



# GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : [www.gpcb.gov.in](http://www.gpcb.gov.in)

By R.P.A.D.

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 And Other Waste (Management And Transboundary Movement) Rules-2016 framed under the Environment (Protection) Act-1986. This Board is empowered to grant CC&A.

And whereas Board has received consolidated consent application vide No. 211434 Dated: 23/02/2022 for the consolidated consent and authorization (CC & A-Renewal) 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. Jayant Agro Organics Ltd.,

Plot No: 601, 602, 603, 624-627,

B/H: GACL, PCC Area,

Ranoli, Tal: Vadodara,

Dist: Vadodara-391346.

1. Consent Order no.: AWH-118570. Date of issue: 06/05/2022.
2. The consent shall be valid up to 31/12/2026 for the use of outlet for the discharge of treated effluent & air emission and to operate industrial plant for manufacture of the following items / products:

Sr. No.	Product	Quantity
1	Castor Oils and its derivatives- Castor Oil, Boiled, Oxidized, Dehydrated, Blown. and polymerized Dehydrated Castor Oil & allied castor oil based derivatives & chemicals.	1560 MT/Month
2	Fatty Acid, its salt, esters Amides, Polyamides, Polyols and Mixed Fatty Acids allied products.	3000 MT/Month
3	Hydrogenated Castor Oil	1600 MT/Month
	Hydrogenated castor base product including HCO and Octanone, etc.	
4	Sodium Sulphate	600 MT/Month
5	Glycerine- Polyglycerol	200 MT/Month
6	Spent Activated Carbon	11 MT/Month
7	Formulation Product like ASAT-300, ASA, D-120, etc.	100 MT/Month
	Total	7071 MT/Month

## 3. SPECIFIC CONDITIONS:

- 3.1. Applicant shall not carry out any activity which attracts provisions of Environment Impact Assessment Notification 2006.
- 3.2. Applicant shall obtain prior permission of Ground Water Authority for withdrawal of ground water/use of bore wells. (if applicable)

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- 3.3. Management of Solid Waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46).
- 3.4. As per provision of Rule-18 of Solid Waste Management Rules-2016 all industrial units using fuel and located within 100 km from the refused derived fuel (RDF) plant shall made an arrangement to replace at least five percent of their fuel requirement by refused derived fuel so produced.
- 3.5. **Applicant shall provide ESP & Water Scrubber with steam boilers & TFHs within 3 months and informed to the Board.**
- 3.6. **Applicant shall not use Furnace Oil as fuel and switch over to other approved fuel.**

**4. CONDITION UNDER THE WATER ACT 1974:**

- 4.1. The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall be not exceed **18.275 KL/Day.**
- 4.2. The quantity the domestic wastewater (sewage) shall not exceed **7.5 KL/Day.**
- 4.3. The applicant shall provide adequate effluent treatment system in order to achieve the quality of the treated effluent as per norms mentioned in column No.3.

1	2	3
Sr. No.	Parameters	VECL Inlet Norms
1.	pH	6.5 to 8.5
2.	Temperature	40° C
3.	Colour (pt.co.scale) in units	100 units
4.	Suspended Solids	100 mg/l
5.	Oil and Grease	10 mg/l
6.	Phenolic Compounds	1 mg/l
7.	Cyanides	0.2 mg/l
8.	Fluorides	1.5 mg/l
9.	Sulphides	2 mg/l
10.	Ammonical Nitrogen	50 mg/l
11.	Arsenic	0.2 mg/l
12.	Total Chromium	2.0 mg/l
13.	Hexavalent Chromium	0.1 mg/l
14.	Copper	3 mg/l
15.	Lead	0.1 mg/l
16.	Mercury	0.01 mg/l
17.	Nickle	3 mg/l
18.	Zinc	5 mg/l
19.	BOD (5 days at 20°C)	100mg/l
20.	COD	250 mg/l
21.	Chlorides	600 mg/l
22.	Sulphates	1000 mg/l
23.	Total dissolved solids	5000 mg/l
24.	Insecticides/Pesticides	Absent
25.	Bio-assay test	90 % Survival of fish after 96 hours in 100% effluent

- All efforts shall be made to remove color & unpleasant odor as far as practicable.



