



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN
Sector-10-A, Gandhinagar-382 021.
Website : www.gpcb.gov.in

BY R.P.A.D

DT: (12-2014)

NO:GPCB/ANK/CCA-617(2)/ID-15821/232018CCA NO: AWH-65879

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under "Hazardous Waste (Management, Handling & Trans-boundary Movement) Rule-2008."

And whereas Board has received consolidated application dated 17/7/2014 and Inward No. 83349 for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts Consent & Authorization is hereby granted as under.

CONSENT AND AUTHORISATION:

(Under the provisions / rules of the aforesaid environmental acts)

To,
M/s. UMA ORGANIC & CHEMICALS,
PLOT NO: 3816,
GIDC ESTATE ANKLESHWAR,
DIST:BHARUCH.

1. **Consent Order No. : AWH-65879, date of Issue 03/11/2014.**
2. The consent under Water Act-1974 for conveying the industrial effluent to the CETP of M/s. ETL for the treatment and disposal of treated effluent & The consent under Air Act-1981, Authorization under Environment (Protection) Act, 1986 shall be **valid up to 23/7/2019** to operate industrial plant for manufacture of the following products:

Sr. No.	Product	Max. quantity/MT Month
1	Banzanthrone Solvent Extraction	31.25

3. CONDITIONS UNDER WATER ACT 1974:

- 3.1 The quantity of industrial effluent shall not exceed **3.5 m3/Day**.
- 3.2 The quantity of the domestic waste water (sewage) shall not exceed **1 m3/Day**.
- 3.3 The water consumption for industrial process and other ancillary operations shall not exceed **5.4 m3/Day** and water consumption for domestic purpose shall not exceed **1 m3/Day** as mentioned in form - D submitted consent application under Water Act-1974.
- 3.4 Sewage shall be disposal of through septic/soak pit system.
- 3.5 The unit shall affix of water meters as per Section 4 (1) of the water (Prevention and Control of Pollution) Cess Act-1997 for the purpose of measuring and recording the quantity of water consumed at such places as may be required, within 15 days and it shall be presumed that the quantity indicated by the meter has been consumed by the industry unit the contrary is proved.

3.4 **TRADE EFFLUENT:**

- 3.4.1 The applicant shall be required to make storage facilities to store the effluent for at least 48 hours by providing acid proof brick lined impervious tanks/HDPE tanks.
- 3.4.2 The applicant shall make fixed arrangement for loading the effluent from their collection tanks to the tanker of ETL. The unit shall not keep any by-pass line or system or loose or flexible pipe line for loading the effluent into the tanker of ETL.
- 3.4.3 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be conveyed along with industrial effluent to the CETP of ETL.
- 3.4.4 Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent lifted into the tanker of ETL.
- 3.4.5 The ENTIRE quantity of industrial effluent shall have to be conveyed by ETL. In no circumstances the effluent either treated or untreated shall be discharged into GIDC drain or anywhere else.
- 3.4.6 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.4.7 The applicant shall be responsible for loading its effluent into the tankers of the ETL for transporting the effluent. Due care shall be taken to avoid any leakage or spillage of effluent during loading the tanker.
- 3.4.8 If the effluent contains heavy metals, phenols & cyanide, the ETL member unit shall have to treat the effluent within its premises to conform to the following standards (Whichever applicable)

PARAMETERS	PERMISSIBLE LIMIT
Zinc (Zn)	5.0 mg/l
Total Chromium	2.0 mg/l
Nickel (Ni)	3.0 mg/l
Mercury (Hg)	0.01 mg/l
Cyanide (as CN)	0.2 mg/l
Pesticides	Absent
Phenolic Compounds	1.0 mg/l
Lead (Pb)	0.1 mg/l
Copper (Cu)	3.0 mg/l
Hexavalent Chromium	0.1 mg/l
Cadmium (Cd)	1.0 mg/l
Arsenic (As)	0.2 mg/l
Selenium	0.05 mg/l
BOD	3600 mg/l
COD	11000 mg/l
Free Acidity	55000 ppm
Ammonia	100 mg/l

- 3.3.9 The applicant shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of



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- electricity on day to day basis and required to submit the complied record of one month to GPCB & ETL on or before fifth day of the succeeding month.
- 3.3.10 In case of shut-down of plant for more than three days, for any reason, the ETL unit member shall intimate to ETL authority & GPCB well in advance for the better operation & management of CETP.
- 3.3.11 The applicant shall either stop or curtail its production activities if the effluent is not adequately treated by the CETP of ETL to conform to the standards specified by G.P.C.B.
- 3.3.12 The authorized representative of ETL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities/ETP (if required) of the applicant.
- 3.3.13 In case of incinerators, the flow measuring devices for mother liquor/toxic effluent/Non-biodegradable effluent, light diesel oil, Furnace oil, etc. i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall also be provided. These data of temperature & flow should be recorded every day & submitted to GPCB & ETL on monthly basis.
- 3.3.14 The GIDC drainage connection given by the GIDC for discharge of industrial effluent shall be disconnected & the outlet shall be sealed.
- 3.3.15 If the ETL authority terminates the membership of CETP, the ETL member unit shall have to close down the manufacturing activities/Industrial operation of the process plant immediately until the ETL membership is resumed.
- 3.3.16 The applicant shall also comply with the General Condition (Whichever applicable from No. 1 to 25) attached herewith.
- 3.3.17 The applicant shall put up at the entrance a board displaying ETL membership number & date of joining of ETL, the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of GEB.
- 3.3.18 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environment safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issued. These Cells also coordinate the exercise of environmental audit and preparation of environmental statements.
- 3.3.19 The Environmental audit shall be out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
- 3.3.20 The Board reserves the right to revoke and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.
- 3.3.21 In case of change of ownership/management the name and address of the new ownership/partners/directors/proprietor should immediately be intimate to the Board.

