

# MAHARASHTRA POLLUTION CONTROL BOARD

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**Consent order No: - format 1.0/BO/AST/EIC.No-RD-2895-14/Raigad/R/CC-237**  
**Date-03/06/2015**

To,  
M/s Hikal Limited  
Plot No-A-18, MIDC Mahad -402301.  
Dist-Raigad, Maharashtra, India

**Subject: Amendment in Consent to Operate under RED category.**

- Ref : 1. Earlier Consent granted vide no:-format 1.0/BO/AST/EIC.No-RD-2895-14/Raigad/R/CC-2093 dtd-25/02/2015.  
2. Your letter dtd-6/2/2015 for Amendment in consent with change in product mix received on dtd-04/03/2015.  
3. Minutes of CC meeting held on dtd.30/05/2015.

For: Consent to Operate (Amendment for change in product Mix) 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:

- The consent is granted for a period from 30/11/2014 to 30/11/2016.
- The actual capital investment of the industry is Rs.26.80 Crs. (As per C.A Certificate submitted by industry).
- The Consent is valid for the manufacture of -

Sl. No.	Product Name	Maximum Quantity	UOM
1	CITD(2cyanimino-1,3 Thiazolidine) (new)OR RTY-295	30 5	MT/M
2	4-Nox OR 2,3-Xylidine OR 4-NMPI OR Transfluthrin Egylamide Ethylclozate	30 7 30 25 20 2	MT/M
	o-Phenoxy Aniline OR Triazophos	50 30	MT/M
3	3,4 Dichloro Nitro Benzene Amitrol Venlafaxine	25 15 10	MT/M
4	2,3 Dichloro Nitro Benzene	8.33	MT/M
5	MMPDC (5 Methoxy Methyl Pyridine 2,3 Dicarboxylic Acid)(new) OR Diuron OR Terbacil	50 50 50 37	MT/M
6	3-Chloro 4-Floro Aniline OR DIAD	8.33 8	MT/M
7	Metoxuron OR Meta Metron	8.33 8.33	MT/M

*(Handwritten signature)*

8	Nitro Benzene Derivatives	15	MT/M
9	Sodium Hypo Chloride (15%)	480	MT/M
10	3,5 Dichloro Aniline OR	20	MT/M
	3,4 Dichloro Aniline	8.33	MT/M
	2,3 Dichloro Aniline	6.25	MT/M
	2,5 Dichloro Aniline	6.25	MT/M
	<b>TOTAL</b>	<b>993.15</b>	<b>MT/M</b>

**BY PRODUCTS:-**

Sr. No.	Product Name	Maximum Quantity	UOM
01	Sodium Thiomethoxide (new)	70.00	MT/M
02	Recovered Sulphur	15.00	MT/M
03	3-Nitro Ortho Xylene	23.00	MT/M
04	Ortho Nitro Chloro Benzene	3.00	MT/M
05	Dichloro Nitro Benzene	10.00	MT/M
06	Aniline / Ortho Chloro Aniline	0.38	MT/M
07	Spent Catalyst	0.15	MT/M
08	Hydrochloric Acid (30%)	94.00	MT/M
09	Acetone	8.50	MT/M
10	Di-aminoxylidine	35.00	MT/M
11	Sodium Bromide Solution (new)	300.00	MT/M
12	*Calcium Sulphate Gypsum	150.00	MT/M
13	35% Spent Sulphuric Acid	119.75	MT/M
	<b>BIO-PRODUCT</b>		
01	Biosol Odour Eliminator	2050.00	Kg/day
02	Biosol Biosurf	2050.00	Kg/day
03	Biosol Biotrack	2050.00	Kg/day
04	Biosol Bioclean	2050.00	Kg/day
05	Biosol Mac	2050.00	Kg/day
06	Biosol Sanibac	2050.00	Kg/day
07	Biosol Biotrap	2050.00	Kg/day
08	Biosol Biospot	2050.00	Kg/day
09	Biosol Biosep STC	2050.00	Kg/day
10	Biosol Bio-scrub	2050.00	Kg/ Day

NOTE:-\*Industry shall dispose the By-Product Calcium Sulphate (Gypsum) at CHWTSDF.