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- 4.4. The final treated effluent conforming to the above standards shall be ultimately discharged to Effluent Conveyance Channel (ECP) managed by Vadodara Enviro Channel Ltd. (VECL) and shall ultimately be conveyed to estuary of river Mahi for final disposal.
- 4.5. Sewage shall be disposed of through septic tank/soak pit system.

## 5. CONDITIONS UNDER AIR ACT 1981:

- 5.1. The following shall be used as fuel in various utilities respectively.

Sr. No.	Fuel	Quantity
1.	FO	450 lit/hr
2.	HSD	40 lit/hr
3	DOC	As per requirement

- 5.2. The applicant shall install & operate air pollution control system in order to achieve norms prescribed herewith.
- 5.3. The flue gas emission through stack attached to following utilities shall conform to the following standards:

Sr. No.	Stack Attached To	Stack Height	APCM	Parameter	Permissible Limit
Steam Boiler & TFH					
1.	FBC Water Tube Boiler-14.5 MT/hr	33 Meter	Multi Cyclone + bag filter	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
2	Wester work GT 1625 Horizontal package Fire Tube Boiler –cap:2.4 MT steam/hr	33 Meter	----		
3	Thermax Boiler GT 3791 Horizontal package fire tube boiler –cap:5 MT steam/hr (SM-50)	33 Meter	----		
4	F.B.C. Water Tube Boiler GT-5092- 0.32 capacity 10 MT steam/hr)	33 Meter	Multi cyclone+ Bag Filter		
Thermic Fluid Heater					
5	Maxima TFH (RT-15) (RT 15 L Kcal./hr)	31 Meter	-----	Particulate Matter SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
6	FBC-TF-1 (10 L Kcal./hr)	33 Meter	Multi Cyclone+ Bag Filter		
7	FBC-TF-2 (10 L Kcal./hr)	33 Meter	Multi Cyclone+ Bag Filter		

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8	Maxima TFH-RT-10 (10 L Kcal./hr)	33 Meter	-----		
9	FBC TF Heater-3 (15 L Kcal./hr)	33 Meter	Multi Cyclone+ Bag Filter		
<b>D.G. Sets</b>					
10	D.G.Set (320 KVA) (2 nos.)	11 Meter	Acoustic Measures	Particulate Matter	150 mg/NM <sup>3</sup>
11	D.G.Set (750 KVA)	11 Meter	Acoustic Measures	SO <sub>2</sub> NO <sub>x</sub>	100 ppm 50 ppm

- 5.4. There shall be no process gas emission from the manufacturing activities as well as any other ancillary industrial operations.
- 5.5. Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents Chimney in order to facilitate sampling of gases being emitted into the atmosphere.
- 5.6. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels. Applicant shall comply with the National Ambient Air Quality Standards notified by Central Pollution Control Board, New Delhi time to time under the provision of the Environment (Protection) Act-1986.

Parameter	Permissible Limit Annual	Permissible Limit 24 Hrs. Average
Particulate matter-10[PM10]	60Microgram /m <sup>3</sup>	100Microgram /m <sup>3</sup>
Particulate matter-2.5[PM2.5]	40Microgram /m <sup>3</sup>	60Microgram /m <sup>3</sup>
Sulphur Dioxide	50Microgram /m <sup>3</sup>	80Microgram /m <sup>3</sup>
Nitrogen Dioxide	40Microgram /m <sup>3</sup>	80Microgram /m <sup>3</sup>

- 5.7. The applicant 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.
- 5.8. There shall no any fugitive emission and/or odour pollution due to manufacturing activities and ancillary operations. Adequate measures shall be taken thereof.
- 5.9. 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 75 dB(A) during day time and 70 dB(A) during night time. Daytime is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

## 6. GENERAL CONDITIONS: -

- 6.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 6.2 If the products/process falls in SCHEDULE-I or II of the Environmental Audit Scheme, as specified in the order dated 13/3/97 of Hon. High Court in MCA NO.326/97 in SCA No.770/95, the applicant shall also abide by the said scheme.

