



File No: SIA/GA/INFRA2/583812/2026

State Environment Impact Assessment Authority (SEIAA), Goa

(Constituted as per the provision of EIA Notification, 2006, as amended by the Ministry of Environment, Forest and Climate Change, Government of India)



Dated: 04/09/2026

To,

Deogonda Patil
zuari observatory towers limited
Plot no. 5, Inside Govind Narayan Singh Gate, Chuna Bhatti, Kolar road, Bhopal, Bhopal, BHOPAL,
MADHYA PRADESH, 462016
deogondapatil@dilipbuildcon.co.in

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Proposed construction of observatory towers and viewing galleries including approaches, decorative lighting, parking for the New Zuari Bridge on NH17/NH66 on Panjim-Mangalore section on DBFOT Mode in the state of Goa submitted to Ministry vide proposal number SIA/GA/INFRA2/583812/2026 dated 25/07/2026.

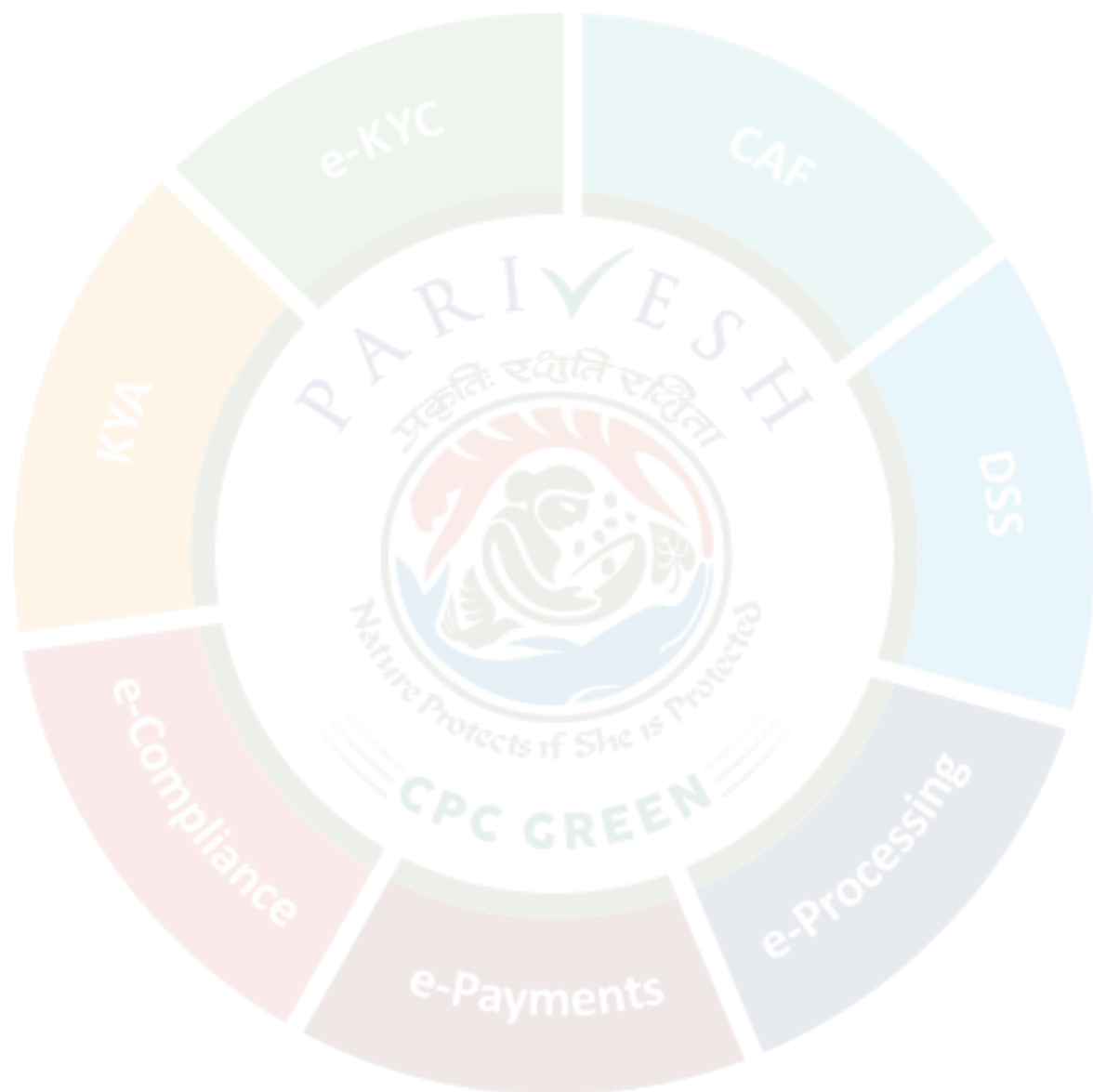
2. The particulars of the proposal are as below:

