

GOA STATE POLLUTION CONTROL BOARD

गोंय राज्य प्रदूषण नियंत्रण मंडळ

(An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Board)

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No. 12/2026-PCB/3204826/R00021311

Date: 07/04/2026

Consent to Operate under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

[To be referred as Water Act and Air Act Rules respectively]

CONSENT TO OPERATE is hereby granted to:

**M/s. 10 TPD GASIFICATION TECHNOLOGY PLANT
(Represented by: Chief Officer, Margao Municipal Council)
(Red Category)**

**Municipal Solid Waste Plant premises,
Sonsodo, Gogol, Margao Goa.**

Located in the area declared under the provisions of the Water Act and Air Act, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is valid up to **for a period of six months from the date of issue for the trial operation of the plant.**
2. This Consent to Operate is valid for the operation up of:

Sr. No.	Description	Quantity
A	10 TPD gasification plant for the treatment of dry as well as mixed waste which will include the following:	
1.	Drying & gasification process of Refuse Derived Fuel (RDF) / Dehydrated MSW	3 Tonnes/ Day
2.	Drying & gasification process of Syngas (used internally for heating, not stored)	300 kg/day
3.	Generation of by-product as Inert Ash / Fly Ash (non-hazardous)	0.05 Tonnes/Day

3. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

- (i) The daily quantity of domestic water consumption from the unit shall not exceed **0.8 KLD**
- (ii) The daily quantity of domestic effluent from the unit shall not exceed **0.5 KLD.**
- (iii) The daily quantity of industrial water consumption from the unit shall not exceed **NIL KLD.**

(iv) **The Digested Slurry / leachate generated (if any) from the waste storage area shall be disposed daily through Night Soil Tankers in the STP located at Navelim of Works Division XXI,PWD. It is to be ensured that the Digested Slurry Beds / leachate tanks are not allowed to overflow. There shall be No Discharge of Digested Slurry / leachate outside the premises.**

(v) **Domestic Effluent treatment and Disposal:-**

The domestic wastewater shall be treated in a properly designed septic tank and discharged on land for percolation through soak pit of adequate size within the unit premises.

(vi) **The unit should empty septic tank and soak pit periodically through night soil tankers for safe disposal and submit the copies of the receipts to the Board on regular basis.**

(vii) A good house-keeping shall be maintained within the factory premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas.

(viii) **Non-Hazardous Solid Waste:**

All the Solid wastes arising in the unit premises shall be properly classified and disposed off as follows:

Sr. no.	Type of segregated solid waste	Quantity	Disposal
1.	Fly Ash	0.5 tons/day	For manufacturing fly ash bricks / pavement blocks having valid consent of the Board.

(ix) The applicant should upload monthly statement (below format) regarding the solid waste generation online.

Sr. No.	Date	Quantity of wet/dry waste	Name of agency collecting the wet/ dry waste	Authorized Signatory

4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

(i) The unit is required to strictly comply with the provisions of the Noise (Regulation and Control) Rules, 2000 as below;

The unit shall take adequate measures for control of noise levels from its own source within the premises in respect of noise. The limits are as follows:

Category of Area/ Zone	Limits in dB (A) Leq	
	Day time	Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

(ii) The unit shall install Air Pollution Control Device of required standards and the exhaust shall meet the standards as specified below.

Sr. No	Source	APC System provided /proposed	Stack Height (in mtr)	Type of Fuel	Sulphur Content (in %)	Pollutant	Standard
1	Gasifier	Ash Filter, Water Based Catalyst Jets with Water Pumps	10.00	Mixed feedstock comprising segregated low calorific value plastic waste and other nonrecyclable fractions derived from material recovery process and dehydrated wet low calorific value waste consisting of non-biodegradable, non-recyclable residues (including plastic content) separated postcomposting process. 250 Kg/Hr		TPM	150 Mg/Nm ³
						SO ₂	0.3 Kg/Day
						CO	50 Mg/Nm ³
						Total Organic Carbon	20 Mg/Nm ³
						HF	4 Mg/Nm ³
						NO _x	400 Mg/Nm
						Total Dioxins & Furans	0.1 ng TEQ/Nm ³
						Cd + Th + Their Compound	0.05 Mg/Nm ³
						Hg & its compounds	0.05 Mg/Nm ³
						Sb + As + Ph + Cr + Co + Cu + Mn + Ni + V + Their Compounds	0.05 Mg/Nm ³
						HCL	50 Mg/Nm ³