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	85.0	As per Schedule -I	CETP
2.	Domestic effluent	45.0	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 (IAEC)-/ Thermopack 200000 kcal/hrs (Standby) & Boiler (briquette fired)	1	As per Schedule -II
2.	DG Set(125 KVA)	1	As per Schedule -II

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

Sr. No.	Type of Waste	Quantity	UOM	Disposal
1	3.3 Sludge and filters contaminated with oil	1.80	MT/A	CPCB Registered and MPCB authorized reprocess or

				/CHWTSDF for incineration
2	34.3 Chemical sludge from waste water treatment	66.60	MT/A	CHWTSDF for Landfill
3	35.1 Filters and filter material which have organic liquid	6.00	MT/A	CHWTSDF For incineration
4	35.2 Spent catalyst*	36.00	MT/A	CPCB Registered and MPCB authorized reprocess or /CHWTSDF for incineration
5	5.1 Used /spent oil	0.60	MT/A	CPCB Registered and MPCB authorized reprocess or/ CHWTSDF for incineration
6	20.2 Spent solvents	30.00	MT /A	CPCB Registered and MPCB authorized reprocess or /CHWTSDF for incineration
7	20.3 Distillation residues	99.00	MT /A	CHWTSDF for incineration
8	26.1 Process waste sludge/residues	300.00	MT /A	CHWTSDF for disposal as per waste disposal criteria
9	33.2 Sludge from treatment of waste water	1.20	MT /A	CHWTSDF for Landfill
10	33.3 Discarded containers / barrels / ners	6000.00	MT/A	Decontaminated/puncture/cut/ disposal through MPCB approved unit
11	33.3 Discarded containers ((Plastic/PP/rubber/Glass)	30.00	MT/A	CHWTSDF for disposal as per waste disposal criteria

7. Conditions about Non Hazardous Waste:-

Sl. No.	Type Of Waste	Quantity	UOM	Disposal
1	Metal Scrap	20	MT/A	Sale to authorized party
2	wood scrap	1	MT/A	Sale to authorized party
3	Broken glass	1	MT/A	Sale to authorized party
4	Plastic waste	200	Kg/A	Sale to authorized party
5	Plastic bottles	100	Kg/A	Sale to authorized party

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 ,GOI circular dtd December 14,2006 stating that in case of change of product mix ,change in quantities Or the number of product may be allow without Environmental Clearance by concern SPCB provided such changes in the quantities of products are in the same category & are with previously granted overall total limits.
11. This consent is granted on the basis of the certificate of “ No increase in pollution load” issued by Institute of Chemical Technology,Mumbai.
12. This amendment in consent is issued by overriding earlier consent No. format 1.0/ BO/AST/EIC.No-RD-2895-14/Raigad/R/CC-2093,dtd-25/02/2015, Valid upto- 30/11/2016

For and on behalf of the  
Maharashtra Pollution Control Board

*(P.K.Mirashe)*  
(P.K.Mirashe)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date	Drawn On
1	175100	001661	26/09/2014	Bank of Baroda

Copy to:

1. Regional Officer -Raigad and Sub-Regional Officer-Mahad, 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.



Maharashtra Pollution Control Board

### Schedule-I

#### Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 240CMD.

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
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27 ° C )	100
04	Total Dissolved Solids	100
05	Bioassy Test	90% survival of fish after first 96 hrs in 100% effluent*
	II Additional Parameters	
06	Mercury	0.01
07	Arsenic	0.20
08	Chromium (Hexavalent)	0.10
09	Lead	0.10
10	Cyanide	0.10
11	Phenolics (C6H5OH)	1.0
12	Sulphide (as S)	2.0
13	Phosphate(as P)	5.0

C] The treated trade effluent be 85 CMD from which 15 CMD will be used for gardening & 6 CMD will be used for Lime preparation & filter washing & remaining effluent (64 CMD) should be discharge to CETP. There should not be any discharge outside the factory premises.

A] 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.

B] The treated sewage shall be soaked in a soak pit, which shall be got cleaned periodically. The treated sewage shall be disposed on land for gardening/irrigation.

2) 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 extension or addition thereto.

3) 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.

- 4) 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	130
2.	Domestic purpose	72
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	125
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Gardening/irrigation/plantation	--

- 5) 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.

Maharashtra Pollution Control Board

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**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided inbuilt 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 <sub>2</sub> kg/Day
1	Boiler (IAEC)/Thermopack 200000 kcal/hrs (Standby) & Boiler (briquette fired)	Dust collector	40.00 (common)	Furnace Oil	6.67MT/D	4.5	600
				Briquettes	15.0MT/D	0.06	18
2	DG Set(125 KVA)	Acoustic encloser	4.0	HSD	15.0 Ltrs/Hr	0.5	3.6

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 <sup>3</sup> .
SO <sub>2</sub> Process	Not to exceed	50 mg/Nm <sup>3</sup>
Acid Mist	Not to exceed	35 mg/Nm <sup>3</sup>
NH <sub>3</sub>	Not to exceed	50 ppm
NO <sub>x</sub>	Not to exceed	50 ppm
Chlorine	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 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/D/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to R	5.0 lakhs	15 days from the date of consent issued	Against compliance of Consent conditions and O & M of pollution control systems.	30/11/2016	31/03/2017

Note: - The B.G shall be submitted at Regional Office MPC Board Raigad.

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- 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 yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> 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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