

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010407/4010408/4010409

Kolhapur Road, P. O. & Post Office, Matunge

Fax : 2612121/2612122/2612123/2612124

Scheme Road No. 1, Opp. Government Cinema, Near

Mail : Maharashtra Pollution Control Board

Mar. Circle, Dist. (C)

Website : www.mahapcb.org

Mumbai - 400 012

Consent No. / Renewal of Consent / Certificate No. PN-11220-11/RCC-4587

Date: 22/04/2015

To,
General Motors India Private Limited,
At: Matunge Halgon Industrial Area,
New Electronics Park,
Talerao-Navalakh Umbre Village Road,
Tahsil: Maval, District: Pune,

Subject: Renewal of consent with increase in capital investment under RED category.

- Ref : 1. Earlier Consent granted vide no. BO/MD/MPCVEIC No. PN-11220-11/RCC-CAC-451, Dated 11.06.2012
2. Minutes of CAC meeting held on 28.11.2014

Your application: CR1407000119
Date: 27.06.2014

For: Renewal of consent with increase in capital investment under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent is granted for a period from 01.09.2014 to 30.09.2017.
- The actual capital investment of the industry is Rs. 2537 CR (As per C. A. Certificate submitted by industry).
- The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MTA
01	Automotive units	1, 84,000 Nos. per annum
02	Internal Combustion Piston Engines and accessories N.E.C. for motor vehicles	1, 60,000 Noss. per annum
03	Automotive Parts Distribution Centre	

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	900	As per Schedule -I	CETP
2.	Domestic effluent	350	As per Schedule -I	CETP

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

Sr. No.	Description of stack / source	Number of Stack	Standards to be followed
1.	Primer booth and spray booth sludge pit exhaust duct Primer booth and flushoff (Common Stack)	1	As per Schedule -II
2.	D. G. Set	2	As per Schedule -II
3.	Hot Water Generator	2	As per Schedule -II
4.	Fire Pump House	1	As per Schedule -II
5.	Process Vents	49	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Metal Scrap	32840 MTPA	--	To be sold to scrap vendors for secondary use
2	Waste Wood	8520 MTPA		To be sold to scrap vendors for secondary use
3	Waste Glass	60 MTPA		To be sold to scrap vendors for secondary use
4	Scrap Rubber	400 MTPA		To be sold to scrap vendors for secondary use
5	Grinding Dust	30 MTPA		To be sold to scrap vendors for secondary use
6	Food Waste	130 MTPA		Disposal to nearby farms for secondary use / Manure / Biomethension / Piggery
7	Plastic Waste	651 MTPA		To be sold to scrap vendors for secondary use
8	Paper & Cardboard	14250 MTPA		To be sold to scrap vendors for secondary use
9	General Plant Trash	1321 MTPA		To be sold to scrap vendors for secondary use
10	Metal Grinding Swarf	1650 MTPA		To Authorised Recyclers
11	Non Ferrous Metal	1150 MTPA		To Authorised Recyclers/Reprocessors

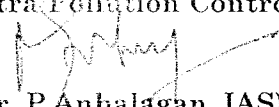
7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Paint Sludge & Waste Paint 21.1	21.1	814	MT/A		CHWTSDF/sale/Recycle/Reprocess/Recover/reuse/
2	Phosphate Sludge 12.5	12.5	100	MT/A		CHWTSDF
3	ETP Sludge	34.5	120	MT/A		CHWTSDF
4	Used Oil	5.1	200	MT/A		CHWTSDF
5	Empty Drums	33.3	157600	NPA		CHWTSDF

6	Residue Contaminated Oil	5.2	450	MTPA	CHWTSDF
7	Waste Oil	3.2			CHWTSDF
8	Waste Material	31	550	MTPA	CHWTSDF
9	Waste Material				CHWTSDF
10	Flourescent Bulbs & AC Tubes	1.8	1.8	MTPA	CHWTSDF
11	Spent Solvent	90.2	100	MTPA	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. Industry to carry out performance evaluation of ETP within 6 months.
10. Industry to submit details of Control equipments provided to primer surface, base coat and clear coat booths & details of scrubber provided at pre-treatment section within 1 month.
11. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. P Anbalagan, IAS)
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD No.	Date	Drawn On
01	1,52,22,520/-	867065	27/06/2014	Citi Bank
02	4,82,140/-	867066	27/06/2014	Citi Bank
03	4,22,845/-	100050	20/02/2015	Deutsch Bank

Copy to:

1. Regional Officer -Pune and Sub-Regional Officer-II, MPCB, Pune They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule 1

1) Conditions for compliance of Water Pollution Control.

