

MAHARASHTRA POLLUTION CONTROL BOARD

Phone: 4010437/4020781
74077124/4035273

Kejriwal Point, 3rd & 4th floor, Sion, Malunga
Sion Road No. 8, Opp. Cine Planet Cinema, Near
Bank of India, Sion (E).

24074532/4024068/4020781
enquiry@mpcb.gov.in
http://mpcb.gov.in



21/04/2015

4550

To:
M/s. Bajaj Auto Ltd,
Plot No. 2-1, MIDC Chakan
Mahalunge gaon, Tal-Khed,
Dist. Pune-410501

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

Ref : 1. Earlier Consent granted vide no. BO/JD (APC) /EIC No. PN-15272-12/CC/CAC-760 dtd- 9/1/2013
2. Minutes of CAC meeting held on 15.04.2015

Your application: CR1502000302
Dated: 20.01.2015

For: Renewal of Consent with increase in capital investment 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 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:

1. The consent is granted for a period from 01.04.2015 to 30.09.2017.
2. The actual capital investment of the industry is Rs. 497.63 Crs. (As per C. A. submitted by industry).

3. The Consent is valid for the manufacture of-

Sr. No.	Product / By-Product Name	Maximum Quantity in MTA
1.	Motorised Two Wheelers	1500000.00 Nos./Year
2.	Jigs	1500.00 Jigs /Day
3.	Incineration of Waste Paints	2200.00 Kg/Day

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	491.0	As per Schedule -I	Recycle to maximum extent & remaining on land for gardening
2.	Domestic effluent	530.0	As per Schedule -I	On land ofr gardening

(Handwritten Signature)

5. Conditions under Air (Prevention) Act, 1981 for air emissions.

Sr. no.	Description of stack / source	Number of Stack	As per Schedule - II
1.			
2.	D/G Set	1	As per Schedule - II
3.	Paint Shop Boiler	1	As per Schedule - II
4.	PTCED Boiler	1	As per Schedule - II
5.	Furnace (Jig Stripping)	1	As per Schedule - II
6.	Incinerator	1	As per Schedule - II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Canteen Waste & Garbage	900.00	MT/A	Composting
2	Garinding & Buffinf Dust	436.00	MT/A	Landfilling
3	Factory Rubbish	2555.00	MT/A	Sale
4	M S Turning	5419.00	MT/A	Sale
5	STP Sludge	140.00	MT/A	For Gardening within Premises
6	Dust (Jig Stripping Plant)	15.00	MT/A	Sale
7	Waste (Used sand Jig Stripping Plant)	10.00	MT/A	Sale
8	SHot Blasting Waste	250.00	MT/A	Sale to Authorised Dealer or Secured Landfill

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	21.1 Wastes and residues	21.1	741.00	MT/Y	NIL	Incineration within Premises
2	34.3 Chemical sludge from waste water treatment	31.3	344.00	MT/Y	NIL	CHWTDF (MEPL)
3	5.2 Wastes/residue containing oil	5.2	2059.00	MT/Y	NIL	Sale to Authorised Reprocessor
4	33.3 Discarded containers / barrels / liners	33.3	450000.00	Nos./Ye	NIL	Authorised Recycler
5	36.2 Ash from incineration of hazardous waste	36.2	130.00	MT/Y	NIL	CHWTDF (MEPL)

6	31.1 Residues and wastes'	01.1	27.01.2015	NIL	Authorized Receiver
7	31.1 Lead slag/lead bearing residues	01.1	27.01.2015	NIL	Authorized Receiver

The consent holder shall have the right to renew, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

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
1	2985880.00	550390	19/01/2015	Citi Bank
2	75000.0	714285	26.2.2015	Citi Bank

The balance consent fees of Rs. 4,22,630/- with the Board will be considered during next Renewal.

