

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 3rd & 4th floor, Sion- Matunga
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Sion Circle, Sion (E),
Mumbai - 400 022

Consent order No: - Formate 1.0/ BO/CAC-Cell/ EIC No NM-6057-16/3rd CAC/ 6347-A
Date- 25/07/2016

To,
BASF India Limited
Plot No-12, MIDC TTC Area,
Thane Belapur Road, Turbhe,
Navi Mumbai, 400705, India,

Subject: 1st operate (PART) for expansion and amalgamation with existing consent under RED category.

- Ref: 1. Existing Consent granted vide no. Formate 1.0/ BO/CAC-Cell/ EIC No NM-6057-16/15th CAC/6347 dtd. 13.05.2016 which is valid upto 31.03.2017.
2. Consent to establish granted vide no. Formate 1.0/BO/AST/RONM/EIC NO NM-4315-12/R/Amal/CAC-4891-A dtd. 06.11.2013.
3. Your application approved in CAC meeting held on 08.07.2016.

Your application: CR16101000540
Dated: 01.01.2016

For: 1st operate (PART) for expansion and amalgamation with existing consent 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 from date of issue of consent upto 31.03.2017.
2. The actual capital investment of the industry is Rs.117.17 Crs. (As per CA certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	Leather Chemicals (Auxillaries plant): Flat Liquors Binders, Auxillaries for Tanning & finishing agents such as textile, dispersions, lacquers, pigments, lepton colours and special leather dyes	28000 MT/A
2	Leather Auxiliaries (Basyntan Plant): Organic chemicals such as synthetic tanning and dispersing agents and construction chemicals	25000 MT/A
3	Automotive coolant	10000 MT/A
4	R & D centre (Fine and Performance chemicals, organic intermediates, organic intermediates for paper chemicals & sulfonated organic intermediates for speciality chemicals	500 MT/A
5	Polystyrene System House: Polyester Resin, Polyether Polyol blends,	27500 MT/A

	Prepolymer blends	
6	Engineering Plastics	30000 MT/A
7	Polyether Polyol blends (By physical mixing and without chemical reaction)	32000 MT/A

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	460	As per Schedule -I	CETP
2.	Domestic effluent	195	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 achieved
1	Boiler (2 nos)	1	As per Schedule -II
2	Dryer (2 nos)	2	As per Schedule -II
3	Thermic Fuel Heating System	1	As per Schedule -II
4	DG sets (625 KVA, 500 KVA, 830 KVA)	3	As per Schedule -II

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Paper, Polyethylene Bags	400 Tons/y		Authorized NNMC contractor.

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	Sludge and filters contaminated with oil	3.3	3	MT/A		CHWTSDF
2	Used/Spent oil	5.1	9	MT/A		Sale to CPCB /MPCB authorized vendors/ Recycler
3	Lead slag/Lead bearing residues	9.1	2	MT/A		Sale to CPCB /MPCB authorized vendors
4	Discarded asbestos	15.2	0.025	MT/A		Sale to CPCB /MPCB authorized vendors
5	Spent solvents	20.2	25	MT/A		Sale to CPCB /MPCB authorized vendors/ recycler/CHWTSDF
6	Wastes and residues	21.1	148	MT/A		Sale to CPCB /MPCB authorized

						vendors/CHWTSDF
7	Waste Residue (Not made with vegetable or animal materials	23.1	8	MT/A		CHWTSDF
8	Chemical-containing residue	33.1	0.425	MT/A		to own ETP
9	Discarded containers/barrels/liners	33.3	60	MT/A		CHWTSDF
10	Discarded containers/barrels/liners	33.3	26500	Nos/A		Sale to CPCB /MPCB authorized vendors
11	Chemical sludge from waste water treatment	34.3	500	MT/A		CHWTSDF
12	Toxic metal-containing residue from water purification	34.2	0.1	MT/A		CHWTSDF
13	Filters and filter material which have organic liquid in them eg . Mineral oil, synthetic oil & organic chlorine compounds	35.1	17	MT/A		CHWTSDF
14	Spent Carbon	35.3	13.2	MT/A		CHWTSDF
15	Distillation residues from contaminated organic solvents	36.4	22.9	MT/A		CHWTSDF
16	Lead batteries from DG sets, UPS system		70	MT/A		Sale to CPCB /MPCB authorized vendors
17	Used/spent oil	5.1	500	Lit/A		Sale to CPCB /MPCB authorized vendors/recycler

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. The consent is granted by overriding consent no *Formate1.0/BO/CAC-Cell/ EIC No NM-6057-16/15thCAC/6347* dtd. 13.05.2016.

For and on behalf of the
Maharashtra Pollution Control Board

Girish B
21/7/16
(P.K.Mirashe)

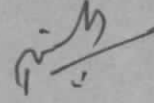
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100	063487	31.12.2015	Central Bank
Previous consent fees				
1	1307000	143503	06.02.2012	Deustsche Bank

Copy to:

1. Regional Officer -Navi Mumbai and Sub-Regional Officer-Navi Mumbai - I, MPCB, 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 existing combined Effluent Treatment Plant (ETP) with the design capacity of 880 CMD for treatment of trade and domestic effluent.
- 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 to 9.0
02	Oil & Grease	10
03	BOD (3 days 27°C)	100
04	Suspended Solids	200
05	COD	250
06	Chloride	600
07	Sulphate	1000
08	TDS	2100
09	% sodium	60

- C) The treated effluent shall be discharged to the CETP.
- 2) A.] As per your consent application, it is proposed to treat the proposed domestic effluent in the existing ETP.
- 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) 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	95
2.	Domestic purpose	220
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	831.5
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0
	Gardening	60

- 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.

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Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect 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	Nestler Boiler No 1	Stack	30.6	PNG	2.76 MT/D	Nil	NA
	Nestler Boiler No 2			FO	18 MT/D	3	1080
2	Alpha spray Dryer	Stack	30.5	PNG	2.76 MT/D	NA	NA
3	Vessel fume exhaust	NA	NA	NA	NA	NA	NA
3	Niro Spray Dryer (Basyntan plant)	Stack	20	HSD	94 Litres/Hr	1	45
4	Auxiliary plant	Stack	21	NA	NA	NA	NA
5	Thermic Fuel Heating System (PUSH)	Stack	20	PNG	2 MT/D	NA	NA
6	DG sets (625 KVA, 500 KVA, 830 KVA)	Stack	13 each	HSD	4.8 MT/D	1	96
7	Process stack	Ventury scrubber	8	NA	NA	NA	NA

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	50 ppm

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).



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 5 lakh	Submitted	O & M of PCS	31.03.2017	31.07.2017

Print

Maharashtra Pollution Control Board

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) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly.
- 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 Hazardous 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 obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity (in case of Consent to establish).
- 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.
- 18) 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
- 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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