

MAHARASHTRA POLLUTION CONTROL BOARD

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 Mumbai
 www.mpcb.org

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 Court Road, Sion (E),
 Mumbai - 400 022

Consent order No: Formate LD BO/CAC/II/11/13/RD-2032-15/2811/CAC / 4541
 Date: 21/04/2015

To
 The Dharamsi Morarji Chemical Co. Ltd.
 Plot No. 105, MIDC Dhatav,
 Tal- Roha, Dist- Raigad

Subject: Renewal of consent to operate RED category.

- Ref : 1. Earlier Consent granted vide no BO/PAMS/E/EIC No-RD-2276-12/CC-348
 dtd 21.04.2012
 2. Your application approved in CAC meeting held on 25.03.2015

Your application:CR1412000522

Dated:10.12.2014

For: Renewal of consent to operate

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 31 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 31.12.2014 to 28.02.2019.
2. The actual capital investment of the industry is Rs.82.94 Crs. (As per C.A. Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity in MTPA
1	Sulphamic Acid	500.00
2	Di-Ethyl Sulphate	300.00
3	Benzene Sulphonyl Chloride	600.00
4	Sulphuric Acid	8333.00
5	Oleum	4167.00
6	Sulphur Trioxide	2750.00
7	Sodium Vinyl Sulphonate/ Other Sulphonates	150.00
8	Phenol Sulphonic Acid	50.00
9	Chlorosulphonic Acid	2000.00
By-Product Name		
1	Sodium Sulphate	400.00
2	Sodium Sulphite	110.00
3	Calcium Sulphate	400.00
4	Dil. Sulphuric Acid	11600.00
5	Diphenyl Sulphone	24.00

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

Sr. no.	Description of effluent	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	230	As per Schedule	CWTP
2.	Domestic effluent	70	As per Schedule	CWTP

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

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Boiler	1	As per Schedule -II
2.	Process vents	5	As per Schedule -II
3.	DG set	3	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Paper Waste	100.00 Kg/Y	--	Sale
2	Broken Glass	10.00 Kg/Y	--	Sale
3	HDPEBags	100.00 Kg/Y	--	Sale

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	Chemical sludge from waste water treatment	34.3	833	Kg/D	--	CHWTSDF
2	Residues, dusts or filter cakes	17.1	333	Kg/D	--	CHWTSDF/ Sale
3	Spent catalyst	17.2	4000	Ltrs/Y	--	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. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

10. Industry, the by product generator, should ensure that all the vehicles used to transport by-product to the vendor industry to be fitted with web based GPS system to record the origin to destination position and shall self monitor the compliance and submit monthly report to the Board.

11. Industry shall obtain affidavit from vendors stating that the by-product purchased from PP is used as raw material in their respective industries.

12. Industry shall submit BG of Rs. 2 lakh towards compliance point no. 10 & 11 above.

13. The applicant shall install online continuous stack emission monitoring system and online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of suspension parameters by 30.06.2015 & to connect and upload the online emissions and effluent monitoring data at MPCB and CTOB servers in the format as per the format given in the format of the consent conditions (which ever applicable) for ensuring timely installation of online monitoring systems by 30.06.2015. BG shall be discharged if industry installs the same. If the industry fails to install the same by 30.06.2015, the consent to operate will be withdrawn and the BG will be forfeited. This is in accordance with the CPCB directions dated 0203.2015.

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	517800	284337	02.12.2014	Janakalyan Sahakari Bank Ltd
2	2200	442543	03.01.2015	Bank of Maharashtra
3	20833	608095	15.04.2015	Bank of Maharashtra

Copy to:

1. Regional Officer -Raigad and Sub-Regional Officer Raigad-II MPCB, Raigad. They are directed to ensure the compliance of the consent conditions. The BGs obtained for the condition b, e, f of the conditional restart directions dated 20.12.2014 shall be returned back as industry has complied the same.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule I

Terms & conditions for compliance of Water Pollution Control

1) As per your application, you have provided the effluent Treatment Plant (ETP) with the design capacity of 230 CMD.

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)
		Limiting Concentration in mg/l, except for pH
01	pH	5.5-9.5
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Total Dissolved Solids	2100
05	SS	100
06	Sulphate	1000
07	Chloride	600
08	% Na	60 %
09	TAN	50
10	COD	250

C) The treated effluent shall be disposed CETP.

2) A.] As per your consent application, you have provided septic tanks. Afterwards the overflow is treated in ETP at secondary stage.

B] 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 I shall be applicable.

