

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No :- Formate1.0/ BO/CAC-Cell/ EIC No RD-3205-15/14th CAC- 3137
Date- 02/03/2016

To,
M/s. Supreme Petrochem Ltd,
Village- Amdoshi/Wangani, Wakan-Roha Road,
Tal- Roha, Dist- Raigad,402106

Subject: Amendment in existing consent to operate for change in product-mix and further renewal for two years under RED category.

Ref : 1. Existing Formate1.0/BO/CAC-Cell/EIC No RD-2649-14/2ndCAC-4504 dated 09.05.2014 which is valid upto 31.08.2017.

2. Corrigendum No.MPCB/CAC-cell/Amend/CAC-2058 Dated 16.12.2014

3. Your application approved in CAC meeting held on 02.02.2016.

Your application: CO1512000294

Dated: 05.12.2015

For: Amendment in existing consent to operate for change in product-mix and further renewal for two years

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 date of issue of consent upto 30.08.2019.
2. The actual capital investment of the industry is Rs. 565.98 Crs. (As per C. A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	Polystyrene (GPPS, HIPS, Specialty Grades), Compounds / Master Batches of Thermoplastics & Elastomers, Expanded Polystyrene (XPS) Insulation Boards, Expandable Polystyrene (EPS), Styrene Methyl Methylcrylate (SMMA)	3,75,000 MT/A
2	Generation of Electricity	4 MW

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	640	As per Schedule -I	Amba river estuary during monsoon period and on land for gardening during non-monsoon period.
2.	Domestic effluent	112	As per Schedule -I	

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.	2 Boilers, 4 Thermic Fluid Heaters	3	As per Schedule -II
2.	DG sets (2.3 MW X 2)	1	As per Schedule -II
3.	Gas Engine (2 MW X 2) with WHRB	2	As per Schedule -II
4.	DG Set (1250KVA)	1	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

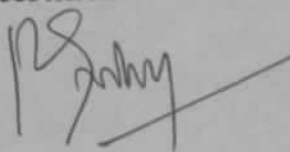
Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Wooden scrap	450 MT/Y	—	Sale as Scrap
2	Metallic Scrap	15 MT/Y	—	Sale as Scrap
3	Non Metallic Scrap	85 MT/Y	—	Sale as Scrap
4	Paper	25 MT/Y	—	Sale as Scrap
5	Glassware	01 MT/Y	—	Sale as Scrap
6	Cotton Waste	25 MT/Y	—	Sent to MWML
7	Insulation Waste	20 MT/Y	—	Sent to MWML

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	Organic Residue (ETP Sludge at SDBs in ETP - collected from various sources from Plant)	1.4	30	MT/A		Sent to MWML
2	Spent Catalyst and Molecular Sieves (Spent Activated Alumina and Carbon Molecular Sieves)	1.7	200	MT/A		Sale to Authorized Parties / MWML
3	Used/Spent Oil	5.1	127	MT/A		Sale to Registered Recycler / Re-

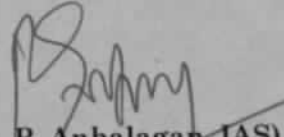
4	Spent Solvents	20.2	500	Lit/A		Used for live fire drills / training at fire drill ground.
5	Residue of additives used in plastics manufacturing (dyestuffs, stabilizers / flame retardants)	22.1	3.5	MT/A		Recycled or Reused in process. / Sent to MWML
6	Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers.	33.1	Qty. included under Sr. No. 1, since it is collected at SDBs.	--		Sent to MWML
7	Empty bags of additives.	33.3	20	MT/A		Sent to MWML
8	Decontaminated containers / Carboys	33.3	7000	Nos/A		Used for collection of in-process samples / plantation / sale or sent to MWML.
9	Spent ion exchange resin containing toxic metal generated at softener unit.	34.2	0.2	MT/A		Replenished / sent to supplier / Sent to MWML
10	Sludge from WWT	34.3	1500	MT/A		Sent to MWML
11	Filter bags / cloth	35.1	30	MT/A		Sent to MWML
12	Ash from chimney cleaning / fire pit.	36.2	11.5	MT/A		Sent to MWML
13	Spent acid from batteries	36.3	50	Lit/A		Treated at ETP.

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. This consent is issued in accordance with MoEF, Govt of India circular dated December 14, 2006 stating that in cases of change of product-mix, changes in the quantities or the numbers of product may be allowed without E.C by the concerned SPCB provided such changes in the quantities of product are in the same category and are with the previously granted overall total limits.
11. This consent is granted on the basis of the proforma of no increase in pollution load submitted by the industry and certificate of "no increase in pollution load" dtd 19.01.2016 issued by ICT, Mumbai.