(i) EC Identification No.	EC26C3803GA5273252N
(ii) File No.	SIA/GA/INFRA2/583812/2026
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	8(a) Building / Construction Proposed construction of observatory towers and viewing galleries including approaches, decorative lighting, parking for the New Zuari Bridge on NH17/NH66 on Panjim-Mangalore section on DBFOT Mode in the state of Goa
(vi) Name of Project	zuari observatory towers limited
(vii) Name of Company/Organization	NORTH GOA, GOA
(viii) Location of Project (District, State)	SEIAA
(ix) Issuing Authority	no
(x) Applicability of General Conditions	no
(xi) Applicability of Specific Conditions	no

3.

Copy To

N/A



GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Constituted by the Ministry of Environment, Forest and Climate Change,
Government of India

C/o Department of Environment and Climate Change
4th Floor, Dempo Towers, Patto Panaji Goa - 403001.

e-mail: goaseac@gmail.com

No: 271/3/2026-27/GSEIAA/Project-Prop/ 135

Date: 04 /09/2026

To,

Zuari Observatory Towers Limited,

Plot No. 5, Inside Govind Narayan Singh Gate,
Chuna Bhatti, Kolar road, Bhopal,
Madhya Pradesh - 462016.

Sub: EC+CRZ Clearance for the proposed construction of observatory Towers and viewing galleries on pile caps of existing new Zuari Bridge on NH- 66/17, construction of access bridge, strengthening of existing shore protection along the river bank, temporary structures, recreational areas, landscaping, cafeteria, tourist amenities, utilities, parking, floating pontoons, dredging, etc within row of existing new Zuari bridge on NH17/NH66 on Panjim-Mangalore section on DBFOT Mode in the State of Goa with a total built-up area of 41,674 m².

Sir,

I am directed to refer to your application dated 25/07/2026 on Parivesh Portal seeking EC+CRZ Clearance for the proposed construction of observatory Towers and viewing galleries on pile caps of existing new Zuari Bridge on NH- 66/17, construction of access bridge, strengthening of existing shore protection along the river bank, temporary structures, recreational areas,

landscaping, cafeteria, tourist amenities, utilities, parking, floating pontoons, dredging, etc within row of existing new Zuari bridge on NH17/NH66 on Panjim-Mangalore section on DBFOT Mode in the State of Goa under the EIA Notification, 2006 (*as amended*).

Accordingly, the above proposal has been screened and appraised under Category 8(a), Building & Construction project on the basis of the documents enclosed with application viz. Common Application Form, Form A, Form B as well as additional clarifications furnished in response to the observations made by the Goa State Expert Appraisal Committee (*hereinafter referred as "Goa-SEAC"*). The Goa-SEAC in its 293rd meeting held on 28th August 2026 decided to recommend the said proposal to the Authority for grant of EC+CRZ Clearance under the provision of EIA Notification 2006 (*as amended*) with certain 'Specific Conditions' to be complied by the Project Proponent.

Further, the Goa State Environment Impact Assessment Authority (Goa-SEIAA) in its 199th Goa-SEIAA meeting held on 02/09/2026 decided to grant EC+CRZ Clearance with the mandatory compliances & subject to the following conditions under the provision of EIA Notification 2006 (*as amended*) till date.

The Details of the project submitted by the Project Proponent are as follows:

Sr. No.	Description	Details
1.	Name of the Project Proponent	Public Works Department
2.	Address for Communication	Div. XIV Fatorda, Madgaon, South Goa, Goa
3.	Name & location of the project	Zuari Observatory Tower Project Goa, New Zuari Bridge Goa
4.	Total Construction / Built up area	41,674 sq.m

5.	Building configuration & Height of the tower	RCC Shaft/Tower & Height :127 Mtr
6.	Total water requirement (Construction/operation phase)	Construction-150 KLD / 107 KLD
7.	Sewage Generation	68 KLD
8.	STP Capacity /Proposed Technology	70 KLD / Membrane Bioreactor (MBR)
9.	Total Solid Waste Quantities	2400 Kg Per day (Including all Kitchen, Used oil, e- waste, municipal solid waste & inert waste etc.)
10.	Energy Efficiency	Solar Panel, LED, Motion Sensor & VFD etc.
11.	Parking 4W and 2W	4W - 128 No & 2W – 250 no
12.	Power requirement	912 kVA
13.	D.G set Capacity	750 KVA & 500 KVA
14.	RWH tank capacity	75 Cum
15.	EMP cost (including DMP cost)	Construction Phase - 324 Lakh Capital 65.5 Lakh O & M, Operation Phase - 115.5 Capital & 77.5 Lakh O&M including DMP cost



