

# 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. 12/2022-PCB/1382074/G00010373

Date: 20/10/2022

**Consent to Establish under Section 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, Air Act respectively]

Consent to Establish is hereby granted to:

**M/s. DEVASHRI NIRMAN LIMITED LIABILITY PARTNERSHIP (ELANZA II)**  
**(Represented by : Mr. Dattaprasad PRabhakar Priolkar)**  
**(Green Category)**

**Chalta No. 48 & 51 of PTS No. 122 and**  
**Chalta No. 15, 16, 17 & 18 of PTS No. 127,**  
**Gogol, Margao, Goa**

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M & T) Rules, 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 Establish is valid upto Commissioning of the Residential Complex or 3 years whichever is earlier.
2. This Consent to Establish is valid for the operation of:

Sr. No	Description	Capacity
1.	Residency complex comprising of 30 Nos. 2BHK Flats, and 48 No. 2.5 BHK flats, (Total plot area 2941 sq.m & proposed built up area of 12558.32 sq.m)	-

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

- (i) The daily quantity of effluent from the residential complex (sewage & sullage) shall not exceed **42 K.L.D.**

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Near Pilerne Industrial Estate, Opp.- Saligao Seminary, Saligao-Bardez Goa-403511

(ii) **Sewage Treatment:**

The Residential Complex shall install a sewage treatment plant of **(50 KLD capacity)** working on the SBR technology Comprising of primary treatment screening chamber, oil and grease chamber. Secondary treatment consists of SBR tank. Tertiary treatment consists of chlorination UV system and dual media filters. as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Total Suspended Solids	Not to exceed	Not More Than 20
BOD, 3 days, 27° C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10mg/l

(iii) **Sewage Disposal:**

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening, floor washing, toilet flushing, car washing. There shall not be any discharge outside the Residential Complex premises.

- (iv) A good house-keeping shall be maintained within the complex 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.
- (v) **Residential Complex has to provide separate grey and dark waste water line with separate chambers/manhole before diverting the waste water to the STP. Residential Complex has to install oil and grease trap for the kitchen line and bar screen at the inlet of STP. In addition to oil and grease trap proposed at the STP inlet.**
- (vi) **Residential Complex has to installed electronic flow meter at the inlet and exit of the Sewage treatment Plant. Also electronic flow meter has to be installed for the reuse of treated water for flushing. This records so maintained shall be made available to the Board officials whenever required.**
- (vii) **The project proponent has to provide landscape bed of 600mmx600mm along the periphery and provide drip pipe line for the usage of treated water. Plantations has to be provided in the said bed. The said bed will be in addition to the green belt proposed in the project. High water absorbing plant such as banana plantations etc has to be provided to utilize STP treated water.**
- (viii) **Residential Complex shall prepare a standard operating Procedure, Logsheets, P&ID drawing, electrical drawing, Flow Process chart and tank layout with dimension, Mechanical equipments specifications ,Residential Complex size calculations and make it available at site of the STP.**

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

All the Solid wastes arising in the Residential Complex premises shall be properly classified and disposed off to the satisfaction of the Board. The total quantity shall be segregated and treated as follows:

Sr. no.	Type of segregated solid waste	Quantity	Disposal
1	Dry Waste	117 Kgs/day	To be disposed through local municipal council

2	Wet Waste	78 Kgs/day	To be disposed within the premises using vermin-composting or organic waste composting machine .
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- (x) 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

- (xi) **Closed shed for collection, storage and segregation of dry waste has to be provided at the entrance as per the Solid Waste Management Rule 2016. Seperate Bin has to be provided for the domestic Hazardous waste.**
- (xii) **The unit should maintain and operate machinery/equipment/facility for converting bio-degradable /organic waste generated from the complex to compost so as to meet the standard for compost prescribed in the Solid Waste Management 2016**

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

- (i) The Residential Complex shall install and operate air pollution control system of adequate capacity for the following equipments

Sr. No.	Name of Equipments/ Installation	No of Installation	Capacity	SO <sub>2</sub> Kg/Hr	NO <sub>x</sub>	HC	CO	PM
1	D.G. Set	1	62.5 KVA	0.54	9.2	1.3	3.5	0.3

- (ii) The Residential Complex shall erect the chimney(s) of the following specifications:

Sr. No	Chimney attached to	Height
1	D.G. Set	3.6meters

- (iii) The Residential Complex shall observe the following standards:-

Sr. No	Type of fuel	Quantity /hr
1	H.S.D	7.5 litres/hr

- (iv) **The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring –Material & methodology for isokinetic sampling.**

- (v) The Residential Complex should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.\

- (vi) The Residential Complex shall take adequate measures for control of noise levels from its own sources 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.