1) The Applicant shall install an effluent treatment plant (ETP) with a design capacity of 200 CMD.

2) The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 9.0
02	BOD (3 days 27oC)	450
03	Oil & Grease	25
04	TDS	600
05	Cyanide (as "CN")	2
06	Cadmium (as Cd)	1
07	Nickel (as Ni)	3
08	Zinc (as Zn)	15
09	Chromium as Cr Hexavalent Total	2
10	Total Chromium (as Cr)	2
11	Copper (as Cu)	3
12	Lead (as Pb)	1
13	Iron as (Fe)	3
14	Arsenic (as As)	0.2
15	Mercury (as Hg)	0.01
16	Selenium (as Se)	0.05
17	Fluoride (as F)	15
18	Phenolic Compounds (as C6H5OH)	5
19	Manganese (as Mn)	2
20	Vanadium (as V)	0.2
21	Ammonium Nitrogen (as N)	50

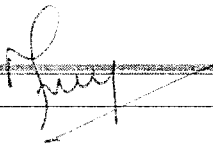
C) The treated effluent shall be discharged into the sewer collection sump and pumping station provided by MIDC leading to terminal Common Effluent Treatment Plant Talegaon.

2) A.) As per your consent application, you have provided the septic tank with the capacity of 750 CMD.

B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- (1) Suspended Solids. Not to exceed 100 mg/l.
- (2) BOD 3 days 27oC. Not to exceed 100 mg/l.

C) The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any shall be discharged into the sewer collection sump and pumping station provided by MIDC leading to terminal Common Effluent Treatment Plant Talegaon.



DI In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule 1 shall be applicable.

- 2) The Board reserves its rights to review plans, specifications or other details of the treatment system, its location, its operation or its maintenance or the purification of the effluent or the disposal of sewage or the treatment or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or extension or addition thereof.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	125
2.	Domestic purpose	485
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	1100
4.	Agriculture	400

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act,1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

Schedule III

Terms & conditions for compliance of Air Pollution control:

... directed following stack (s) and to observe the following fuel pattern:-

No.	Stack	Unit	Capacity	Year
1	CO2 area exhaust	No	3	---	---	---	---
2	Pre-treatment/Phosphate line-1	No	3	---	---	---	---
3	Pre-treatment/Phosphate line-2	No	3	---	---	---	---
4	Pre-treatment/Phosphate line-3	No	3	---	---	---	---
5	Offline ELPO sand	Exhaust filter in booth	3	---	---	---	---
6	Elpo tank, rinse, inspection Deck-1	No	3	---	---	---	---
7	Elpo tank, rinse, inspection Deck-2	No	3	---	---	---	---
8	Elpo oven	Connected to RTO	3	---	---	---	---
9	Elpo Cooler zone	No	3	---	---	---	---
10	Elpo sanding booth Under body sealer	Exhaust filter in booth	24	---	---	---	---
11	Primer oven-Combustion	No	3	---	---	---	---
12	Primer oven-Combustion	No	3	---	---	---	---
13	Primer oven-Exhaust	Connected to RTO	3	---	---	---	---
14	Primer oven-Exhaust	No	3	---	---	---	---
15	Primer cooler zone	No	3	---	---	---	---
16	Primer Moist sand	Exhaust filter in booth	3	---	---	---	---
17	Repair booth - heavy	Exhaust filter in booth	3	---	---	---	---
18	Repair booth - spot repair	Exhaust filter in booth	3	---	---	---	---