5. **GENERAL CONDITIONS:**

- (i) The unit shall not change or alter the quantity, quality of discharge, temperature or the mode of the effluent/ emission or hazardous wastes or control equipment's provided for without previous permission of the Board.
- (ii) The applicant shall provide facilities for collection of the samples to the Board staff.
- (iii) **An application in prescribed form along with the prescribed fees for renewal of Consent shall be submitted as per the Control of Water Pollution (Grant, Refusal or Cancellation of Consent) Guidelines, 2025 and Control of Air Pollution (Grant, Refusal or Cancellation of Consent) Guidelines, 2025.**

- (iv) The Board shall be forthwith informed of any accident or unforeseen event involving discharge of any poisonous, noxious or polluting matter into a stream or well or on land or into the atmosphere, as result of such discharge water/ air is being polluted.
- (v) **This Consent to operate is granted without any prejudice to any of the permission(s) required under any law, by laws and regulations in force and this Consent to Operate is confined to matters arising out of the Air Act and Water Act only.**
- (vi) **This Consent to Operate Order order is issued strictly in terms of the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, the Guidelines issued thereunder and the Goa Water (Prevention and Control of Pollution) Rules, 2021 and the Goa Air (Prevention and Control of Pollution) Rules, 2021.**
- (vii) **This Consent to Operate order does not entitle the establishment to commence operations unless and until all other statutory permissions / clearances required for the operation of the unit including Local Body, Fire and Emergency Services, Excise Department, Factories and Boilers, Food and Drugs Authority, Goa Coastal Zone Management Authority, Legal Metrology, Public works Department, Electricity Department, Town & Country Planning etc. are obtained by the establishment.**
- (viii) **This Consent to Operate Order primarily certifies that the Air and Water pollution control measures installed to be installed by the establishment are adequate and efficient and that the same are required be operating by the unit for its operation.**
- (ix) The Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
- (x) The unit shall submit to this office, the Environmental Statement Report in Form V for the Financial Year ending April to March by 30th September of the succeeding year as per the provisions of the rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- (xi) Reliable flow meter shall be installed to maintain record of water consumption / waste water consumption per day. This records so maintained shall be made available to the Board officials whenever required.
- (xii) The unit shall bear the cost of analysis / monitoring in case of complaints received by the Board / reinspections due to non-compliances observed by the Board & monitoring carried by the Board.
- (xiii) The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991, to the Board office as applicable.
- (xiv) The unit shall submit returns for disposal of batteries under the Battery Waste Management Rules 2022 as amended thereafter, if applicable.
- (xv) The unit shall submit returns for disposal of e - waste under the E- Waste Management Rules 2022 as amended thereafter, if applicable.
- (xvi) The unit shall submit returns for disposal of plastic waste under the Plastic Waste Management Rules 2016 as amended thereafter, if applicable.

- (xvii) The unit shall comply with the Guidelines and DUST Mitigation measures in handling Construction material and C & D waste issued by central Pollution Control Board and are placed on Board website goaspcb.gov.in.
- (xviii) The import, stocking, distribution, sale and use of single use plastic, including polystyrene and expanded polystyrene, commodities as stated in the Plastic Waste Management (Amendment) Rules, 2021, shall be prohibited with effect from the 1st July, 2022.
- (xix) The unit has to obtain no objection certificate from the Central Ground water Authority, or the concerned state authority for any ground water abstraction, if applicable.