Copy to:

1. Regional Officer Pune He is directed to forfeit BG of Rs. 1/- Lakhs obtained against O & M of Pollution control systems & obtain BG's as per Schedule-III
2. Sub-Regional Officer-MPCB, Pune. They are directed to ensure the compliance of the consent conditions.
3. Chief Accounts Officer, MPCB, Mumbai.
4. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control

1) A.] As per your consent application, you have provided the sewage treatment system with the design capacity as mentioned.

B.] 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 pii
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27oC)	30
04	Total Dissolved Solids	2100
05	Suspended Solids	100
06	Zinc	5
07	Chromium (Hexavalent)	0.10
08	Phosphate(as P)	5.0
09	Copper	0.2
10	COD	250
11	Chloride	600
12	Sulphate	1000

C.) The treated effluent shall be recycled to maximum extent & remaining shall be used on land of 53.66 acres for gardening.

2) A.] As per your consent application, you have provided the sewage treatment system with the design capacity of 600.0CMD.

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 | 50 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 30 | mg/l. |
| (3) | COD. | Not to exceed | 100 | mg/l. |

C.] The treated sewage shall be used on land of 53.66 acres for gardening.

3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent 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 and extension or addition thereto.

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 meter, flow meter, cess return in Form and other provisions as contained in the said act.

Sl. no.	Equipment to be consumed	Water meter to be installed
1.	Industrial Cooling spraying in mine pits or boiler feed	357
2.	Domestic purpose	700
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	744
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	350

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.

Terms & conditions for compliance of Air Pollution Control:

also erected following stack (s) and to observe the following fuel pattern-

Sl. No.	Stack	Control Equipments	Height (m)	Fuel	Quantity	SO ₂	NO _x
No.	Attached to	Location	Height	Kind	Volume	Level	Level
1	D G Set	Stack is Provided	35	HSD	1000 Lit/Hr.	1%	
2	D G Set	Stack is Provided	35	LPG	205.4 Kg/hr.	--	--
3	Paint Shop boiler	Water curtail	30				
4	PTCED Boiler	Stack is Provided	30.0				
5	Furnace (Jig Stripping)	Two Stage Scrubber & Stack is Provided	12.0				
5	Incinerator	Two stage ventury scrubber	40.0				

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)
3. Control Equipments
 - a) Fume extraction system followed by Dust collection system of sufficient capacity should be provided to all sources of SPM/TPM shall be operant properly and continuously.
 - b) Painting activity shall be carried out in an enclosed shed.
 - c) There shall not be any secondary (Fugitive) emissions.
4. The applicant shall comply with CPCB guidelines of emission standards for Hazardous Waste incineration as under:

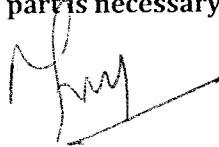
Parameter	Emission Standards	
Particulates	50 mg/Nm ³ .	Standard refers to half hourly average value
HCL	50 mg/Nm ³	Standard refers to half hourly average value
SO ₂	200 mg/Nm ³	Standard refers to half hourly average value
CO	100 mg/Nm ³	Standard refers to half hourly average value
	50 mg/Nm ³	Standard refers to daily average value
Total Organic Compound	30 mg/Nm ³	Standard refers to half hourly average value
HF	4 mg/Nm ³	Standard refers to half hourly average value
NO _x (NO & NO ₂ expressed as NO ₂)	400 mg/Nm ³	Standard refers to half hourly average value
Total dioxin & furans	0.1 ng TEQ/ Nm ³	Standard refers to 6-8 hours sampling. Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence.
Cd + Th + their compounds	0.05 mg/Nm ³	Standard refers to sampling time anywhere between 30 mins to 8 hours
Hg & its compounds	0.05 mg/Nm ³	Standard refers to sampling time anywhere between 30 mins to 8 hours
Sb + As + Pb + Cr +	0.5 mg/Nm ³	Standard refers to sampling time anywhere

CO, HCl, HCN, NO_x,
NH₃ their compounds

between 30 mins to 8 hours

Note: All values corrected to 11% oxygen on a dry basis.

