

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd - 4th Fl.

Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai-400 022.

Red/L.S.I

Consent No. BO/JD(APC)/EIC No. KP-10215-12/R/CC- ^{CA-499} Date: 12/7/2012

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. Ghatge Patil Industries Ltd.
Sr.No. 362,A/365A,4B,Uchagaon,
Taluka: Karveer, Dist:Kolhapur.

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: 31/07/2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Power Take offs and marine power take offs	6000	Nos /Month
2	Fluid Coupling	1000	Nos /Month
3	Marine Gear Boxes	1500	Nos /Month
4	Auto Power take offs	1500	Nos /Month
5	BEML products	3000	Nos /Month
6	Electro magnetic Clutches and Brakes	50	Nos /Month
7	Gate Valves	18,000	Nos /Month
8	S.G.Iron Casting	82	MT/M
9	Brake Drum and other Grey Casting	989	MT/M
10	Electroless Nickel Plating	500	Nos./M
11	Painting jobs	4000	MT/M
12	Aluminum Casting	25	MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 5.5 M³.
 (ii) The daily quantity of sewage effluent from the factory shall not exceed 30.0 M³.

(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 30 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	Nickel (as Ni)	Not to exceed 3.0 mg/l
8	Hexavalent Chromium as Cr+6	Not to exceed 0.1 mg/l.
9	Total Chromium (as Cr')	Not to exceed 2.0 mg/l.
10	Copper (as Cu)	Not to exceed 3.0 mg/l.
11	Iron (as Fe)	Not to exceed 3.0 mg/l.
12	Total metal	Not to exceed 10.0 mg/l.

(iv) **Trade Effluent Disposal:** The treated effluent shall use on land for gardening in their own 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 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	Quantity	UOM	Treatment	Disposal
1	Turning and Boring waste scrap	960	MT/Year	--	Sale to the outside party
2	Burnt Slag	4200	MT/Year	--	Landfill
3	Burnt Sand	24000	MT/Year	--	/Brick manufacture Landfill /Brick manufacture

(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:

(i) Domestic	...	51.0 CMD
(ii) Industrial Processing	...	4.3 CMD
(iii) Industrial Cooling /Boiler	...	20.0 CMD
(iv) Agriculture / Gardening	...	20.0 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. Fumes extraction system followed by dust collection system shall be provided to shot blasting, sand handling, Induction Furnace, cupola furnace, BMD shot blasting, VP BMD shot blasting, any other sources of SPM/TPM. Industry shall provide SO₂ scrubber of sufficient capacity to S.G.Iron casting.

ii. To achieve the standards foundry shall install scrubber followed by a stack of height six times the diameter of cupola beyond the changing door.

iv. There shall not be any fugitive / secondary emission.

Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	So ₂	Not to exceed	300	mg/Nm ³ at 12 % CO ₂ emission.

The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	200	Ltrs /Hr
2	Hard Coke	5.2	MT/Hr
3	Furnace Oil	50	Ltrs/Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	D.G. Set (750, 310 KVA X 2 nos.)	22.0 above the ground
2	Heat Treatment	22.0
3	Sand Dryer	22.0
4	S.G.Iron Casting	20.0
5	BMD Shot blasting	10.0
6	VP 18 Shot blasting	10.0
7	Induction furnace	22.0
8	Paint booth	22.0
9	Aluminum Casting Furnace	22.0
10	Cupola Furnace	22.0
11	Electroless Nickel plating unit	10.0

- (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.

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

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

Sr. N.	Type Of Waste	Quantity	UOM	Disposal
1	12.3 Spent Bath Sludge	3600	Kg/Year	A t CHWTSDF
2	34.3 ETP Sludge	5.3	MT/Year	A t CHWTSDF
3	5.1 Used oil / Spent oil	10	KL/Year	Sale to authorized reprocessor
4	5.2 Oil Soaked cotton rags	2.5	MT/Year	A t CHWTSDF
5	21.1 Paint residue	12	MT/Year	A t CHWTSDF
6	36.1 Wet scrubber sludge	22.5	MT/Year	A t CHWTSDF

- (ii) Treatment: - NIL

1. 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 Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.

7. 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.

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- 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.
8. **Industry shall submit the Bank Guarantee of Rs. 5.0 lacs (Rupees Five Lacs) for Operation & Maintenance of ETP and air pollution control devices so as to achieve the consented standards, in favour of Regional Officer, Kolhapur, valid for period upto 31/07/2013, within 15 days from the date of grant of this consent.**
9. The total Capital investment of the industry is Rs. 122.72 Crores.
10. This is issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 03/07/2012.



 (Milind Mhaiskar, IAS)
 Member Secretary

To.
 M/s. Ghatge Patil Industries Ltd.
 Sr.No. 362,A/365,A/4B,Ucha Gaon,
 Taluka: Karveer, Dist: Kolhapur.

Copy to:
 RO- MPCB Kolhapur /SRO-MPCB Kolhapur
 - They are directed to obtain Bank Guarantee of Rs. Rs. 5.0 lacs (Rupees Five Lacs) from industry and & submit the detail report of compliance of consent conditions & pollution control system regularly.

CAO/Cess Branch/Master File
 Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	245458/-	000123	04/05/2012	IDBI Bank