


MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010437/24020781/24014701		Kalpataru Point, 2 nd - 4 th Fl.
Fax: 24024068 / 24023516		Opp. Cine Planet Cinema,
Website: http://mpcb.gov.in		Near Sion Circle, Sion (E)
E-mail: mpcb@vsnl.net		Mumbai-400 022.

Red/L.S.I

Date: 25/04/2012

Consent No: BO/JD(APC)/EIC No. PN-12983-12 / O/ ~~CC~~ CAC - 392

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 & Transboundry Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

.....
CONSENT is hereby granted to

M/s. Piaggio Vehicles Pvt. Ltd.
E-2 & F-1, MIDC Baramati,
Tal. Baramati, Dist. Pune 413 133

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: 31/03/2013.
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Three wheeler with multi fuels	4,21,900	Vehicles./Y
2	Four wheeler commercial vehicle with multi fuels	26,000	Vehicles./Y
3	Diesel Engines	4,200	No/M
4	Petrol engines	16,750	No/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 623M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 311 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 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)	Chlorides	Not to exceed	600 mg/l.
8)	Sulphates	Not to exceed	1000 mg/l.
9)	Dissolved Phosphate	Not to exceed	5.0 mg/l
10)	Total Metal	Not to exceed	10 mg/l
11)	Iron	Not to exceed	3.0 mg/l
12)	Nickel	Not to exceed	3.0 mg/l
13)	Copper	Not to exceed	3.0 mg/l

(iv) **Trade Effluent Disposal:** The treated effluent shall use on land for gardening. 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) **Sewage Effluent Disposal:** The domestic effluent shall be treated in sewage treatment plant. Treated domestic effluent shall be used on land for gardening / plantation only.

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

Sr. No	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	MS+Steel scrap	1268.00	MT/A		sale
2	Wooden planks	980.00	MT/A		sale
3	Cartons	2248.00	MT/A		sale
4	General garbage	2024.00	MT/A		sale
5	Toughned glass	320.00	MT/A		sale
6	Plastic barrels 210	3152	Nos/A		sale
7	Plastic barrels 1000	295	Nos/A		sale
8	Plastic barrels 20/25/30/35 Lits	6166	Ncs/A		sale
9	MS Drums 200 Lits	1428	Ncs/A		sale
10	MS Drums 20 Litr	91072	Ncs/A		sale

(vi) **Other Conditions:** The industry should monitor effluent quality regularly and submit the monthly report to the Regional Office of Board at Pune and also Cess division of Board.

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	...	347.00 CMD
(ii) Industrial Processing	...	524.00 CMD
(iii) Industrial Cooling	...	336.00 CMD
(iv) Agriculture / Gardening	...	00.00 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) Painting activity shall be carried out in an enclosed shed
- iii) 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
(ii) SO ₂	Not to exceed	578.5 Kg/Day.

c. Conditions for D.G. Set

Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.

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

Type fuel used & quantity

Sr. No.	Type Of Fuel	Quantity	UOM
1	LDO	461.00	Lit/hr
2	LPG	20.00	Lit/hr
3	HSD	511.00	Lit/hr
4	Petrol	2.92	Lit/hr

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

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

Sr.No.	Chimney attached to	Height in Mtrs.
1	Pre-Treat (Hot W/R)	20.5
2	Pre-Treat (Pre. Deg.)	20.5
3	Pre-Treat (Deg.)	20.5
4	Pre-Treat (Phos)	20.5
5	E-Coat (E-Coat Exh)	20.5
6	ED-Oven (Hood Exh)	20.5
7	ED-Oven (Inside Exh)	20.5

