



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,  
GANDHINAGAR - 382010,  
(T) 079-23232152

By R.P.A.D.

**CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)**  
**CCA NO: AWH- 119654**

**NO: GPCB/BRCH-B/CCA-1575/ID-75949/**

**DT: /09/2022**

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 rule 6(2) of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986.

And whereas Board has received consolidated application dated **05/03/2022** and inward no. **212739** for the consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts, Consolidated Consent & Authorization is hereby granted as under.

**CONSOLIDATED CONSENT AND AUTHORISATION:**

(Under the provisions / rules of the aforesaid Environmental Acts)

To,  
M/s. BBEIL Industry LLP  
Plot No: DP-119,  
GIDC Saykha,  
Tal: Vagra, Dist: Bharuch.

1. **Consent Order No. : AWH-119654, date of Issue 27/06/2022.**
2. The consent under Water Act-1974 for conveying the industrial effluent discharge to CETP - Saykha, The consent under Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be **valid up to 04/03/2027** to operate industrial plant to manufacture following products:

Sr. No.	Name of Product	Quantity (MT/Annum)
<b>A</b>	<b>Dye Intermediates</b>	
1	CMBI	38.7
<b>B</b>	<b>Dyes</b>	
<b>1</b>	<b>Synthetic Organic Dyes 1</b>	
1	Basic Red 46	6
2	Blue 159	
<b>2</b>	<b>Synthetic Organic Dyes 2</b>	
1	Solvent Red 196	35.4
2	Basic Red 76	
3	Solvent Red 197	
4	Basic Brown 16	
5	Basic Brown 17	
6	Basic Orange 31	
7	Basic Blue 99	
8	Basic Red 51	
9	Basic Yellow 87	
10	Basic Red 1-1	

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 686213/11/09/2022

Sr. No.	Name of Product	Quantity (MT/Annum)
11	Basic Red 1	
<b>C</b>	<b>Formulation of Dye (Solid And Liquid)</b>	120
	<b>TOTAL</b>	<b>200.1</b>

**Specific conditions:**

- Unit shall comply with all the conditions stipulated by SEIAA in the order of Environment Clearance issued vide letter no. : SEIAA/GUJ/EC/5(f)/1091/2020 dated 30/09/2020 & EC Letter No: SEIAA/GUJ/EC/5(f)/866/2020 dated 17/06/2021.
- Unit shall use fresh raw material only.
- Unit shall sell out their hazardous waste to authorized end users who is having authorization with valid CCA and rule 9 permission to receive this waste. Unit shall make MoU with such authorized end users and submit MoU.
- All the efforts shall be made to send hazardous waste to cement industry for Co- processing first & there after it shall be disposed through other option.
- Unit shall follow spent solvent management guideline framed by board and shall make MoU with outside distillation units, if any. Also submit the prescribed forms as per guideline.
- Unit shall strictly follow the Solid Fuel guideline framed by Board and shall install APCM as per guideline.
- Unit shall follow coal handling guideline framed by Board and provide close ash handling facility.
- Unit shall strictly follow the Fly Ash Notification for disposal of generated ash.

**3. CONDITIONS UNDER THE WATER ACT:**

3.1 The quantity of total water consumption shall not exceed **86 KLD** as per below break up.

- Industrial: 76 KLD
- Domestic: 3 KLD
- Gardening: 7 KLD

3.2 The quantity of total waste water generation shall not exceed **94.5 KLD** as per below break up.

- Industrial: 92 KLD
- Domestic: 2.5 KLD

**3.3 Mode of disposal of wastewater:**

- Generated **2.50 KLD** domestic sewage shall be treated in STP & Treated water reused for gardening and plantation within premise.

