


MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Date: 27/12/2012

Consent No:BOJD(APC)/EIC No. PN-15699-12/O-CC-784

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. Tata Motors Ltd
S. No. 59-62, P.O. Bebedohol,
Off Mumbai Pune Highway,
Tal. Maval, Dist. Pune 410 506

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:30/09/2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	S.G. Iron Casting	14,400	MT/A

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be NIL.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 80 M³.

(iii) Trade Effluent : N.A.

(iv) Trade Effluent Disposal: N.A..

- (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 domestic effluent shall be treated in sewage treatment plant & treated effluent which shall be used on land for gardening / plantation only.

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

Sr. No.	Type of Waste	Quantity/year	Disposal
1.	(a) Burnt mould sand, (b) Spent fine black sand from Fettling Yard and Shake-out, (c) Burnt, rejected and broken cores, (d) Broken furnace lining, (e) Hardened & unused core wash residues,	20,000 MT	Landfill
2.	Bag Filter Dust from (a) Sand Plant, (b) Tumbling machine and (c) Knock-out/Shake-out		
3.	Magnesium oxide dust/burr from Bag Filter attached to Pressure Chamber		
4.	Slag from melting operation	2,000 MT	By sale
5.	Mixed garbage from Office and Shop-floor	50 MT	By sale
6.	STP sludge (bio-degradable) + screenings	50 MT	Use as manure within premises
7.	Canteen waste	45 MT	Dispose to notified area

(viii) **Other Conditions:** Industry should 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 amendment Rules, 2003 there under**

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

Domestic	100 CMD
Industrial Processing generating bio Bio degradable waste water	200.0 CMD
Industrial Processing generating bio non bio degradable waste water	0.0 CMD
Industrial Cooling	50.0 CMD
Agriculture / Gardening	10.0 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:

Control Equipment: -

- i. Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating locations and operated properly.
- ii. There shall not be any secondary (fugitive) emissions.

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

Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	So ₂	Not to exceed	20.0	Kg/day

The applicant shall observe the following fuel pattern:

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	1.0	KL/Day

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

SN	Chimney No.	Chimney / Stack attached to...	Height (in meters)
1.	Ch-1	Melting Shop Fume Extraction System (FES)	25
2.	Ch-2	Pressure Chamber	18.2
3.	Ch-3	HSD Ladle Preheating - Fume Extraction System (FES)	25
4.	Ch-4	Sand Plant and Shake-Out (N) and Punch-out (S)	20
5.	Ch-5	DG Set (380 KVA)	10
6.	Ch-6	DG Set (1000 KVA) 2 chimneys (Left & Right)	11.5 (each)

- (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.

(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

7. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008:

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

S N	Waste* Category No. as per Rules	Description of Hazardous Waste		Quantity / Year	Mode of Disposal
		As per Schedule I of the Haz. Waste (M,H&TM) Rules, 2008	Waste description		
1.	5.1	Used/spent oil	Spent & contaminated oils	10 MT/Year	Sale to CPCB / MPCB "Registered Re-cyclers" / CHWTSDF
2.	5.2	Wastes/residues containing oil	Oil soaked garbage, chindi waste, etc.	20 MT/Year	CHWTSDF
3.	5.2	Wastes/residues containing oil	Scrap Oil / Fuel filters removed during machine / vehicle maintenance	1 MT/Year	CHWTSDF
4.	15.1	Asbestos-containing residues	Scrap - Insulating material/ Vehicle parts/ Personal	2 MT/Year	CHWTSDF

S N	Waste* Catego ry No. as per Rules	Description of Hazardous Waste		Quan tity / Year	Mode of Disposal
		As per Schedule I of the Haz. Waste (M,H&TM) Rules, 2008	Waste description		
	15.2		<i>Protective Equipment containing asbestos</i>		
5.	20.1	Contaminated aromatic, aliphatic or naphthenic solvents not fit for originally intended use	<i>All kinds of contaminated solvents & waste / spent thinners, Iso-propyl alcohol (IPA) etc.)</i>	2 MT/Y ear	CHWTSDF
	20.2	Spent solvents			
6.	21.1	Wastes and residues	<i>Paint sludge, thinned down /obsolete paint, hardened paint residues, scrap paint soaked filters, tins with hardened residue, hazardous garbage (paint/oil soaked cardboard, cotton waste, cloth etc.)</i>	5 MT/Y ear	CHWTSDF
7.	23.1	Wastes/residues (not made with vegetable or animal materials)	<i>(i) Uncured / scrapped resins, hardeners, sealants, adhesives, glues, putty etc. scrapped Araldite patterns etc., (ii) Residues of core adhesives / washes (ii) Scrap & shelf-life expired resins used in core sand making,</i>	5 MT/Y ear	CHWTSDF

S N	Waste* Category No. as per Rules	Description of Hazardous Waste		Quantity / Year	Mode of Disposal	
		As per Schedule I of the Haz. Waste (M,H&TM) Rules, 2008	Waste description			
8.	34.1	Flue gas cleaning residue	Soot from chimney / duct cleaning	1 MT/Y ear	CHWTSDF	
9.	---	'Hazardous Waste' as per Schedule-4: List of Non-Ferrous Metal Wastes applicable for registration of Re-cyclers	Copper based scrap consisting of brass/bronze/copper cuttings, punching, casting, bushing, turning & boring scrap etc. (Lot-HBTM-18)	5 MT/Y ear	Sale to CPCB / MPCB "Registered Re-cyclers"	
10	---		Used / scrapped electrical PVC coated copper cable, telephone cables, jelly filled telephone cables, copper druid etc., (Lot-HBTM-956)	5 MT/Y ear	Sale to CPCB / MPCB "Registered Re-cyclers"	
11	---		Used/scrapped copper electrodes	5 MT/Y ear		
12	---		MS attached with brass / copper / glass / rubber etc.	5 MT/Y ear		
13	---		Scrapped/Used Lead Acid Batteries with/without MS box, caps etc.	1 MT/Y ear	Sale to CPCB / MPCB "Registered Re-cyclers"	
14	---		'Hazardous Waste' as per Schedule-I of the "e-waste (Management Handling) Rules 2011" notified on 12/05/11	e-waste (waste electrical and electronic equipment)	1 MT	Sale to CPCB / MPCB "Registered Re-cyclers"

(ii) Treatment: - NIL

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

2. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.
 - 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.
 - b. 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.
 - c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Rule 5 of the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2008 and shown & submitted to the Board as & when asked for.

8. Industry shall comply with following additional 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 30th day of September every year, 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.

- 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.

9. This is issued with approval of Consent Committee meeting of the Board held dtd. 04/12/2012.

10. The Capital investment of the industry is Rs. 43.87/- Crs

(Rajeev Kumar Mital IAS)
Member Secretary

To,
M/s. Tata Motors Ltd.
S. No. 59-62, P.O. Bebedohol
Off Mumbai Pune Highway,
Tal. Maval, Dist. Pune 410 506

Copy to:

RO- MPCB Pune /SRO-MPCB Pune-II- They are directed to ensure the compliance of consent conditions and submit the status report within 1 month period

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	50,000/-	257608	12/10/2010	HDFC Bank
2	20,000/-	119343	18/12/2010	HDFC Bank
3	54,000/-	120734	15/03/2011	HDFC Bank
4	50,000/-	121411	29/04/2011	HDFC Bank
5	50,000/-	108317	20/10/2008	HDFC Bank
6	50,000/-	124733	14/11/2011	HDFC Bank
7	90,100/-	128919	18/09/2012	HDFC Bank