

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion-Matunga Scheme Rd. No.8,
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Mumbai-400 022.

RED/LSI

Date 25/06/2012.

Consent No. BO/JD(APC)/ EIC NO NK-10787-12/R/CC-466
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 (MH & TM) Rules respectively].

CONSENT is hereby granted to

M/s Mahindra Sona Ltd.,
Plot No.89/1-A,
MIDC Satpur, Nashik-422 007

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(MH&TM) 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 – 31.10.2014.
2. The Consent is valid for the manufacture of –

Sr. No.	Product	Maximum Quantity (Nos./Month)
1	Propeller Shafts	35000
2	Cover Assembly	20000
3	Driver Plates	35000
4	Male Yoke Shaft	2500
5	Axle Shafts	6700
6	Universal Joint Kits/Steering Joints	105000
7	Plug Spline	40000
8	Bearing Stub Shaft	20000
9	Spindle & Sleeve	50000

3. **CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 15.5 m³
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 53.3 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:

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3 days 27°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/lit.
7)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.
9)	Phosphate	Not to exceed	5.0 mg/l.
10)	iron	Not to exceed	5.0 mg/l.
11)	Zinc (as Zn)	Not to exceed	5.0 mg/l.
12)	Total Metal	Not to exceed	10.0 mg/l.

- (iv) **Trade Effluent Disposal:** The treated effluent shall be reused/recycle back into process for cooling purpose and remaining treated effluent shall be utilized on land for gardening/plantation in the premises 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 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>Treatment</u>	<u>Disposal</u>
1.	Empty Plastic drum	50 nos. /Month	...	By sale to authorised party
2.	M.S.Turning & Boring	70.5 MT/Month	...	By sale to authorised party
3.	M.S.Drums(200Lit)	10 Nos./Month	...	By sale to authorised party
4.	Forging Scrap (rejected & defected)	5 Mt/Month	...	By sale to authorised party
5.	M.S.Scrap	1.5 MT/month	...	By sale to authorised party
6.	Plastic Carbo(40 lit)	5 Nos./Month	...	By sale to authorised party
7.	Steel,tubes,bar end pieces	1.92 MT/Month...	...	By sale to authorised party
8.	Plastic Carbo(5 lit to 35 lit)	60 nos/Month	...	By sale to authorised party
9.	Empty Metal Drum(205 lit)	10 Nos./Month	...	By sale to authorised party
10.	wooden Scrap	3.25 MT/Month	...	By sale to authorised party
11.	Forging and casting	175 MT/month	...	By sale to authorised party
12.	Water base grinding muck	420 kg/Month	...	By sale to authorised party
13.	Empty barrels & Cans	60 nos/Month	...	By sale to authorised party
14.	Plastic Durums(200 Lit)	20 nos/Month	...	By sale to authorised party

- (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:

Domestic	60.0 CMD
Industrial processing generating Bio-Degradable waste water	15.5 CMD
Industrial processing generating Non-Bio-Degradable waste water	--- CMD
Industrial Boiler/Cooling etc.	3.5 CMD
Any other and gardening.	... 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) Adequate Scrubber of sufficient capacity shall be provided to Painting and Phosphating section and shall be operate and maintain properly.
- 2) Fume extraction system followed by dust collector of sufficient capacity shall be provided to all sources of SPM/TPM and operate and maintain properly & continuously so as to achieve the following standards.
- 3) There shall not any secondary, (fugitive) emissions.

:3:

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 150 mg/Nm³
- (ii) Acid Mist Not to exceed 35 mg/Nm³
- (iii) **The applicant shall observe the following fuel pattern:-**

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity.</u>
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- (iv) **The applicant shall erect the chimney(s) of the following specifications:-**

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Blacodising	6.30
2	Phospheting	6.30
3	Heat Treatment	10.00
4	Paint Booth 3	3.20
5	LPG Paint booth	15.00
6	Pant booth 8	4.57

- (vi) 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.
- (vii) 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.

(vii) **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 (MH & TM) RULES, 2008:

(i) The applicant shall handle hazardous waste as specified below:-

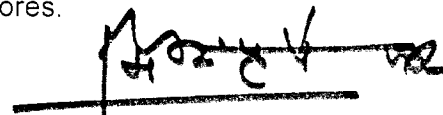
Sr. No.	Item No. of Process Generating H.W. as per schedule-I	Type of Waste	Quantity	Disposal
1.	5.1	Used/Spent Oil	385 Lit/Month	To authorized reprocessor/ recycler
2	5.2	Waste residue containing oil	175 kg/Month	
3		Asbestos line Waste cutting	100 Nos/Month	
4	33.3	Discarded contaminated empty barrels and cans	60Nos /month	
5	34.3	Chemical sludge from waste water treatment	3.0 MT/Month	CHWTSDF
6	21.1	Paint sludge/residue	300 kg/Month	
7	12.1 & 12.5	Acid residue & phosphate sludge	Irrespective of any quantity	
8	5.2	Oil soaked cotton waste and handgloves	175 kg/Month	

- (ii) The authorization is here by granted to operate a facility for collection, storage, transport & disposal of hazardous waste.

- 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.
 - (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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 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.
 - (iv) 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.
 - (v) 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.
 - (vi) 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.
 - (vii) 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.
- 9. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 10. This is issued pursuant to the decision of Consent Committee meeting of the Board held on 20th January 2011.**
- 11. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.**
- 12. The applicant shall submit the irrevocable operational bank guarantee of Rs.5.0/- Lakhs drawn in favour of RO MPCB Nashik within 15 days valid for one year towards operation and maintenance of Pollution control system so as to achieve the standards prescribed in the consent.**
- 13. The total capital investment of industry is Rs.44.32/- Crores.**



 (Milind Mhaiskar, IAS)
 Member Secretary

To,
M/s Mahindra Sona Ltd.,
Plot No.89/1-A,
MIDC Satpur, Nashik-422 007

Copy to:

1) Regional Officer, MPCB, Nashik 2) Sub-Regional Officer, MPCB, Nashik

They are directed to obtain operational **bank guarantee of Rs.5.0/- Lakhs** from the **industry and** submit the performance report along with monitoring results within one month period and ensure the compliance of consent conditions. 3) 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. 2,25,100/-	010227	14.10.2011	ICICI Bank

4] Cess Branch, MPCB.