

MAHARASHTRA POLLUTION CONTROL BOARD

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

Consent order No :- Formate 1.0/ BO/CAC-Cell/ EIC No KN-6520-13/14th CAC/ 9008

Date- 25/10/2013

To,

M/s Gharda Chemicals Ltd.,
Plot No. B-22 to 24, 27 to 29 & A- 81 to 83 ,
MIDC, Ph-I, Dombivli,
Dist: Thane

Subject: Consent to Operate RED category.

Ref : 1. Earlier Consent granted vide No BO/JD-PAMS/RO-KN/EIC NO. KN-6465-13/Amnd/CAC-2931, dtd. 08/04/2013
2. Minutes CAC meeting held on 05/10/2013

Your application: CE1307000171

Dated: 08/07/2013

For: Amendment for change in product mix in 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 for a period from date of issue to 31.12.2014
2. The capital investment of the industry is Rs. 136.29 Crs. (As per C.A.Certificate submitted by industry)
3. The Consent is valid for the manufacture of -

Sr. No.	Product Names	Maximum Quantity in MT/M
1	Oxyclozanide (Condensation & Purification)	8
	OR	
	Sulfosulfuran*	3
	OR	
	Acetamipride*	6
	OR	
	Rafoxanide	8
2	Mepiquat Chloride	10
	OR	
	Isoproturon*	400
	AND	
3	Isoproturon*	390
	Bispyribac Sodium *	10
	Cypermethric Acid/ Cypermethric Acid Chloride	200 (55 for captive use in Cypermethrin)
	OR	
	Cypermethric Acid/ Cypermethric Acid Chloride	50
	And	+

	OR	
	Cypermethric Acid/ Cypermethric Acid Chloride	80
	And	+
	Pigment Red	100
4	Clodinofof Propargyl(CDFP)*	6
5	Cypermethrin*/ Alphamethrin*/Lamda Cyhalothrin*	74
	And	+
	Diflubenzuron*	8
	And	+
	Chloro Hydroxy Benzo Phenone (CHBP)/Poly Ether Ketones-PEK/PEKK (its monomer & Polymer)	26
	OR	
	ABPBI	9
	And	+
	DPSO2	10
	And	+
	PTC	15
6	Fipronil*	20
7	R&D Activities	-
8	Insecticide Formulations	250
9	Hexaconazole	15
10	Profenofos	2

Note : (*) Product along with its formulation

List of By-Products

Sr. No.	By Product Names	Maximum Quantity
1	Spent Acid	565 Mt/Month
2	Ortho Nitro Cumene	159 Mt/Month
	or	
	Ortho Cumidine	84 Mt/Month
3	Sodium Salt of Methane Sulfinic Acid	8 Mt/Month
	Oil	0.4 KL/Month
4	Cupric Chloride Solution	75 KL/Month
5	Sodium Sulphite / Sodium Bysulphite solution	1620 KL/Month
6	Ammonium Chloride Solution	720 KL/Month
7	Liquor Ammonia Solution	90 KL/Month
8	Aluminum Chloride Solution (From CHBP Process) / OR Sodium Sulphite/ Sodium Bisulphite Solution + HCL solution from ABPBI process	560.7 Mt/Month OR (51 Mt/Month + 42 Mt/Month)
9	Spent HCl Solution	19.4 Mt/Month
10	Spent Dimethyl Amine	75 Mt/Month
11	Ethyl alcohol (Profenofos)	0.3 Mt/Month

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	525	As per Schedule -I	CETP
2.	Domestic effluent	95	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 - one standby)	1	As per Schedule -II
2.	Process vents from Scrubbers	5	As per Schedule -II
3.	DG set	4	As per Schedule -II