Parameters	Norms
pH	6.5 to 9
TSS	< 100 mg/l
Fecal Coliform ( Most Probable Number per 100 milliliter , MPN/100ml)	<1000 MPN/100ml
BOD (3 days 27 degree C)	<30 mg/l

- Generated **40 KLD** from process shall be treated in primary ETP-1 and sent to CETP-Saykha after conforming the discharge norms prescribed in condition no 3.4.
- Generated total **56 KLD** (48 KLD from process + 8 KLD RO reject) shall be treated in primary ETP-2, in- house MEE with ATFD. MEE condensate (44 KLD) shall be further homogenized with primary treated wastewater generated from Boiler, Cooling and washing (4 KLD) and shall be further treated in ETP with secondary & tertiary treatment facility then sent to RO for



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further treatment and generated RO permeate (40 KLD) shall be reused in process within premise.

- 3.4 The quality of industrial effluent (40 KLD) shall conform to the following standards for discharge into CETP – Saykha:

Sr. No.	PARAMETER	PERMISSIBLE LIMIT/ INLET NORMS
1.	pH	6 - 6.5
2.	Suspended solids	400 mg/l
3.	TDS	10,000 mg/l
4.	COD	3500 mg/l
5.	BOD	1200 mg/l
6.	Ammonical Nitrogen	250 mg/l
7.	TKN	300 mg/l
8.	Color	700 Pt/Co Scale
9.	Total concentration of Heavy Metals like Cr+3, Cr+6, Cu, Ni	5 mg/l
10.	Copper	3 mg/l
11.	Nickel	3 mg/l
12.	Total Chromium	2 mg/l
13.	Hexavalent Chromium	0.2 mg/l
14.	Trivalent Chromium	2 mg/l
15.	Phenol	3 mg/l
16.	Refractory COD	500 mg/l

- 3.5 The effluent conforming to the above standards shall be discharged into CETP – Saykha up to the sea for final disposal at NIO designated point.
- 3.6 Unit 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.
- 3.7 Unit shall implement & follow communication plan so that respected work can be done in minimum response time in case of emergencies.
- 3.8 Unit shall provide online monitoring system for pH, TOC and other parameters with recorder & magnetic flow meters for flow measurement of treated wastewater, if applicable as per CPCB norms.
- 3.9 Unit shall have only one authorized outlet over the ground with full access from outside the premises.
- 3.10 In case of shut-down of plant for more than three (3) days for any reason, member unit shall intimate to GIDC/ Pipeline Project authority & GPCB well in advance for the better operation & management of pipeline.
- 3.11 Unit shall make fixed arrangement for discharge of the effluent from their final collection tanks to the underground drainage network of CETP – Saykha. Unit shall not keep any by-pass line or system or loose or flexible pipe line for discharge of the effluent into underground drainage network of Pipeline.
- 3.12 Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent discharged into the underground drainage network of CETP – Saykha.
- 3.13 Unit shall affix of water meters 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 unit until the contrary is proved.
- 3.14 Unit shall provide adequate / safe effluent sampling facility for the effluent being stored in final collection / discharge tank of ETP or being discharged into CETP – Saykha up to the sea for final disposal at NIO designated point.
- 3.15 Unit shall put up at the entrance a board displaying the name of unit, particulars of the products/ process, the name of proprietor/partners /directors of the unit, GIDC Pipeline Project

- membership number & date of joining of GIDC Pipeline Project membership, the electricity consumer number as on the record of DGVCL.
- 3.16 Unit 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, if applicable as per CPCB norms.
- 3.17 Unit shall either stop or curtail its production activities if the effluent is not conforming to the standards of CETP – Saykha specified by GPCB.
- 3.18 The authorized representative of CETP – Saykha project shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities/ETP (if required) of Unit.
- 3.19 Unit shall have to keep accurate records of quality & quantity of effluent discharged to CETP – Saykha on day-to-day basis. Separate logbook shall be maintained for recording the data & shall be made available for inspection as & when asked.
- 3.20 Unit shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of electricity on day to day basis and required to submit the complied record of each month to GPCB on or before fifth day of the succeeding month.
- 3.21 In case of incinerators or MEE, the flow measuring devices for mother liquor/ toxic effluent/ Non-biodegradable effluent, light diesel 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 on monthly basis.
- 3.22 Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.23 Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be treated along with industrial effluent and final treated effluent shall be discharged to the CETP – Saykha.
- 3.24 If the CETP – Saykha Project authority terminates the membership of Pipeline Project, the member unit shall have to close down the manufacturing activities/industrial operation of the process plant immediately until the membership is resumed.
- 3.25 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.
- 3.26 The Environmental audit shall be carryout yearly, if applicable. The environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30<sup>th</sup> September every year.
- 3.27 The Board reserves the right to review and/or revoke the consent and / or make modifications in the conditions which it seems fit in accordance with provisions of Water Act-1974.