1. Statutory compliance:

- i. The Project Proponent (PP) shall obtain all necessary clearance/ permission from all relevant agencies including Town Planning Authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc, as per National Building Code including protection measures from lightening etc.
- iii. The Project Proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iv. The Project Proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board.
- v. The Project Proponent shall obtain the necessary permission for drawl of ground water/surface water if required for the project from the Competent Authority. However, the ground water should not be utilized for the construction purpose.
- vi. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- vii. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent Authorities.
- viii. The provisions of the Solid Waste (Management) Rules, 2016 (as amended till date), e-Waste (Management) Rules, 2016 (as amended till date), and the

Plastics Waste (Management) Rules, 2016 (as amended till date), shall be followed.

- ix. The Project Proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- x. Under the provision of EPA Act 1986, legal action shall be initiated against the Project Proponent if it was found that construction of project have been started without obtaining EC.
- xi. Six monthly compliance reports should be submitted to the Ministry of Environment for Climate Change with a copy to the Goa-SEIAA and GSPCB in hard as well as soft copy format for the period up to the project completion.

II. Air quality monitoring and preservation

- i. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii. The Project Proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (eg. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iii. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986.
- iv. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the

building as well as the site. These measures shall include screens during construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin (250 GSM or more) sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

- v. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other Sustainable Urban Drainage Systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- iii. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the Project Proponent. The record shall be submitted to this Authority, Regional Office and MoEF&CC along with six monthly compliance reports.

- v. Use of water saving devices fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators; etc) for water conservation shall be incorporated in the building plan.
- vi. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing to be provided.
- vii. Water demand during construction should be reduced by use of pre-mixed concrete (RMC), curing agents and other best practices referred.
- viii. The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- ix. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- x. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000 (as amended till date). Incremental pollution loads on the ambient air and noise quality shall be closely



monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to this Authority and Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Waste Management

- i. A certificate from the Competent Authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the Municipal Solid Waste generated from project shall be obtained.
- ii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.
- iii. Separate bins for wet, dry and domestic waste must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- iv. All non-biodegradable waste shall be handed over to Authorized recyclers for which a written tie up must be done with the authorized recyclers.



- v. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016 (as amended till date).
- vi. The 70 KLD Sewage Treatment plant shall be installed and operated in accordance with the requirements stipulated by the GSPCB. No untreated sewage or treated effluent shall be discharged into the Zuari River.

VI. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. A First Aid Room shall be provided in the project both during construction and operations of the project.

VII. Corporate Environment Responsibility (CER)

- i. The Project Proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.



- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest/wildlife norms/ conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and / or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the Authority as a part of six-monthly report.
- iii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office/Auhtority along with the Six-Monthly Compliance Report.

VIII. Miscellaneous

- i. The Project Proponent shall prominently advertise at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded Environment Clearance and the details of MoEF& CC/SEIAA website where it is displayed.



- ii. The copies of the Environmental Clearance shall be submitted by the Project Proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The Project Proponent shall upload the status of compliance of the stipulated Environment Clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The Project Proponent shall submit six-monthly compliance reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at Environment Clearance portal (Parivesh).
- v. The Project Proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vi. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- vii. The Project Proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, and also during their presentation before the Goa State Expert Appraisal Committee / Goa State Environment Impact Assessment Authority.
- viii. No further expansion or modifications in the plan shall be carried out without prior approval of the Authority.



- ix. Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- x. The SEIAA reserves the right to revoke or suspend the Environment Clearance, if implementation of any of the conditions stipulated in the EC is found to be unsatisfactory.
- xi. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement to these conditions.
- xii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- xiii. The conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xv. Further, this EC is issued without prejudice to the action initiated in the Environmental Protection Act or any court case pending in the court of law. As

such, it does not mean that the PP has not violated any Environmental Law in the past and whatever decision under the said act by the Hon'ble court will be binding on PP. Hence this Environmental Clearance does not give immunity to PP in the case complaint is filed, against if, any or action initiated under the said act.