6. Conditions under Non -Hazardous Waste

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	Metallic Scrap	840 Kg/Day	--	Sale
2	Waste Insulation Material	30 Kg/Day	--	Sale to recycle
3	Civil Debris	330 Kg/Day	--	Land Filling
4	Stationery Paper Waste	160 Kg/Day	--	Incineration/Sale to Recycle
5	Metallic Scrap	30 Kg/Day	--	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	Contaminated aromatic, aliphatic or naphthenic solvents not fit for originally intended use.	20.1	1000	MT/A	--	Incineration at their Lote unit/Sale as a by-product.
2	Distillation residue	20.3	80	MT/A	--	Incineration at Lote
3	Chemical sludge including calcium sulfate from Waste Water Treatment	29.2	3480	MT/A	--	Sent to CHWTSDF
4	Ash from Boiler	36.2	12	MT/A	--	Sanitary land fill on their own premises/sent to CHWTSDF.
5	Discarded containers / barrels.	33.3	3000	Nos./A	--	Sale to party after

						decontamination.
6	Contaminated Cotton waste	5.2	4.8	MT/A		Incineration at Lote
7	Contaminated Saw Dust	29.1	4.8	MT/A		Incineration at Lote
8	Date expired and off specifications pesticides	29.3	10	MT/A		Incineration at Lote
9	Used / spent oil	5.1	7.5	MT/A		Incineration at Lote / Sale as by-product
10	Spent activated carbon	28.2	48	MT/A		Incineration at Lote / Sale as by-product
11	Electronic wastes	Schedule IV	1.5	MT/A		Sent to MPCB/CPCB authorized 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. 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 issued by overriding consent no.BO/JD-PAMS/RO-KN/EIC NO. KN/6465-13/Amnd/CAC-2931, dtd. 08/04/2013.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)
Member Secretary

Received Consent form fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	100/-	508719	01.07.13	Canara Bank
Consent Fees of Previous consent.				
1	Rs 5,83,250	47742	09.09.2009	Canara Bank
2	Rs 10,000	162743	06.01.2012	Canara Bank
3	Rs 1,90,000	843914	17.02.2013	Canara Bank
4	Rs 45,000	229030	07.11.2012	Canara Bank

Copy to:

1. Regional Officer - Kalyan and Sub-Regional Officer- Kalyan 1,- 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 620 CMD.

B] The Applicant shall operate the combined 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 pH
01	pH	6.5-8.5
02	Oil & Grease	10.0
03	BOD (3 days 27oC)	100
04	COD	250
05	SS	100
06	CN	0.2
07	Phenol	1.0
08	Pesticides	Shall be Nil
09	TAN	50
10	Copper	3.0

C] The treated effluent shall be discharge to the CETP -620 CMD

D] 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.

- 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/ and 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	645.0
2.	Domestic purpose	100.0
3.	Processing whereby water gets polluted &	400.0

	pollutants are easily biodegradable	
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	—
5.	Agriculture/Gardening	30

- 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.

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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 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	S %	SO ₂ Kg/Day
1	Steam Boiler-2 Nos., 1 Standby	Adequate ht. stack is provided	54	FO	22 T/day	4.5	1980
2	DG Set 1250 KVA	Acoustic enclosure	12.8	HSD	0.95 T/Hr. (In case of power failure)	1	456
3	DG Set 1000 KVA	Acoustic enclosure	11.8	HSD			
4	DG Set 1000 KVA	Acoustic enclosure	11.8	HSD			
5	DG Set 1000 KVA	Acoustic enclosure	11.8	HSD			
Process Vents							
1	CMAC/CMA Filling Point (Plant 3)		17		--	--	--
2	Process Vents Plant 1	Scrubbers are provided	36	NA, Electricity driven	--	--	--
3	Process Vents Plant 2		36		--	--	--
4	Process Vents Plant 3		36		--	--	--
5	Process Vents Plant 4		15		--	--	--

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 .
HCL	Not to exceed	35 mg/Nm ³
Cl ₂	Not to exceed	3 ppm
H ₂ S	Not to exceed	10 ppm
NH ₃	Not to exceed	50 ppm
NO _x	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).

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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 T O R	5.0 Lacs	submitted	O&M of Pollution Control Equipments	31.12.2014	30.04.2015.

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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/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
- 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 Hazarsous 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 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).
- 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 quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 27) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 28) 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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