

MAHARASHTRA POLLUTION CONTROL BOARD

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EIC No. PN-1720-07

RED/ LSI

Consent No. BO/JD(APC)/PN-8959-11/R/GG- cAC - 12

Date: 16/11/2011

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) Rules 1989 and Amendment Rules, 2003. [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, MIDC, Baramati,
Pune. 413 1333

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 - 31.3.2012

2. The Consent is valid for the manufacture of -

Sr.No.	Product	Maximum Quantity
1.	Three Wheelers with Multi Fuels	1,69,900 Vehicles/Yr
2	Four Wheelers Commercial Vehicles with Multi Fuels	15000 Vehicles/Yr
3	Diesel Engine	4200 Nos/M
4	Petrol Engine	16750 Nos/M

3. CONDITIONS UNDER WATER ACT :

(i) The daily quantity of trade effluent from the factory shall not exceed 379 M³.

(ii) The daily quantity of sewage effluent from the factory shall not exceed 119 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.

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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 maximum quantity of treated effluent shall be reused in process and balance may be used 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	100.0	mg/l.
(2)	BOD 3 days 27° C.	Not to exceed	30.0	mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be get cleaned periodically. Overflow, if any, shall be used on land for gardening/plantation only.

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

Type of waste	Quantity	Treatment	Disposal
Wooden Plastic,			
Cardboard material	412 MT/Yr }		Sale to auth. Party
M.S. Scrap	369 MT/Yr }		
General Garbage	650 MT/Yr }		
Cartons	1161 MT/Yr }		
Glass	240 MT/Y }		

(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 industry falls in the 1st category of the Cess Act and the Rules made there under.

The daily water consumption for the following categories is as under:

(i) Domestic	...	155	CMD
(ii) Industrial Processing	...	430	CMD
(iii) Industrial Cooling	...	31	CMD
(iv) Agriculture/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:

Control Equipment:

- 1) Scrubber of sufficient capacity shall be provided to scrub the process emissio operate & maintain properly.
- 2) Dust collector of sufficient capacity shall be provided to every source of SPM/TPM operate & maintain properly.
- 3) Painting activity should be done in an enclosure.

Conditions for D.G. Set:-

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] 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.
- 3] 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 75 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 0p.m and night time is reckoned between 10 p.m to 6 a.m.
- 4] 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.
- 5] Installation of DG Set much be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] D.G. Set shall be operated only in case of power failure.
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

Standards for Emissions of Air Pollutants:

(i)	SPM/TPM	Not to exceed	150	mg/Nm ³
(ii)	So2	Not to exceed	100	Kg/day
(iii)	H2SO4 Mist	Not to exceed	50	mg/Nm ³
(iv)	NOx	Not to exceed	50	PPM

- (ii) The applicant shall observe the following fuel pattern:-

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	493.70 KL/day

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

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
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 (Cooler Supply)	19.5
9	ED-Oven (Cooler 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 (Hold 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
WOW Paint Shop		
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
Vehicle Assembly		
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
R & D		
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

- (iv) 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.
- (v) 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.
- (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 HW (M&H) RULES, 1989 & AMENDMENT RULES:**

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

Sr. No.	Item No. of Process Generating H.W. as per Schedule-I	Waste Substance contain as per class of Schedule-II	Type of Waste	Quantity	Disposal
1	5.1	--	Used Oil	82 MT/M	To auth. Party
2	5.2	--	Waste/Residue Containg Oil	337 MT/M	CHWTSDF
3	12.2	--	Alkali Sludge	0.03 MT/A	
4	12.5	--	Phosphate Sludge	60 MT/A	
5	12.9	--	ETP Sludge	40 MT/A	
6	21.2	--	Paint Sludge	100 MT/A	
7	33.3	--	Discarded Containers	10 MT/M	
8	34.3	--	Chemical Sludge from ETP	125MT/M	
9	36.6	--	Ash from incineration of hazardous waste	1.30MT/A	

(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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 - 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. This is issued with approval of Consent Appraisal Committee meeting of the Board held dtd. 19/10/2011

9. Total Capital investment of the industry is Rs. 623.05/-Crs

(Milind Mhaiskar IAS)
Member Secretary

To,
M/s. Piaggio Vehicles Pvt. Ltd,
E-2, MIDC, Baramati,
Pune. 413 1333.

Copy to:

RO- MPCB Pune /SRO-MPCB Pune-1

- They are directed to ensure the compliance of consent conditions

Received Consent fee of -

Sl. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs. 3,54,304/-	051984	31/01/2011	Axis Bank
2	Rs. 100/-	051983	31/01/2011	Axis Bank
3	Rs. 3,54,404/-	028516	29/09/2011	ICICI Bank
4	Rs. 5,37,192/-	029091	20/10/2011	ICICI Bank

* Consent fees received as per revised consent fees G.R. of Env't. Dept, GoM dated 25/08/2011