12. The consent is granted by overriding consent no Formate1.0/BO/CAC-Cell/EIC No RD-2649-14/2ndCAC-4504 dated 09.05.2014 & Corrigendum No.MPCB/CAC-cell/Amend/CAC-2058 Dated 16.12.2014.

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	50000	340572	30.11.2015	SBI
2	100	996561	02.12.2015	SBI
3	2278403	295726	15.02.2016	ICICI
Previous fees				
1	3356994	237504	13.01.2014	ICICI Bank
2	1041241	253475	05.05.2014	ICICI Bank

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.
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) A] As per your application, you have provided the Combined Effluent Treatment Plant (ETP) with the design capacity of 752 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 - 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	50
04	COD	250
05	Total Dissolved Solids	2100
06	Chlorides	600
07	Sulphates	1000
08	Sulphide (as S)	2.0
12	Suspended Solids	100
14	Hexavalent Chromium	0.1
15	Total Chromium	2.0
16	Fluoride	15
17	Cyanide	0.2
18	Phenol	5

C) i) The treated trade effluent should be recycled to the maximum extent. ii) During monsoon season, the treated effluent should be discharged by a pipeline into Amba River Estuary 225 meter Downstream of K.T. Bandhara as per NIO Recommendations & our letter No. BO/KON/COA/B-129 dated 23/03/1994. Guard pond of sufficient capacity should be provided so as to ensure no discharge in sweet water zone of Amba River. iii) During non-monsoon period the treated effluent should be used in your factory premises for developing green belt / horticulture. Land available = 151.65 acres

2) A.] As per your consent application, you have provided the lift station/soak pit for sewage & lifted sewage is mixed into ETP at aeration tank for further treatment.

3) 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.

4) 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.

- 5) 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.
- 6) 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	1423
2.	Domestic purpose	162
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	443
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.0
5.	Others such as agriculture, gardening	300

- 7) 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:

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	Boiler No. 1 and 3 Thermic fluid heaters.	ID/FD Blowers / Fans,	40	F.O.	2280 MT/A	4.5	567
				PS Hydrocarbon Purge	600 MT/A	Nil	
				LPG	12 MT/A	Traces	
				Natural Gas	3351000 KL/A	Nil	
2	Thermic Fluid Heater	ID/FD Blowers / Fans,	35	F.O.	960 MT/A	4-5 %	239
				PS Hydrocarbon Purge	400 MT/A	Nil	
				LPG	6 MT/A	Traces	
				Natural Gas	1582000 KL/A	Nil	
3	Boiler No. 2	ID/FD Blowers / Fans	42	F.O.	2200 MT/A	4.5	549
				Natural Gas	2550000 KL/A		
4	DG Set 1 (2.3 MW)	--	36	HSD	710 MT/A	1	39
5	DG Set 2 (2.3 MW)	--		HSD	710 MT/A		39
6	Gas Engine 1 (2.0 MW) with WHRB	Blowers	32	Natural Gas	4730400 KL/A	Traces	—
7	Gas Engine 2 (2.0 MW) with WHRB	Blowers	32	Natural Gas	4730400 KL/A		
8	DG Set (1250 KVA)	Stack	7 M Above Roof	HSD	308 MT/A	1	12

2. Standards for Emissions of VOC Pollutants:

Sr.No	Compounds	Maximum emission limit (mg/Nm ³)
1	VOC ((Ethyl benzene (EB), Styrene)	100

3. Industry shall regularly carry out VOC monitoring from MoEF approved laboratory.

4. 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.
5. 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 .
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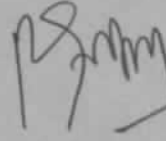
6. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
7. The Board reserves its 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).

PSM

Schedule-III
Details of Bank Guarantees

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	Rs. 500,000/-	Submitted	Operation and Maintenance of Pollution Control Systems for amalgamated plants	31.08.2019	31.12.2019

The existing BG of Rs 5 lakhs towards Operation and Maintenance of Pollution Control Systems for amalgamated plants shall be extended for a period upto 31.12.2019.



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 staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 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 Hazardous 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.
- 16) Conditions for D.G. Set
- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) 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 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.
- 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 official e-mail address and any change will be duly informed to the MPCB.
- 25) 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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