#### 4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The following shall be used as fuel:

Sr. No.	Name of fuel	Quantity
1	LDO/HSD	27.51 TPD
2	Diesel	29.48 TPD
3	Natural Gas	10480 SCM



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4.2 The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack attached to	Capacity	Stack Height in Meter	Air Pollution Control Measure	Parameter	Permissible limit
1	Thermic Fluid Heater - 2 Nos.	(10 Lac Kcal/Hr)	30 (Common stack)	--	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
2	Thermic Fluid Heater - 1 No.	(10 Lac Kcal/Hr)	34	--		
3	Hot Water Generator	(15 Lac Kcal/Hr)	24 (Common stack)	--		
4	Boiler - 1 Nos.	(500 kg/hr)		--		
5	D.G. Sets - 2 Nos.	(250 KVA)	11	--		

4.3 There shall be no process emission from manufacturing process and other ancillary operations.

4.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m <sup>3</sup> )	
		Annual	24 Hours Average
1.	Particulate Matter (PM <sub>10</sub> )	60	100
2.	Particulate Matter (PM <sub>2.5</sub> )	40	60
3.	Oxides of Sulphur (SO <sub>x</sub> )	50	80
4.	Oxides of Nitrogen (NO <sub>x</sub> )	40	80

- Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
- 24 hourly or 08 hourly or 01 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 of monitoring.

4.5 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.

4.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.

4.7 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

4.8 Unit 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 75 dB(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.

4.9 All efforts shall be made to control VOC emissions and odor problem, if any.

5 **GENERAL CONDITIONS: -**

- 5.1 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. Also any change in equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to this Board.
- 5.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 5 meters width is developed.
- 5.3 Unit shall put up at the entrance a board displaying 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 DGVCL.

6. **AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)).**

6.1 Number of authorization: **AWH- 119654, date of Issue 31/03/2022.**

6.2 **M/s. BBELL INDUSTRY LLP** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at Plot No: DP-119, GIDC Saykha, Tal: Vagra, Dist: Bharuch.

Sr. No.	Waste	Process Category	Quantity (MT/Annum)	Facility and Final Disposal
1	ETP Sludge	35.3	164.0	Collection, Storage Transportation, Disposal to common TSDF site.
2	Spent Solvent	26.4	3475.25	Generation, storage, recovery and reuse in process within premises.
3	Distillation Residue	36.1	538.42	Collection, storage, Transportation and sent to incineration or co/pre-processing facility.
4	MEE Salt	37.3	4982.30	Collection, storage, Transportation and sent to common TSDF facility.
5	Used/ Spent Oil	5.1	1.00	Collection, Storage, Transportation, Disposal by selling to registered re-refiner.
6	Discarded Containers	33.1	30.0	Collection, Storage, Decontamination, Transportation, Disposal by selling to registered recycler.
7	Calcium Sulphate	26.1	1872.0	Collection, Storage, Transportation and send to Co-processing or Pre-processing facility.
8	Calcium Carbonate	26.1	85.0	Collection, Storage, Transportation and send to Co-processing or Pre-processing facility.

6.3 The authorization is granted to operate a facility as above.

6.4 The authorization shall be in force for a period up to **04/03/2027.**

6.5 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.

7. **TERMS AND CONDITIONS OF AUTHORISATION:**

7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.



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- 7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
- 7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
- 7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
- 7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
- 7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.
- 7.15 Unit 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 14<sup>th</sup> October 2003.
- 7.16 Unit 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.
- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

FOR AND ON BEHALF OF  
GUJARAT POLLUTION CONTROL BOARD

*91/19*  
(IREAN KAGZI)  
ENVIRONMENT ENGINEER

Outward No: 686213, 14/10/2022