

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781
/4037124/4035273
Fax : 24044532/4024068 /4023516

Email : apae@mpcb.gov.in

Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga
Scheme Road No. 8 Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E).

Mumbai - 400 022

Red/L.S.I

Date: 09.12.2013.

Consent No: BO/JD (APC)/EIC No.NK -13521-12/R/CC- 10078

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 Sona Ltd.
Plot no. 89/1-A, Satpur MIDC, Nashik
Tal. Dist Nashik 422 007

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: 31/10/2014.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Propeller Shafts	90,000	No/M
2	Cover assembly	50,000	No/M
3	Driven Plates	1,00,000	No/M
4	Male yoke shaft	6,500	No/M
5	Universal Joint Kits/Steering Joint	2,00,000	No/M
6	Spindle & Sleeve	75,000	No/M
7	Axle Shaft	6700	No/M
8	Plug Spine	40,000	No/M
9	Bearing stub Shaft	20,000	No/M
10	Propeller Shafts (P-7)	25,000	No/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 16.0M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 70.0 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 standards as specified in schedule -VI of part A of Environmental protection Rules, 1986. These standards are applicable only for disposal of treated effluent on land for irrigation. Effluent standards applicable at the site delivery point.

1	pH	Between	5.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
5	COD	Not to exceed	250 mg/l.
6	TDS	Not to exceed	2100 mg/l.
7	Sulphates	Not to exceed	1000 mg/l.
8	Chlorides	Not to exceed	600 mg/l
9	Zinc (as Zn)	Not to exceed	5.0 mg/l
10	Total metal	Not to exceed	10.0 mg/l.
11	Phosphate	Not to exceed	5.0 mg/l.
12	Iron	Not to exceed	5.0 mg/l.

(iv) **Trade Effluent Disposal:** The treated effluent shall be reused /recycled back in to 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 27o C.	Not to exceed	100 mg/l.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Empty plastic drums	50	Nos/M		By sale to Authorized party
2	MS Turning & Boring	100.5	MT/M	-----	By sale to Authorized party
3	M.S. Durms (200 ltr)	10.00	No/M	-----	By sale to Authorized party
4	Forging scarp rejected and	5.00	MT/M	-----	By sale to Authorized

	defected				party
5	M.S. Scrap	1.5	MT/M	----	By sale to Authorized party
6	Plastic Carboy (40 ltr)	55.00	No/M	----	By sale to Authorized party
7	Steel Tubes & Bars end pieces & Machine Scrap	3.92	MT/M	----	By sale to Authorized party
8	Plastic Carboy (5 ltr to 35 ltr)	80.00	No/M	----	By sale to Authorized party
9	Empty Metal Durms (205 ltr)	130.00	No/M	----	By sale to Authorized party
10	Wooden Scrap	3.25	MT/M	----	By sale to Authorized party
11	Forgines & Castings	177.00	MT/M	----	By sale to Authorized party
12	Water Base Grinding Muck	1020	Kg/M	----	By sale to Authorized party
13	Empty Barrels & Cans	110	No/M	----	By sale to Authorized party
14	Plastic Drums (200 Ltr)	140.00	No/M	----	By sale to Authorized party

(vii) **Other Conditions:**

- 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
- The unit shall take necessary efforts for segregation of solid waste at source only and disposal salable waste regularly. The records showing waste segregation at source to be maintained.
- The unit shall take necessary efforts regarding rain water harvesting every monsoons.

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	80.00 CMD
ii	Industrial Processing	17.0 CMD
iii	Industrial Cooling	53.5 CMD
iv	Agriculture / Gardening	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 operate and 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 collection system of sufficient capacity shall be provided at all dust generating locations and operated properly and continuously.
2. Fume extraction system followed by Scrubbing system sufficient capacity shall be provided to all sources of gaseous emission and at phosphating and painting section.
3. There shall not be any secondary (fugitive) emissions.

B) Standards for Emissions of Air Pollutants :

i	SPM/TPM	Not to exceed	150 mg/Nm ³
iii	Acid Mist	Not to exceed	35 mg/Nm ³

C) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
		Nil	

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Paint Booth-II	4.50
2	Bacodising	6.30
3	Phosphating	6.30
4	Heat treatment	10.00
5	Paint booth 3	3.20
6	LPG paint booth	15.00
7	Paint booth 8	4.57

- E) 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.

F) 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.
- 3) The D.G. Set shall be utilized as a standby power source and shall be operate only in case of power failure.

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

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

Sr. N	Category	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	34.3	ETP Sludge	6.0	T/ M	----	CHWTSDf
2	5.1	Used oil/ Spent oil	10,385	Litrs / M	----	To Authorized Recycler / reprocessor
3	5.2	Oil soaked cotton waste and hand gloves	375.0	Kg/M	----	CHWTSDf
4	21.1	Paint sludge and residue	2100	Kg/M	----	CHWTSDf
5	--	Asbestos line waste cutting	300	Kg/M	----	Sale To Authorized Recycler.
6	33.3	Discarded /Empty containers barrels	310	Nos/ M	----	Sale To Authorized Recycler.
7	---	Filter Cloth	15	Kg/M	----	CHWTSDf
8	12.1 & 12.5	Acid residue and phosphate sludge	Irrespective of any qty	--		CHWTSDf

(ii) Treatment: - NIL.

- 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 general 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.
- ix. 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.
- x. 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
- xi. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

8. This issued with approval of Consent Committee meeting of the Board held on dtd. 27.11.2013.
9. Industry shall extend existing the Bank Guarantee of Rs. 5/- Lakhs validity up to 28.02.2015 within 15 days towards operation and maintenance of pollution controlling systems so as to achieve consent standards / and compliance of the same.
10. This consent is issued with the overriding effect of the earlier consent issued by the Board vide consent no.BO/JD (APC)/EIC No.NK-10787-12/R/CC-466 Date 25.06.2012.
11. The total Capital investment of the industry is Rs. 69.01 Crs.

This consent is issued as per empowerment delegated by Hon'ble Member Secretary to HOD's vide office note dated 11.11.2013.

For and On Behalf of the
Maharashtra Pollution Control Board,

(V.M.Motghare)

Joint Director [Air Pollution Control]

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

Copy to:

- 1) Regional Officer/Sub-Regional Officer, MPCB, Nashik- They are directed to obtain B.G. as per condition no. 9 and ensure the compliance of consent conditions & submit the performance report within 1 month period.
- 2) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1,35,100/-	733727	23.02.2013	ICICI Bank