19	Topcoat oven-Combustion	No	3	---	---	---	---
20	Topcoat oven-Combustion	No	3	---	---	---	---
21	Combustion	No	3	---	---	---	---
22	Topcoat oven-Combustion	No	3	---	---	---	---
23	Topcoat oven-Combustion	No	3	---	---	---	---
24	Repair booth	Exhaust filter in booth	3	---	---	---	---
25	Topcoat oven-Combustion	No	3	---	---	---	---
26	Topcoat oven-Exhaust	Connected to RTO	3	---	---	---	---
27	Topcoat oven-Exhaust	No	3	---	---	---	---
28	Topcoat cooler zone	No	3	---	---	---	---
29	Topcoat booth and flash-off, RTO exhaust, Spray booth sludge pit exhaust duct, Primer booth and flashoff (Common Stack)	Scrubber Connected RTO (Regenerative thermal Oxidizer)	60	LPG/NG	167 Kg/Hr	---	---
30	Exhaust blower-paint mix room	No	3	---	---	---	---
31	Anti-Chip Application	Exhaust filter in booth	11	---	---	---	---
32	Vehicle roll test area	No	3	---	---	---	---
33	Vehicle roll test area	No	3	---	---	---	---
34	Fuel Filling Area	No	3	---	---	---	---
35	DG Set (380 KVA PAINT SHOP)	Muffler fitted in exhaust	20.5	Diesel	65 Kg/Hr	1%	31.2
36	DG set (750 KVA, CUC)	Muffler fitted in exhaust	20.5	Diesel	130 Kg/Hr	1%	62.4
37	Hot Water generator (CUC)	NO	7.5	LPG/NG	333 Kg/Hr	---	---
38	Hot Water generator-LPG C	No	30	LPG/NG	35.5 Kg/Hr	---	---

39	Fire Pump House (Near CUC)	No	3	Diesel	41 Kg/Hr	1%	19.68
40	Fire Pump House (Near CUC)	No	3	Diesel	41 Kg/Hr	1%	19.68
41	Fire Pump House (Near Bodyshop)	No	12	Diesel	41 Kg/Hr	3%	19.68
42	Fire Pump House (Near Bodyshop)	No	12	Diesel	41 Kg/Hr	1%	19.68
43	Wax Coating (Export Shop)	No	3	---	---	---	---
44	Block washer	Filter	1	---	---	---	---
45	Block washer	Filter	1	---	---	---	---
46	Block Machining	STILL MESH	1	---	---	---	---
47	Block Machining	STILL MESH	1	---	---	---	---
48	Block Honing	Filter mist	1	---	---	---	---
49	Cam Machining	Air filter	1	---	---	---	---
50	Cam Washer	Air filter	1	---	---	---	---
51	Head machining	Air filter	1	---	---	---	---
52	Head washer	Air filter	1	---	---	---	---
53	Head machining	Air filter	1	---	---	---	---
54	Head machining	Air filter	1	---	---	---	---
55	Crankshaft washer	Air filter	1	---	---	---	---
56	Hot Test Area	Catcon	3	---	---	---	---
57	Hot Test Area	Catcon	3	---	---	---	---
58	Hot Test Area	No (#)	3.8	---	---	---	---

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)

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3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Concentrate	Not to exceed	Unit

4. The applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.

5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



MAHARASHTRA POLLUTION CONTROL BOARD

Annexure-III
 Details of Bank Guarantees

Sl. No.	Comment	Amount of Bank Guarantee	Validity Period	Remarks	Expiry Period	Date
1	C to R	5/- Lakhs	15 Days	O & M of pollution Control System	20.09.2017	31.01.2018
2	C to R	2/- Lakhs	15 Days	To carry out performance evaluation of ETP	6 months	31.01.2018
3	C to R	2/- Lakhs	15 Days	For submission of design details of Control equipments provided to primer surface, base coat and clear coat booths & details of scrubber provided at pre-treatment section.	1 month	31.01.2018

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Maharashtra Pollution Control Board

Schedule-B

General Conditions:

- 1) The applicant shall provide facility for collection of ambient air samples and samples of surface and sewage effluents, air environment and water samples to the Board staff at the applicant's premises and shall provide all the necessary support for the collection.
- 2) If the MHDG pipeline is broken/ overflowing elsewhere, in such cases industry shall not allow their treated effluent into MHDG drain. It shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) 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.
- 5) 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.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 7) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 9) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 10) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 11) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 12) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 13) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 14) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 15) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 16) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 17) 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.

Conditions for D.G. Set

Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by other means as mentioned below.

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) 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.
- d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e) 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
- f) D.G. Set shall be operated only in case of power failure.
- g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 19) The industry should not cause any nuisance in surrounding area.
- 20) 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.
- 21) The applicant shall maintain good housekeeping.
- 22) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
- 23) 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 of solid waste.
- 24) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 25) 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.
- 26) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 28) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

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