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) Act, 1977 and as amended, by installing water meters, filling water cists, removal of storm and other provisions as contained in the said act.

NO.		Quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	750
2.	Domestic purpose	90
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	520
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Agriculture	10

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 II

Terms & conditions for compliance of Air Pollution Control:

The applicant has installed specific air pollution control system and also erected following stack (s) and to observe the following fuel pattern-

Sl. No.	Stack	A.P.C. System	Height in metres	Fuel used	Quantity in MT/D	S %	SO ₂ in kg/day
1	LAB	Stack	5.50	NA	NA	NA	NA
2	SMA Plant	Scrubber	21.00	NA	NA	NA	NA
3	Sulphuric Acid	Scrubber	45.00	NA	NA	NA	NA
4	Boiler	Stack	35.00	FO	1.5 MT/D	4.5	135
5	Chloroplant	Scrubber	30.00	NA	NA	NA	NA
6	BSCL Plant	Scrubber	32.00	NA	NA	NA	NA
7	DG- 830 KVA	Stack	7.70	HSD/LDO	5 MT/D	1/1.8	100/180
8	DG- 1310 KVA	Stack	7.70				
9	DG- 125 KVA	Stack	4.20				

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.
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:

Particulate matter	Not to exceed	150 mg/Nm ³ .
SO ₂ Process	Not to exceed	1370 mg/Nm ³
HCL	Not to exceed	35 mg/Nm ³
Cl ₂	Not to exceed	3 ppm
Acid Mist/Sulphur Trioxide	Not to exceed	90 mg/Nm ³

- (i) Scrubbing units shall have on-line pH meters with auto recording facility.
- (ii) The height of the stack emitting sulphur-dioxide or acid mist shall be of minimum of 30 metre or as per the formula $H=14(Q) (0.3)$ (whichever is more). Where $-H$ is the height of stack in metre; and $-Q$ is the maximum quantity of SO₂ expected to be emitted through the stack at 110 per cent rated capacity of the plants and calculated as per the norms of gaseous emission.
- (iii) Plants having more than one stream or unit of sulphuric acid at one location, the combined capacity of all the streams and units shall be taken into consideration for determining the stack height and applicability of emission standards.
- (iv) Plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be equal to main stack.

1. 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 commences and or installation of new pollution control equipment.
2. The Applicant shall take care in the use of any equipment or process 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

Sl. No.	Consent	Amt of Imposed	Submitted	Purpose of BG	Compliance	Validity
1	Conditional restart direction dated 20.12.2014	Rs 5 lakhs	Submitted	C to R of PCB	28.02.2015	30.06.2015
2	Conditional restart direction dated 20.12.2014	Rs 5 lakhs	Submitted	You shall install Rotary Drum for scientific sludge handling by 31.05.2015 as committed during hearing	31.05.2015	31.12.2015
3	C to R	Rs 2 lakhs	Within 15 days from the date of issue of consent	<p>Industry, the by-product generator, should ensure that all the vehicles used to transport by-product to the vendor industry to be fitted with web based GPS system to record the origin to destination position and shall self monitor the compliance and submit monthly report to the Board.</p> <p>Also industry shall obtain affidavit from vendors stating that the by-product purchased from PP is used as raw material in their respective industries.</p>	28.02.2019	30.06.2019
4	C to R	100 % of the cost of the online monitoring systems (emissions and effluent which ever applicable)	Within 15 days from the date of issue of consent	The applicant shall install online continuous stack emission monitoring system and online effluent quality monitoring systems at the outlet of effluent treatment plant for measurement of consented parameters by 30.06.2015 & to connect and upload the online emissions and effluent monitoring data at	30.06.2015	30.10.2015

MPCB and CPCB server
time bound manner

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Schedule IV

General Conditions:

- 2) The applicant shall provide facility for collection of environmental samples and samples for monitoring of water quality, air emissions and hazardous waste. The Board's staff at the site shall be provided with all the necessary facilities for the purpose of monitoring in the interest of public health and safety.
- 2) If the MIBC (manhole) is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIBC 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/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.
- 9) 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 Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 12) 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).
- 13) 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 Hazardous Wastes (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 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 the effluents from the premises shall be allowed to mix with the effluents from the factory.
- 17) The applicant shall monitor and report on the following the consumption of energy for operation of domestic and industrial premises, steam generation plants and air pollution control equipment. The equipment shall be maintained in good condition and the records shall be maintained.
- 18) Conditions for D.G. Set
- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - 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.
 - 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.
 - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - 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
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - 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 official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended.

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