- 3.3.22 The applicant shall have to submit EVERY MONTH the certified copies of challans (endorsed by ETL) regarding the quantity of industrial effluent (No. of Tankers) delivered per month to CETP of ETL.
- 3.3.23 Unit have to modify / improve performance of existing Effluent treatment facilities for efficiency & adequacy in order to comply with prescribed standards in respects of effective operation of effluent treatment plant with regards to notification No. P/111(3) Board's standards/33129 dated 30th October 2001 in fight of High Court in SCA No. 4473 of 97 dated 21/02/99.

4. CONDITIONS UNDER AIR ACT 1981:

- 4.1 The following shall be used as fuel in Boiler.

Sr. No.	Fuel	Quantity
1.	LDO	1200 Lit/M

- 4.2 The applicant shall install & operate a comprehensive adequate air pollution control system in order to achieve prescribed norms so as to achieve standards.

- 4.2.1 The flue gas emission through stack attached to boiler / furnace shall conform to the following standards:

Stack No.	Stack Attached To	Stack height in Meter	Parameter	Permissible Limit
1.	Small Ind. Boiler	11	SPM SO ₂ NO _x	150 mg/NM ³ 100 ppm 50 ppm

- 4.2.2 The process emission through various stacks/Vent of reactors, process and vessel shall conform to the following standards:

Stack No.	Stack Attached To	Stack Height in Meter	APCM	Parameter	Permissible Limit
1.	Isolation Reactor	12	Caustic Scrubber	HCl SO ₂ CL ₂ HBr	20 mg/NM ³ 40 mg/NM ³ 09 mg/NM ³ 30 mg/NM ³

- 4.2.3 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder.

PARAMETERS	PERMISSIBLE LIMIT (microgram /M ³)	
	Annual	24 Hours Average
Particulate Matter (PM ₁₀)	60	100
Particulate Matter (PM _{2.5})	40	60
Oxide of Sulphur (SO _x)	50	80
Oxide of Nitrogen (NO _x)	40	80



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- Annual arithmetic mean of minimum 10 measurements in a year at a particular site taken twice a week 24 for hourly at uniform intervals.
 - 24 Hourly or 08 hourly or 1 Hourly monitored values, as applicable, shall be complied with 98 % of the time in a year 2 % of the time they may exceed the limits but not on two consecutive days monitoring.
- 4.2.4 Applicant shall strictly adhere the notarized undertaking that unit is not covered under Air Act 1981.
- 4.2.5 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 standards in respect of noise to less than 75dB(a) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5 GENERAL CONDITIONS:-

- 5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 3 (c) & 5 (5))**
- 6.1 Number of authorization: AWH-65879, date of Issue 03/11/2014.
- 6.1.1 **M/s. UMA ORGANICS & CHEMICALS**, is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **PLOT NO: 3816, GIDC ESTATE ANKLESHWAR, DIST: BHARUCH**.

Sr. No.	Waste	Category	Quantity	Treatment & Disposal
1	Carbon Waste	35.3	1.2 MT/Yr.	Collection, Storage, Transportation, Disposal by incineration at BEIL.
2	Discarded bags/Liner/ drums	33.3	140 Nos./Yr.	Collection, Storage, Transportation, Decontamination.
3	Spent Oil	5.1	2.16 KL/Yr.	Collection, Storage, Transportation, sale to register re-processor.
4	Iron Waste	26.1	108 MT/Yr.	Collection, Storage, Transportation, Disposal at BEIL TSDF Site.

- 6.1.2 The authorization is granted to operate a facility for collection, storage, within the factory premises and transportation and ultimate disposal of Hazardous wastes as mentioned above.

- 6.1.3 The authorization shall be in force for a period up to 23/7/2019.
- 6.1.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

TERMS AND CONDITIONS OF AUTHORISATION:

1. The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.
2. The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
3. The persons authorized shall not rent, lend, sell, and transfer of otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
5. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
6. An application for the renewal of an authorization shall be made as laid down in rule 5 (6) (ii).
7. Industry shall submit annual report within 15 days and subsequently by 31st January every year
8. Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
9. Industry shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
10. Industry shall submit annual report within 15 days and subsequently 31st January every year.
11. Industry shall have to manage waste oil; discarded containers etc., process waste as per Amended Rules-2003 and shall apply Authorization for all applicable waste as per Amended Rules-2003.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(K.C. MISTRY)
SENIOR ENVIRONMENTAL SCIENTIST