal	Not to exceed 10 mg/l
8	Chlorides	Not to exceed 600 mg/l
9	Sulphates	Not to exceed 1000 mg/l
10	Zinc	Not to exceed 5 mg/l
11	Iron	Not to exceed 3 mg/l
12	Total Chromium	Not to exceed 2 mg/l
13	Phosphates	Not to exceed 5 mg/l
14	Chromium(hexa)	Not to exceed 0.05 mg/l

- (iv) **Trade Effluent Disposal:** The effluent shall be sent to acid recovery plant and remaining shall be recycled in to the process and achieve ZERO discharge. In no case trade effluent shall find its way into nearby river.

**Till the commissioning of ARP before 31.10.2012 the effluent shall be stored in the secured tank of adequate capacity and then send to ARP after commissioning on or before 30.10.2012 for further treatment and disposal.**

- (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 27o C.	Not to exceed	100	mg/l.

- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

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

Sr.no.	Type of waste	Qty	Disposal
1	Metal Scrap	75 MT/M	Sale
2	Wooden Scrap	1.5 MT/M	Sale
3	STP Sludge	0.5 MT/M	Manure.
4	Garbage	0.25 MT/M	Manure/At MSW site.
5	Iron oxide from ARP	7.5 T/M	Sale

- viii) **Other Conditions:**

- 1) Industry should monitor effluent quality regularly.
- 2) The industry shall provide acid recovery plant of 90 CMD capacity.

**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 amendment Rules, 2003 there under**

The daily water consumption for the following categories is as under:

Sr.no.		Qty
I	Domestic purpose	30.00 CMD
II	Water gets Polluted & Pollutants are Biodegradable	75.00 CMD
III	Other agriculture / gardening	25.00 CMD
IV	Industrial Cooling, spraying in mine pits or boiler feed	100 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. Dust Collection system of sufficient capacity shall be provided to source of SPM/TPM.
- II. Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating locations and operated properly.
- III. The scrubber of adequate capacity shall be provided to pickling section, GP line, chromate fume exhaust and acid recovery plant to limit the process emission.
- IV. There shall not be any secondary (fugitive) emissions.

**b. Standards for Emissions of Air Pollutants:**

- |                      |               |                         |
|----------------------|---------------|-------------------------|
| (i) SPM/TPM          | Not to exceed | 150 mg/Nm <sup>3</sup>  |
| (ii) SO <sub>2</sub> | Not to exceed | 3600 Kg/day             |
| (iii) Acid Mist      | Not to exceed | 35 mg / Nm <sup>3</sup> |

**6. Conditions for D.G. Set**

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be

provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.

- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

**7. Standards for Stack Emissions:**

The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Natural Gas for Boiler	500	M <sup>3</sup> /Hr
2	Or HSD for Boiler	468	Ltrs/Hr
3	HSD for D.G.set	250	Ltrs/Hr
4	Natural Gas for ARP	365	M <sup>3</sup> /Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler (10T/Hr)	35
2	ARP(3285 LPH)	30
3	Pickling line Scrubber (800 m <sup>3</sup> /Hr)	30
4	CRM	30
5	D.G.set (1000 KVA)	30

- (ii) 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.

(iii) 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.

(iv) **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.

**8. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:**

(i) The Industry shall handle hazardous wastes as specified below.

Sr. no.	Type of waste	Quantity	UOM	Disposal
1	5.1 Used /Spent oil	1.0	MT/M	At CHWTSDF/ Sale to CPCB/ SPCB approved Recycler.
2	5.2 Waste residue containing oil	1.0	MT/M	At CHWTSDF/ Sale to CPCB/ SPCB approved Recycler.
3	34.3 Chemical sludge from waste water treatment	10	MT/M	At CHWTSDF

(ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
  - a. 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.

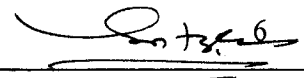
**9. Industry shall comply with following general conditions:**

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.



- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. 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.
- vi. 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.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric 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.
- xi. 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.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

**10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.**



11. Industry shall not effective steps towards implementation /operation of Phase-II, Phase-III and Phase -IV work without obtaining prior permission/Consent from the Board.

12. Industry shall submit the Bank Guarantee of Rs. 5 Lakhs validity of one year period in the Board within one month period towards ensurance for commissioning of Acid Recovery Plant by 31.10.2012 till that time the effluent generated shall be stored in tanks.

13. This Consent is issued pursuant to the decision of the CAC meeting dtd. 21.08.2012.

13. The total Capital investment of the industry is Rs. 151/- Crores.

For and On Behalf of the  
Maharashtra Pollution Control Board,

  
(Milind Mhaiskar, IAS)  
Member Secretary

To,  
M/s. Asian Colour Coated Ispat Ltd.,  
(Phase – I Project)  
Village Dahivali,  
Tal. Khalapur, Dist: Raigad.

Copy to:

- 1) Regional Officer, MPCB, Raigad. - He is instructed to submit the Compliance report of the industry within one month period.
- 2) Sub-Regional Officer, Raigad-I MPCB, Navi Mumbai.-
- 3) Chief Accounts Officer, MPCB, Mumbai
- 4) Cess Branch/Master File

Industry has paid the consent fees as per the Environment Department G.R.dated 25.08.2011.

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs.3,02,000/-	134450	30.04.2012	Karnataka Bank.