7. SPECIFIC CONDITIONS:

- (i) Domestic Wash/waste water generated within the plant premises has to be diverted into Septic Tank/Soak Pit.
- (ii) The Floor Washings/Leachate from the Shed (if any) shall be channelized into the Collection tank. There shall be No Discharge of any leachate outside the premises.
- (iii) Unit shall provide adequate arrangement/exhaust system for odour control for the Shed.
- (iv) The unit install and operate Online Stack Monitoring System for particulate matter (PM), Sulphur Dioxide (SO₂), Nitrogen Oxide (NO_x), Carbon monoxide (CO), Carbon Dioxide (CO₂), Oxygen, and flue gas temperature and shall provide access of the Online Stack Monitoring system readings to the Board's system.
- (v) The unit shall carry out stack monitoring on a yearly basis for the parameters as stated at consent condition 4 (ii) through a MoEFCC approved laboratory and the reports shall be uploaded on the Board's portal within the subsequent 15 days

To,
M/s. 10 TPD GASIFICATION TECHNOLOGY PLANT
(C/o. Margao Municipal Council)
MSW plant, Sonsodo-Gogol,
Margao Goa.

Received Consent fee of: The capital Investment of the unit is Rs. 4,23,00,000/-.

Receipt No.	Amount	Date
3223892	Rs. 2,91,600/- (Consent fees)	27/03/2026

This Consent has been issued with the approval of Chairman, Goa State Pollution Control Board.

(Dr. Geeta S. Nagvenkar)
Member Secretary
Goa State Pollution Control Board

Copy for favour of information and necessary action to:

1. **The Collector and District Magistrate (South Goa District)** Collectorate Building, Margao Goa.
2. The Chief Officer, Margao Municipal Council, Margao, Salcete-Goa
3. The Director, Directorate of Fire and Emergency Services, St Inez, Panaji-Goa
4. The Commissioner of Excise, Department of Excise, Abkari Bhavan, Old High Court building, Altinho, Panaji-Goa.
5. The Chief Inspector, Inspectorate of Factories And Boilers, Altinho, Panaji-Goa
6. The Director, Directorate Food And Drugs Administration, Bambolim-Goa
7. The Member Secretary, Goa Coastal Management Authority, 4th Floor, Dempo Towers, EDC Patto Plaza, Panaji-Goa
8. The Director, Department of Legal Metrology , Legal Metrology Bhavan, Near Air India Colony, Housing Board, Porvorim-Goa
9. The Principal Chief Engineer, Public Works Department, Altinho, Panaji-Goa
10. The Chief Engineer, Vidyut Bhavan, M G Road, Panaji-Goa Electricity,
11. The Chief Town Planner, 2nd Floor, Dempo Towers, EDC Patto, Patto Panaji-Goa
12. The Chief Engineer, Water Resources Department, 2nd Floor, Sinchai Bhawan, Nr. Police Station, Alto Porvorim – Goa.
13. Accounts Section.
14. Concerned File.
15. Guard File.

CUSTOMER FEEDBACK

Dear Citizen / Customer,

We appreciate you for sparing a few minutes for giving us your valuable feedback on our services

Name :Contact

Address:

Email:Date.....

Name of the service availed:

Are you aware that service standards are included in the Citizen's Charter as available on Board's website
[:www.goaspcb.gov.in](http://www.goaspcb.gov.in)?

Yes ☐ No ☐

If yes, is the Citizen Charter simple and easy to understand?

Yes ☐ No ☐

Description of service delivery parameters (Consents/Authorisation/ RTI's/Complaints etc.)	Excellent	Good	Fair	Average	Poor	Reason for grading
Time taken to deliver service in comparison to service standards mentioned in Citizen's Charter						
Quality of service (accuracy, completeness)						
Knowledge of dealing hand / staff regarding services/schemes						
Courtesy of staff						
Board's response in view of your query/requirement is to your satisfaction						
Date of your visit to the office and your overall experience						

Suggestions for improvement, if any

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Signature & date

To,
 The Member Secretary,
 Goa State Pollution Control Board,
 Near Pilerne Industrial Estate,
 Opposite Saligao Seminary, Saligao, Bardez, Goa. 403511

- ❖ Please note that your feedback is considered essential for overall improvement and development of Board functions in service of environment.