Near Pilerne Industrial Estate, Opp.- Saligao Seminary, Saligao-Bardez Goa-403511

## 5. GENERAL CONDITIONS:

- (i) Trees shall be planted and maintained around the plant in an area at least 4 times the built area of the industry. Green belt development shall be started along with the construction activity.
- (ii) The applicant shall not change or alter the quantity, the rates of discharge, temperature and the mode of disposal of the effluent without previous written permission of the Board.
- (iii) The applicant shall provide facilities for collection of the samples to the Board staff.
- (iv) Stack heights for a (Diesel generator set(s) shall be as follows:
- (v) Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula  $H = h + \sqrt[0.2]{KVA}$  where H = total height of the stack in meters, h = height of the building in meters where the generators is installed and KVA = total generator capacity of the set in KVA.
- (vi) The generator shall be installed in a closed area with a silencer and suitable noise absorption systems so as to comply with the ambient noise level standards as mentioned below:
- (vii) The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.
- (viii) The applicant shall provide ports in the chimney / stack and facilities such as ladder, platform etc. as per the directions of Pollution Control Board for monitoring the air emissions and the same shall be open for inspection and use the Board's staff. The chimney / stack attached to various sources of emissions shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- (ix) The industry shall implement the following Rules and Regulations notified by the Ministry of Environment and Forests, Govt. (MoeEF &CC) of India.
  - a. Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016;
  - b. Manufacture, storage and Import of Hazardous Chemicals Rules, 1989;
  - c. Rules for the Manufacture, Use, Import and Storage of Hazardous Micro – organism / - Genetically Engineered Organisms or Cell, 1989.
- (xiii) There shall not be any perceptible odour outside the unit's premises.
- (xiv) All the Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.

- (xv) Notwithstanding anything contained in this conditional letter of consent, the Board hereby reserves its right and powers under section 27(2) of the Water (Prevention and Control of Pollution) Act 1974 and under section 21(4) of the Air (Prevention and Control of Pollution) Act 1981 to review any or all the conditions imposed hereby.
- (xvi) Any change in the details made after the submission of the application/ after obtaining the Consent to Establish shall be brought to the notice of the Board immediately.
- (xvii) The Residential Complex should obtain permission from the Forest Department/ Wild Life Board wherever applicable.
- (xviii) The Residential Complex should implement rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Government of Goa and Directorate of Industries, Trade and Commerce, Government of Goa, before submitting an application for Consent to Operate.
- (xix) The Residential Complex/ generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M&H) Rules has to obtain a separate Authorization from Goa State Pollution Control Board.
- (xx) The Residential Complex shall apply for Consents to Operate of the Board as required under section 25(1) (b & c) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 in the prescribed application form, 45 days before commissioning of the plant
- (xxi) This Consent to Establish 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.

#### **6. SPECIFIC CONDITIONS:**

- (i) **The Residential Complex 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.**
- (ii) **The Builder shall have to maintain the sewage treatment plant for a minimum period of 5 years after commissioning and ensure efficient working of the same.**
- (iii) **The Residential Complex has to use atleast 50% of STP treated water from Government STP for construction purpose instead of Fresh water/ground water.**
- (iv) **The Residential Complex has to use Fly ash Bricks, slag bricks instead of lateritic stone for construction activities.**
- (v) **Unit has to install dual plumbing system and separate overhead treated water tank for usage of STP treated water for toilet flushing.**

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Near Pilerne Industrial Estate, Opp.- Saligao Seminary, Saligao-Bardez Goa-403511

- (vi) **Dedicated plumbing line has to be provided for the garden area for usage of treated water for gardening.**
- (vii) **The Air blower of STP has to be provided with acoustic enclosure to control the noise levels.**
- (viii) **The STP equipments have to be provided with standby power backup from the DG set.**
- (ix) **Residential Complex has to provide sludge drying bed for the drying of sludge.**
- (x) **Unit has to obtain permission from central ground water authority or state authority for usage of any borewell if used.**

**To,**  
**M/s. DEVASHRI NIRMAN LIMITED LIABILITY PARTNERSHIP (ELANZA II)**  
**(Represented by : Mr. Dattaprasad PRabhakar Priolkar)**  
**Chalta No. 48 & 51 of PTS No. 122 and**  
**Chalta No. 15, 16, 17 & 18 of PTS No. 127,**  
**Gogol, Margao, Goa**

Copy to: - 1 Accounts Section  
 2 Concerned File  
 3 Guard File

Received Consent fee of: **The capital Investment of the Residential Complex is**  
**Rs.37,10,00,000/-**

Challan no.	Amount	Date
1159	Rs. 85680/- (NOC fees)	27/07/2022

**(Dr. Shamila Monteiro)**  
**Member Secretary**  
**Goa State Pollution Control Board**

**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:

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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.