8	ED-Oven (Ccooler Supply)	19.5
9	ED-Oven (Ccooler Exh)	20.5
10	Work Area (Sanding Exh.)	20.5
11	Work Area (U/B Exh.)	20.5
12	Sealer Oven (Inside Exh.)	20.5
13	Sealer Oven (Cooler Supply)	19.5
14	Sealer Oven (Cooler Exh.)	20.5
15	T/Coat Oven (Inside Exh.)	20.5
16	T/Coat Oven (Hood Exh.)	20.5
17	T/Coat Oven (Cooler Supply)	19.5
18	T/Coat Oven (Cooler Exh)	20.5
19	Work Area (Cold Touch Exh.)	20.5
20	Work Area (Hot Touch Exh.)	20.5
21	Work Area (Hot Touch Exh.)	20.5
22	Paint Kitchen (P/Kith Exh.)	20.5
23	ED-Oven (Heat Up) (Hex Exh)	21.5
24	T/Coat booth-1(Ex. Duct-Tack-o-Rag)	19.0
25	T/Coat booth-1(Ex. Duct-Blower-1)	19.0
26	T/Coat booth-1(Ex. Duct- Blower-2)	15.0
27	T/Coat booth-1(Ex. Duct-Flash off)	15.0
28	T/Coat booth-1(Ex. Duct-Tack-o-Rag)	12.0
29	T/Coat booth-1(Ex. Duct- Blower-1)	15.0
30	T/Coat booth-1(Ex. Duct- Blower-2)	19.0
31	T/Coat booth-1(Ex. Duct-Yellow patta)	12.0
32	Sealer Oven (Hex Exh)	21.5
33	ED Oven (Hcld Zone) (Hex Exh)	21.5
34	T/Coat Oven (Hold Zone) (Hex Exh)	21.5
35	T/Coat Oven (Hetal up) (heat exh.)	21.5
36	Exh. T/Coat Booth (Tac. Rag/Booth Exh)	20.5
37	Jig stripping	30.0
<u>WOW Paint Shop</u>		
38	Hot Water Boiler (Boiler Exhaust)	30
39	TC Oven Exhaust	12
40	Dry off oven	12
41	Tag 'O' rag (Exhaust fan)	12
42	Primer + underbody booth exhaust	12
43	Primer + flash off -1 booth exhaust	12
44	Top coat + flash off -2 booth	12
45	Paint kitchen	12
46	Hot touchup exhaust	12
47	Hood exhaust (oven)	12
48	Inside exhaust (oven)	12
<u>Vehicle Assembly</u>		
49	3W Assly-Dynamometer -1	10
50	3W Assly-Dynamometer -2	10
51	3W Exhaust system	10
52	3W Exhaust system-rework area	10
53	4W Assly-Dynamometer	12
54	4W Exhaust system	12
55	3W Exhaust system-rework area	10
<u>R & D</u>		
56	Engine Dynamometer	08
57	Chassis Synamometer	08
58	QAD Dynamometer	07

DG Sets

59	DG Set (180 KVA)	10
60	DG Set(320 KVA)	10
61	DG Set (400 KVA X 2)	10
62	DG Set (500 KVA X 2)	10

Engine Plant

63	Leader testing	13.5
64	Diesel testing	13.5
65	Utility room	13.5
66	Leader testing	13.5
67	Machine Shop-I	13.5
68	Machine Shop-I	13.5

6. 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.
7. 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:

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality Regularly.

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

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1	5.1 Used /spent oil	129.00	Kg/D	Auth reprocessor
2	5.2 Wastes/residue containing oil	13.00	Kg/D	CHWTSDF
3	12.5 Phosphate sludge	713.00	Kg/D	CHWTSDF
4	12.9 Chemical sludge from waste water treatment	137.00	Kg/D	CHWTSDF
5	20.2 Spent solvents	8.00	Kg/D	CHWTSDF
6	21.2 Fillers residues	1420.00	Kg/D	CHWTSDF
7	33.3 Discarded containers / barrels / liners	102307.00	Kg/D	CHWTSDF
8	34.3 Chemical sludge from waste water treatment	400.00	Kg/D	CHWTSDF
9	36.2 Ash from incineration hazardous waste	4.00	Kg/D	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 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 & TRANSBOUNDRY MOVEMENT) RULES, 2008 and shown & submitted to the Board as & when asked for.

9. Industry shall comply with following general conditions:

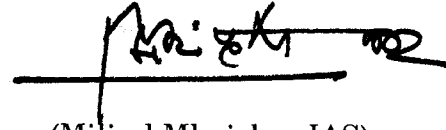
- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
- ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. 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

10 This is issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 16/04/2012.

11 Industry shall submit Bank Guarantee of Rs.2,00,000/- in favor of Regional Officer Pune within 15 days against provide APC system to the paint booth. The Bank Guarantee shall be valid for one year.

12. The Capital investment of the industry is Rs. 693.24 Crs.



(Milind Mhaiskar IAS)
Member Secretary

To,
M/s. Piaggio Vehicles Pvt. Ltd.
E-2 & F-1, MIDC Baramati,
Tal. Baramati, Dist. Pune 413 133

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. 2/- Lakhs from the industry & submit the detail report of pollution control System within 1 month period.

2) Chief Accounts Officer, MPCB, Mumbai

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100	031238	01 Feb 2012	ICICI Bank
2	13,86,500	031255	03 Feb 2012	ICICI Bank
3	1,00,000	31313	17 Feb 2012	ICICI Bank