## 7. AUTHORIZATION UNDER HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES-2016 FORM-2 (See rule 6(2)).

- 7.1 Number of authorization and date of issue: AWH-118570 dated: 06/05/2022.



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7.2 Reference of application No. 211434 Dated: 23/02/2022.

7.3 M/s. Jayant Agro Organics Ltd., is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, treatment, storage, transport of hazardous wastes on the premises situated at- Plot No: 602,624-627, B/H: GACL, PCC Area, Ranoli, Tal: Vadodara, Dist: Vadodara-391346.

7.4. Details of Authorization.

Sr. No	Category of Hazardous waste as per the Schedules	Authorized Mode of disposal	Quantity
1.	5.1- Schedule-I (Used Spent Oil)	Generation, Collection, Storage, Transportation and Disposal by selling to registered /authorized refiner having valid CCA of GPCB & permission under HWM Rule-2016 by use of GPS enable vehicle and xgn generated manifest.	3.5 MT/Year
2	33.1-Schedule-I (Discarded barrels/containers/bags/ carboys)	Generation, Collection, Storage, Transportation and Disposal by selling to registered /authorized re-cycler having valid CCA of GPCB & permission under HWM Rule-2016 by use of GPS enable vehicle and xgn generated manifest.	660 nos./Year (5.28 MT/Year)
3	35.3 - Schedule-I (Chemical Sludge from wastewater treatment)	Generation, Collection, Storage, Transportation and Disposal by sending to approved authorized TSDF having valid CCA of GPCB by use of GPS enable vehicle and xgn generated manifest.	120 MT/Year
4	29.5 - Schedule-I (Spent Nickel Catalyst)	Generation, Collection, Storage, Transportation and Disposal by selling to registered /authorized recyclers having valid CCA of GPCB & permission under HWM Rule-2016 by use of GPS enable vehicle and xgn generated manifest.	60 MT/Year

7.4.1 The Authorization shall be valid for a period of 31/12/2026.

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**7.5 GENERAL CONDITIONS UNDER HAZARDOUS AND OTHER WASTES (M&TM) RULES-2016.**

- 7.5.1 The Authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 7.5.2 The Authorization or its renewal shall be produced for inspection at the request of an officer Authorized by the State Pollution Control Board.
- 7.5.3 The person Authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- 7.5.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- 7.5.5 The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization 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;
- 7.5.6 The person authorized 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"
- 7.5.7 It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
- 7.5.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.5.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.5.10 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.
- 7.5.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 7.5.12 An application for the renewal of an authorization shall be made as laid down under these Rules.
- 7.5.13 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.
- 7.5.14 Annual return shall be filed by June 30<sup>th</sup> for the period ensuring 31<sup>st</sup> March of the year.

**7.6 SPECIFIC CONDITIONS UNDER HAZARDOUS AND OTHER WASTES (M&TM) RULES-2016.**

- 7.6.1 The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
- 7.6.2 Handing over of the hazardous and other wastes to the authorized actual user shall be only after making the entry into the passbook of the actual user.
- 7.6.3 In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
- 7.6.4 The occupier of the facility shall comply Standard operating procedure/ guidelines published by MoEF&CC or CPCB or GPCB from time to time.
- 7.6.5 Unit shall comply provisions of E-Waste Management Rules-2016.



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7.6.6 The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.

For and on behalf of  
Gujarat Pollution Control Board

*D.P. Shah*  
(D.P. Shah)

Senior Environmental Engineer

NO. GPCB/CCA-VRD-346(5)/ID:22100/

Issued To:

M/s. Jayant Agro Organics Ltd.,

Plot No: 602,624-627,

B/H: GACL, PCC Area,

Ranoli, Tal: Vadodara,

Dist: Vadodara-391346.

Outward No: 673402, 26/05/2022

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