

# MAHARASHTRA POLLUTION CONTROL BOARD

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Consent No BU/JD(APC)/TB-2/EIC No.KN-5391-11/O/CC- 26 Date: 21/11/2011

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. Ghatge Patil Industries Ltd.,  
S. No. 362, A/365, A/4B, A/p- Uchgaon,  
Dist - Kolhapur.

at the premises 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 --- 31/07/2012.
2. The Consent is valid for the manufacture of -

S.No.	Product Name	Maximum Quantity	UOM
1	Power take offs & Marine Power Take offs	6000	Nos/M
2	Gate Valves	48000	Nos/M
3	S G Iron Casting	82	MT/M
4	Break Drum & Other Grey Casting	989	MT/M
5	Finishing of jobs	4000	MT/M
6	Aluminum Casting	25	MT/M
7	Electroless Nickel plating	500	Nos/M
8	Fluid Coupling	1000	Nos/M
9	Marine Gear Boxes	1500	Nos/M
10	Auto Power take offs	1500	Nos/M
11	Exhaust Products	3000	Nos/M
12	Electro Magnetic Clutches & Breaks	50	Nos/M

### 3. CONDITIONS UNDER WATER ACT:

(i) The daily quantity of trade effluent from the factory shall not exceed 2.30 M<sup>3</sup>.

(ii) The daily quantity of sewage effluent from the factory shall not exceed 30.9 M<sup>3</sup>.

(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	BOD 3 days 27 Deg. C	Not to exceed	100 mg/l
3	COD	Not to exceed	250 mg/l
4	Oil & Grease	Not to exceed	10 mg/l
5	Suspended Solids	Not to exceed	100 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.

(iv) Trade Effluent Disposal: The treated trade effluent shall reused/recycle to the maximum extent, excess if any, shall be used on land for gardening / plantation only. 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 domestic effluent shall be recycled and remaining shall be used on land for gardening / plantation only.

(vii) Non-Hazardous Solid Wastes:

Sr.No.	Waste Name	Quantity	UOM	Treatment	Disposal
1	Waste Sludge	560	MT/Yr.		Sale
2	Burnt Sand	24000	MT/Yr.		Secured landfilling
3	Burnt Slag and Ash	4200	MT/Yr.		Secured landfilling

(viii) Other Conditions: Industry should monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment rules, and more under

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

(i) Domestic	...	51.00 CMD
(ii) Industrial Processing	...	4.30 CMD
(iii) Industrial Cooling	...	20.00 CMD
(iv) Vehicle Wash & Refilling	...	0.00 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 shall 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 all dust generating locations shall be operated properly and continuously.
2. There shall not be any secondary (fugitive) emissions.

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

- |                      |               |                        |
|----------------------|---------------|------------------------|
| (i) SPMT/PM          | Not to exceed | 150 mg/Nm <sup>3</sup> |
| (ii) SO <sub>2</sub> | Not to exceed | 1.49 TVD               |

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

S. No.	Fuel	Quantity	Unit
1	Diesel	200	Litres/Hr.
2	Kerosene Oil	500	Litres/D
3	Coal	5.20	MT/Hr.

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

S. No.	Chimney Attached to	Height in Mtrs.
1	Heat Treatment	22
2	Paint Booth	22
3	Cupola	22
4	Aluminum Casting furnace	22
5	Plating unit	10
6	Sand Dryer	22
7	DC Iron Casting	20
8	DC Set (1370 KVA)	22
9	BMD Shot Blasting	10
10	VF BMD Shot Blasting	10
11	Induction Furnace	22

(iii) 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.

(iv) 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.

**(v) 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.

### 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 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.
- 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 IS: 17429-1999.
- 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.

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

The industry shall handle hazardous wastes as specified below.

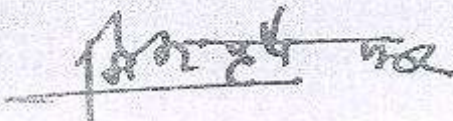
Sl. No.	Name of Waste	Quantity	UOM	Disposal
1	12.5 Phosphate Sludge	5	MT/Yr.	CHWTSDF
2	5.2 Wastes/ residue containing oil	2.5	MT/Yr.	CHWTSDF
3	21.1 Wastes and residues	4.40	MT/Yr.	CHWTSDF
4	5.1 Used/spent oil	10.0	KL/Yr.	CHWTSDF
5	5.2 Wastes/residue containing oil	7.50	MT/Yr.	Authorised recycler
6	21.1 Wastes from wet scrubbers	22.5	MT/Yr.	CHWTSDF
7	12.3 spent bath/sludge containing sulphide, cyanide	3.6	Kg/Yr.	CHWTSDF
8	12.9 Chemical Sludge from waste water treatment	300	Kg/Yr.	CHWTSDF

Whenever due to any accident or other unforeseen act or event, such emissions occur or are 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.

The factory 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 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.

10. 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 access point 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.
- XIII. The industry shall provide Environmental Friendly road transportation or sweeping mechanical type closed truck for transportation of minerals and metals as well as Ash with effect from 01/04/2012.
9. You shall install STP for treatment of domestic effluent of 30.90 CMD.
10. You shall strictly follow the conditions stipulated in restart order issued by the Board vide dated 23/11/2010.
11. This is issued with the approval of Consent Committee meeting of the Board in its meeting held on 01/10/2011.
12. The Capital investment of the industry is Rs.98.68/- Crs.
13. This is issued with approval of the Chairman of the Board.

  
 (Milind Mhaiskar, IAS)  
 Member Secretary

To,  
 M/s. Ghatge Patil Industries Ltd.,  
 S. No. 362, A/365, A/4B, A/p- Uchgaon,  
 Tal. Chitambar, Dist. Solapur.

a. ITO/Kolhapur/SRO- Kolhapur- They are directed to submit the detail report of air pollution control within 1 month period.

b. CAO/Cess Branch/Master File

Received Consent fee of -

S.No.	Amount	DD No.	Date	Drawn On
1	₹ 1,000/-	008894	02/12/2010	Union Bank of India
2	₹ 1,500/-	000095	12/11/2010	IDBI
3	₹ 50,000/-	001065	03/10/2011	IDBI

\* Consent fees received as per the revised consent fee GR of Env't. Dept., GoM, dated 25/08/2011