- xvi. In the case of any changes in the scope of the project, the project would require a fresh appraisal by Goa SEIAA.
- xvii. Separate funds shall be allocated for implementation of Environmental Protection Measures/EMP along with item wise break-up the fund air marked for the environmental protection measures shall not be diverted for other purposes.
- xviii. **Validity of the Environmental Clearance (EC) accorded shall be period of 10 (ten) years from the date of its issue.**

IX. Further, the Authority decided to direct the Project Proponent to comply with the following Specific Conditions.

- i. The Project Proponent shall submit the details of water usage during the construction stage as part of the six-monthly compliance report. This shall include certification from SIDGIL or documentation of water sourced from registered tanker vendors. The details of the same including water quality shall be submitted to the Authority.
- ii. The PP shall provide a sufficient number of parking spaces in accordance with applicable local regulations, ensuring convenient, safe and accessible parking for all the users, including provision for visitors and service vehicles.



- iii. Project Proponent shall contact the Public Works Department (PWD) to identify designated areas for disposal of excavated materials and construction debris. The details of the designated disposal site, along with the proof of disposal, shall be submitted to the Authority.
- iv. The workers/labours shall be provided with all necessary facilities and their housing should be maintained in hygienic condition to ensure safety and healthy living.
- v. PP shall submit the details of CER activities carried out, during submission of Six-Monthly Compliance report.
- vi. The PP shall undertake periodic monitoring of the water quality of the Zuari River at suitable upstream and downstream locations during construction and submit the results along with the six monthly compliance reports.
- vii. The estuarine shore be strengthened by constructing/building a gabion wall either of laterite or basaltic stone.
- viii. PP shall ensure that the cross section of the existing nallah draining water from the existing pond to the river is maintained
- ix. PP to adopt suitable measures to prevent pollution/littering of the estuarine environment during and post construction.
- x. PP shall adopt plantation for green belt preferably comprising of native and suitable species appropriate to riverine ecosystems and the same may be implemented in consultation with the Goa biodiversity board.
- xi. **The Project Proponent shall comply to the all the conditions stipulated in the order issued by GCZMA vide letter Ref. No:-GCZMA/S/25-26/57/473 dated 18/05/2026.**



**X.PP is further directed to comply with all the conditions as imposed by the
Goa State Pollution Control Board:**

CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:

- i. Domestic Effluent Treatment: The unit shall provide Sewage Treatment Plant 70 KLD consisting of primary/ secondary and/ or tertiary treatment 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	20 mg/l
BOD, 3 days, 27°C	Not to exceed	10 mg/l
COD	Not to exceed	50 mg/l
Oil & Grease	Not to exceed	10 mg/l
NH4-N	Not to exceed	5 mg/l
N-total	Not to exceed	10 mg/l
Fecal Coliform	Less than	100 MPN/100ml

- ii. All treatment units of STP except sewage/effluent collection tank and treated effluent storage tank will be above finished ground level.

- iii. Domestic Effluent Treatment and Disposal:

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening or flushing. There shall not be any discharge outside the unit premises.

- iv. A good house-keeping shall be maintained within the 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. The project/unit should have zero discharge policy. i.e. the treated waste water may be re-used in process/green belt development/or any other use as deemed fit by the unit with due permission from the Board
- vi. The project/unit shall provide separate waste water line with separate chambers/manhole before diverting the waste water to the STP. Project shall install bar screen chambers at the inlet of STP.
- vii. The project/unit shall install electronic flow meter at the inlet and exit of the Sewage treatment Plant. Also electronic flow meter shall be installed for the reuse of treated water for flushing. This records so maintained shall be made available to the Board officials whenever required.
- viii. Unit shall provide dual plumbing system and separate overhead treated water tank for usage of STP treated water for toilet flushing.
- ix. Dedicated plumbing line shall be provided for the garden area for usage of treated water for gardening.
- x. The Air blower of STP shall be provided with acoustic enclosure to control the noise levels.
- xi. The STP equipment shall be provided with standby power backup from the DG set.
- xii. The project/unit shall provide mechanized sludge drying bed system.
- xiii. The project/unit shall install an IOT based equipment monitoring system for continuous monitoring of the operation and performance of the Sewage Treatment Plant (STP).



- xiv. The project/unit shall install ultra filtration unit and reuse water for gardening, flushing, cooling and floor washing.

Non-Hazardous Solid Waste:

- i. All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board. Closed shed for collection, storage and segregation of dry waste shall be provided as per the Solid Waste Management Rules 2026.
- ii. The project/unit shall provide machinery/equipment/facility for converting biodegradable /organic waste generated from the unit to compost so as to meet the standard for compost prescribed in the Solid Waste Management Rules, 2026 under Schedule II Standards of processing and treatment of solid waste.

CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

- i. The project/unit shall 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.
- ii. The project/unit 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.
- iii. The project/unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise.
- iv. The project/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.