- a) All the facilities shall be designed to achieve a minimum temperature of 1200°C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.
 - b) The incineration facilities after initial operation of minimum one year, as per the guidelines and standards, can submit a proposal for relaxation in temperature and retention time requirement if it can be demonstrated that the flue gas standards and operation standards can be complied with at lower temperatures and residence times.
 - c) Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
 - d) Guidelines published by the Central Board from time to time for common incineration facilities shall be referred for implementation.
 - e) All the project proposals submitted for establishment of the common incineration facilities shall be examined and cleared by the Task Force constituted by the Central Board.
 - f) Notification of compliance: The operator of the incinerator shall undertake comprehensive performance test. Within 90 days of completion of comprehensive performance test, the operator shall issue a notification of compliance documenting compliance or non-compliance, as the case may be, for public information / notice.
5. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
6. 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).



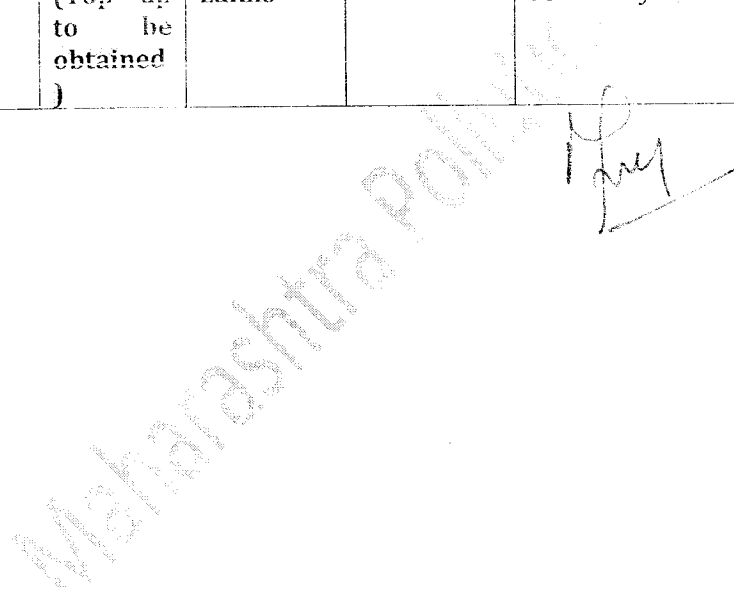
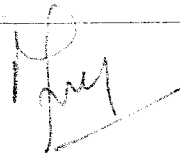
Schedule-III
Details of Bank Guarantees

Forfeited BG History

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Amt of BG to be released from BG imposed	Purpose of BG forfeiture
1	C to R (to be forfeited)	Rs. 5/- Lakhs	Rs. 1/- Lakhs	O & M of pollution control system as the JVS results are exceeding the consented limit

BG details

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R (existing to be extended)	Out of Rs. 5/- Lakhs Rs. 1/- Lakhs to be forfeited & Rs. 4/- Lakhs to be extended	15 Days	O & M of pollution control systems	30.09.2017	31.01.2018
2	C to R (Top up to be obtained)	Rs. 2/- Lakhs	15 Days	O & M of pollution control systems	30.09.2017	31.01.2018

Schedule-IV

General Conditions

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board's staff at the terminal or the sampling points and shall maintain the same for the purpose of this behalf.
- 2) 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.
- 3) The industry shall comply with the notification issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14th September, 1999 and as amended on 3rd November, 2009.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) 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/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.
- 8) 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.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 11) 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).
- 12) 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.
- 13) 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.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.

iii) Conditions for D.G. Set

- 16) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by providing the noise abatement.
- 17) 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
- 17) The industry should not cause any nuisance in surrounding area.
- 18) 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.
- 19) The applicant shall maintain good housekeeping.
- 20) 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, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) 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 downloaded from MPCB official site).
- 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 26) 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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