

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

Red/LSI

Consent No. BO/JD(APC)/AUTORENEWAL/FTS No. 120227FT0097/R/CAC-355 Date 27/03/2012

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 under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary) Rules 2008. [To be referred as Water Act, Air Act and HW (M, H & T) Rules respectively].

CONSENT is hereby granted to

**M/s. Uttam Galva Metallics Ltd,
Bhugaon Link Road,
Bhugaon, Tal & Dist. Wardha-442 001,**

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: 31/03/2015**
2. **The Consent is valid for the manufacture of –**

<u>Sr.No.</u>	<u>Products</u>	<u>Maximum Quantity</u>
1.	Hot metal from blast Furnace (captive consumption)	4,72,000 MT/A
2.	Sinters (Captive consumption)	7,68,000 MT/A
3.	Metallurgical coke	2,00,000 MT/A

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 1800 M3.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 73 M3.

(iii) **Trade Effluent Treatment:**

The applicant shall provide comprehensive treatment system consisting of primary / secondary and / or tertiary treatment and 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)	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)	TDS	Not to exceed	2100 mg/l.
7)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.
9)	Chromium	Not to exceed	0.1 mg/l
10)	Total Chromium	Not to exceed	2.0 mg/l
11)	Total metal	Not to exceed	10 mg/l
12)	Iron	Not to exceed	5.0 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall be used in the process to the maximum extent and remaining shall be used on land for green belt development.

(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 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:**

<u>Sr. No.</u>	<u>Type of waste</u>	<u>Quantity</u>	<u>Disposal</u>
1.	Slag	158267MT/Yr	Landfill
2.	Machine returns	10000 MT/Yr	By reuse in own sinter plant
3.	Flue Dust	24000 MT/Yr	By reuse in own sinter plant
4.	Fly ash	12000 MT/Yr	Sale to brick & cement mfg. & landfill

(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:

(i) Domestic	...	83	CMD
(ii) Industrial Processing	...	---	CMD
(iii) Industrial Cooling	...	3135	CMD
(iv) Agriculture/Gardening	...	16	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:

- 1) Fume extraction system followed by dust collector of sufficient capacity shall be provided to mini blast furnace, raw material handling and coal crushing section..
- 2) Exhaust fan of adequate capacity shall be provided to exhaust fan house.

B) Standards for Emissions of Air Pollutants:

(i) SPM/TPM	Not to exceed	50 mg/Nm ³
(ii) So ₂ (from fuel burning equipments)	Not to exceed	29 T/day
(iii) So ₂ from process	Not to exceed	50 PPM

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

<u>Sr. No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1	Coal	2150 T/day
2	Coke	750
3	LDO	1.0

(III) **The applicant shall erect the chimney(s) of the following specifications:**

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs</u>
1	Blast Preheater	60
2	Sinter Plant Exhaust gas dedusting	100
3	Sinter plant dedusting	50
4	Waste heat recovery steam generators	60
5	Steam Generating Boilers	60
6	Metallurgical Coke Oven	90

(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.

VII) Conditions for D.G. Set :-

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] 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 metre from acoustic enclosure/room and then average.
- 3] 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 55 dB(A) during day time and 45 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.
- 4] 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.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

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

The applicant shall handle hazardous wastes as specified below:

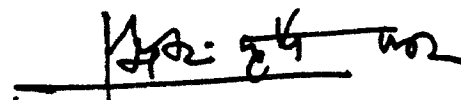
Sr. No.	Item No. of Process generating HW as Per Schedule-1	Type of Waste	Quantity	Disposal
1	5.1	Used/spent oil	0.2 MT/M	By Sale to authorized reprocessor
2	5.2	Oil residue		

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.

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9. The applicant shall comply with the conditions stipulated in the Environment Clearance granted by MoEF, Gol vide no.F.No.J-11011/77/2005-Ia II(I) dated 4.10.2010.
10. This consent is issued pursuant to the decision taken in Consent appraisal committee meeting of Board held on 20.03.2012.
11. The applicant shall install online continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website <http://mpcb.gov.in> as well as to the respective Regional Office.
12. The applicant shall install 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.
13. The industry shall comply with the direction issued by the Board time to time within stipulated time period and submit the compliance report periodically.
14. This consent is issued as per the Auto Renewal consent policy of the Board vide letter No.B-654 dated 30.1.2012.
15. The capital investment of the industry is Rs. 1096.00/- Crores.

For and On Behalf of the
Maharashtra Pollution Control Board.


(Milind Mhaiskar, IAS)
Member Secretary

To,
M/s. Uttam Galva Metallics Ltd,
Bhugaon Link Road,
Bhugaon, Tal & Dist. Wardha-442 001,

Copy to:

- 1) Regional Officer, MPCB, Nagpur./ Sub-Regional Officer, MPCB, Nagpur-II

They are directed to submit the performance report along with the results and compliance of directions issued by Board within one month period.

- 2) Chief Accounts Officer, MPCB Mumbai.

Received Consent fee of -

<u>Amount</u>	<u>D.D.No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs.65,76,100/-	822338	01.02.2012	State Bank of India

Consent Fees received as per revised consent fee GR of Env Deptt, GoM, dated 25.8.2011.

- 3) Cess Branch/Master file