- v. **The project/unit shall comply to the Notification issued by the Department of Environment vide Notification Series I No.5 dated 2nd May 2024 as amended thereafter regarding The Noise Pollution (Regulation and Control) Rules 2000, in view of the directions dated 15/03/2019 issued by the Hon'ble NGT in O.A.681/2018.**

GENERAL CONDITIONS:

- 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.
- Trees such as local trees including canna Indica, Banana, Bamboo trees etc. shall be planted and maintained around the plant. Green belt development shall be started along with the construction activity.
- At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

- iv. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
- v. 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.
- vi. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- vii. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- viii. The applicant shall provide facilities for collection of the samples to the Board staff.
- ix. The unit shall discharge the treated effluents preferably on land for irrigation/gardening/ lawn within their own premises or re-use after suitable treatment.
- x. The unit should obtain permission from the Forest Department/ Wild Life Board wherever applicable
- xi. Stack heights for a (Diesel generator set(s)) shall be as follows: Diesel Generator set(s): The minimum height of the stack to be provided with each generator shall be as per the formula $H = h + \sqrt[3]{0.2 \times KVA}$ 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. 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: The ambient noise level shall not exceed 75 dB (A) at a distance of 5 meters from the source.

- xii. 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.
- xiii. All solid waste arising in the premises shall be properly classified and disposed off to the satisfaction of the Board.
- xiv. The unit shall implement the following Rules and Regulations notified by the Ministry of Environment and Forests, Govt. of India. a) Hazardous and other Wastes (Management and Transboundary Movement) amended Rules, 2016; (b) Manufacture, storage and Import of Hazardous Chemicals Rules, 1989; Rules for the Manufacture, Use, Import and Storage of Hazardous Micro – organism / - Genetically Engineered Organisms or Cell, 1989.
- xv. 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.
- xvi. This Consent/permission/approval is granted without any prejudice to any other permission(s) required under any laws, by – laws and regulations in force. This



Consent to operate is confined to matters arising out of the Air Act and Water Act only.

- xvii. This Consent/permission/approval 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 there under and the Goa Water (Prevention and Control of Pollution) Rules, 2021 and the Goa Air (Prevention and Control of Pollution) Rules, 2021.
- xviii. This Consent/permission/approval does not entitle the establishment to commence operations / establish unless and until all other statutory permissions / clearances required for the operation / establishment 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.
- xix. This Consent/permission/approval primarily certifies that the Air and Water pollution control measures proposed to be installed by the establishment are adequate and efficient and that the same are required to be installed by the unit for its establishment.
- xx. This consent/permission/approval does not entitle the party to commence activities until and unless all the other Permissions as required under the relevant statutes are obtained by the party and this Consent to Operate is confined to matters arising out of the Air Act and Water Act only.
- xxi. 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.



- xxii. The unit shall apply for Consent 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.
- xxiii. Reliable and calibrated 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.
- xxiv. The unit shall submit the details of the Public Liability Insurance Policy under the PLI Act 1991 to the Board office as applicable.
- xxv. The unit shall submit returns for disposal of batteries under the Battery Waste Management amended Rules, 2022, if applicable.
- xxvi. The unit shall submit returns for disposal of e - waste under the E-Waste (Management) amended Rules, 2022, if applicable
- xxvii. The unit shall submit returns for disposal of plastic waste under the Plastic Waste Management amended Rules 2016, if applicable.
- xxviii. 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.
- xxix. 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 is prohibited.
- 

xxx. 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.

xxxi. The unit shall use Fly ash Bricks, slag bricks instead of lateritic stone for construction activities.

Yours faithfully,

(Sachin S. Desai)

**Director, (Environment),
Member Secretary, Goa-SEIAA**

Copy for favour of information to:

- a) **The Collector**, North Goa District, Panaji-Goa.
- b) **P.A. to Secretary (Environment)**, Secretariat, Porvorim, Goa.
- c) **P.S. to Additional Secretary**, Ministry of Environment & Forests (MoEF), Paryavaran Bhavan, C.G.O. Complex, Lodhi Road, New Delhi - 110510
- d) **The Chairman**, Goa-State Environment Impact Assessment Authority.
- e) **The Chairman**, Goa-State Expert Appraisal Committee.
- f) **Member Secretary**, Goa Coastal Zone Management Authority (GCZMA), Patto, Panaji, Goa
- g) **Member Secretary**, Goa State Pollution Control Board (GSPCB), Opp Saligao Seminary, Saligao, Bardez, Goa.
- h) **Integrated Regional office Kendriya Sadan**, 4th Floor, E & F Wings, 17th main road, II Block, Koramangala, Bangalore-560034.