

MAHARASHTRA POLLUTION CONTROL BOARD

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Near Sion Circle, Sion (E),
Mumbai - 400 022



Ref./S.I

Date: 12/07/2012

Consent No: BO/JD(APC)/EIC No.PN-14073-12/O/CC-CAC-493

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. Mahindra Hinoday Industries Ltd.
Gat No.309,318 & other, Urse,
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:

- The Consent to operate is granted for a period up to 31/05/2015
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Iron Castings	162800	MT/A
2	Machining of various casting components	480000	Nos./Y

(Without electroplating & pickling)

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 212 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.

(D) 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 treated at Sewage treatment Plant. Overflow, if any, shall be used on land for gardening / plantation only.

Non-Hazardous Solid Wastes:

Sr. No.	Type of Waste	Quantity	UOM	Disposal
1	Metal Scrap	15.00	Ton/D	By Sale
2	Black Sand	128.00	Ton/D	Landfilling/Brick Making
3	Metal Slag	16.00	Ton/D	By Sale
4	STP sludge	180.00	Kg/M	Used as manure

Other Conditions:

1. The unit shall carry out monthly monitoring of treated domestic as well as industrial effluent and submit the report of the same to the Board regularly
2. The unit shall take necessary efforts for segregation of solid waste at source only and disposal suitable waste regularly. The records showing waste segregation at source to be maintained.
3. The unit shall take necessary efforts regarding rain water harvesting every monsoon.
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:

(a) Domestic	...	250.00 CMD
(b) Industrial Processing	...	00.00 CMD
(c) Industrial Cooling	...	1420.00 CMD
(d) Industrial Processing & floor washing	...	0.00 CMD
(e) Agriculture/ Gardening	...	82.00 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 operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

a. Control Equipment:

- (i) Fume extraction system followed by Dust collection system of sufficient capacity should be provided to all sources of SPM/TPM shall be operated properly and continuously
- (ii) The industry shall take all necessary precautions to control noise pollution in the industrial activities and also nuisance due to vibration generated due to hammering operations. The industry shall take suitable acoustic measures including shielding enclosures noise barriers etc. to control the noise levels within norms stipulated to avoided nuisance in the surrounding
- (iii) There shall not be any secondary (Fugitive) emissions.

b. 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.

c. Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150 mg/Nm ³
(ii)	SO ₂	Not to exceed	44.0 Kg/Day.

d.(1) The applicant shall observe the following fuel pattern:-

Sl. No.	Fuel	Quantity	UOM
1	Electricity	2.70	MW
2	HSD	60,000	Litres/M

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Fume collection in melting furnace (3 nos.)	30.00
2	Shot Blasting (4 No)	12.00
3	Core Drying Ovens (3 No)	16.00
4	Paint booth (2 nos)	1.00
5	D.G. Set (320 KVA) 3 nos	3.00
6	D.G. Set (50KVA)	12.00
7	Cold box core making shop (2 No)	12.00
8	Shot Blasting (3 No)	14.00
9	Core Drying Ovens (2 No)	12.00
10	D.G. Set (180 KVA)	12.00
11	Dust collection system in sand plant & moulding (3 nos.)	30.00
12	Cold box core making shop (2 No)	16.00

- 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.
- 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.

(iii) Other Conditions:

- The industry should not cause any nuisance in surrounding area.
- The industry should monitor stack emissions and ambient air quality regularly.
- The D.G. Set shall be utilized as a stand-by power source and shall be operate only in case of power failure.

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

(a) The industry shall handle hazardous wastes as specified below

Sr. No.	Description of Waste	Amount (kg)	Uoq	Disposal
1	5.1.1 Disposed contain panels/filters	300.00	Kg/D	sale to reprocessor
2	2.1.1 Wastes and residue	70.00	Kg/D	C=WTSDf
3	5.2 Wastes residue containing oil	136.00	Kg/D	C=WTSDf
4	5.1.1 Used spent oil	505.00	Lit/D	sale to reprocessor
5	B-11 Used Batteries	20	Kg/D	sale to reprocessor
6	B-Waste	70	Kg/D	sale to reprocessor

- 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.
9. 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 assigned and provided collection system
 10. 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. This issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 03/07/2012.
 12. The applicant shall comply with the condition stipulated in the Environmental Clearance granted by MoEF, GoI vide letter No.J110/1/30/98-IA II dated 23/11/1998 & SEAC-2010/CR-190/TC-2 dated 19/11/2010 No.JSEAC-2010/CR-190/TC-2 dated 19/11/2010
 13. You shall submit Bank Guarantee of Rs. 5/- Lakh in favor of Regional Officer Pune within 15 days against commissioning of Sewage treatment plant before 11.07.2012. The Bank Guarantee shall be valid one year period.
 14. This consent is issued in supersession of earlier consent vide No.BO/JD(APC)/TB-2/EIC No. PN-6544-10/O/CC-453 dated 23/09/2011
 15. The total Capital investment of the industry is Rs 322.05 Crs

Milind Mhaiskar

Milind Mhaiskar IAS)
Member Secretary

To,
M/s. Mahindra Hinoday Industries Ltd.
Gat No.309,318 & other, Urse,
Tal. Maival. Dist Pune 410 506

Copy to:

1. Regional Officer/Sub-Regional Officer, MPCB, Pune II-they are directed to ensure the Compliance of consent conditions & obtain the B.G. of Rs. 5/- Lakhs from the industry within 1 month.

2. Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD No.	Date	Drawn On
1	1436520	272255	08 May 2012	Bank of Baroda