

**CITIZEN'S CHARTER FOR DEPARTMENT OF SCIENCE, AND
TECHNOLOGY AND WASTE MANAGEMENT
PORVORIM, BARDEZ - GOA**

1) Introduction:

The erstwhile Department of Science, Technology and Environment was established in the year 1983 as a Secretariat Administrative Department at Panaji. Subsequently, it was shifted to Saligao, Bardez, Goa in the year 1997 and thereafter at Pandit Deendayal Upadhyay Bhavan, Porvorim, Bardez, Goa in the year 2016. This Department was bifurcated into two Departments in the year 2017- viz. (i) Department of Science and Technology and (ii) Department of Environment. In the year 2019, the nomenclature of the Department of Science and Technology was changed and now it is functioning independently as Department of Science and Technology and Waste Management (DS&T&WM).

2) Organization:

The Department is headed by the Director who is also the Ex-officio Joint Secretary to the Government. The Department implements various schemes towards popularization of science, promotion of Science & Technology (S&T) and Innovations in the State, application of remote sensing technology and management of all types of wastes, generated in the State, in safe and scientific manner. The mandate of the Department is executed through various statutory and non-statutory agencies/authorities listed below.

1. Goa State Council for Science & Technology (GSCS&T).
2. Goa State Remote Sensing Centre (GSRSC).
3. Goa Waste Management Corporation (GWMC).
4. Goa State Innovation Council (GSInC).

3) Main Activities of DS&T&WM:

1. Promotion of appropriate S&T & Innovation and waste management based projects relevant to the needs of the State.
2. Implementation of science popularisation drives.
3. Organization and promotion of science event, scientific exhibitions, seminars and workshops.
4. Publications of papers, brochures and books etc. relevant to S&T&WM.
5. Application of Remote Sensing technology for management of natural resources and planning.
6. Administration of statutory and advisory bodies on S &T &WM.
7. Management and Disposal of all types of wastes generated in the State in safe and scientific manner through Goa Waste Management Corporation.

4) **Services offered by the DS&T&WM:**

Promotion of S&T and Innovation based projects and Science Popularization activities through various schemes of the Department available on the website .

- (i) SCHEME FOR RESEARCHERS IN THE FIELD OF SCIENCE AND TECHNOLOGY AND INNOVATION FOR PROJECTS OF STUDENTS AS PART OF ACADEMIC CURRICULUM AND TO PUBLISH PUBLICATIONS/BOOKS ETC. IN THE FIELD OF SCIENCE, TECHNOLOGY AND INNOVATIONS.
- (ii) SCHEME FOR PROVIDING GRANT-IN-AID TO CONDUCT SCIENCE SEMINARS, WORKSHOPS, AWARENESS PROGRAMMES, EXHIBITIONS, SUPPLY/REPLACEMENT OF SCIENCE EDUCATION VEHICLES AND PROVIDING FINANCIAL ASSISTANCE TO TEACHING FACULTIES, RESEARCHERS AND SUBJECT SPECIALTY EXPERTS TO PARTICIPATE IN SCIENCE SEMINARS & WORKSHOPS IN INDIA AND ABROAD IN THE FIELD OF SCIENCE & TECHNOLOGY.
- (iii) SCHEME TO PROVIDE GRANT-IN-AID FOR GROUP OF STUDENTS OF HIGH SCHOOLS AND HIGHER SECONDARY SCHOOLS IN THE STATE OF GOA WITH 40% RESERVATION TO STUDENTS FROM ST COMMUNITY.
- (iv) SCHEME TO ENCOURAGE STUDENTS FOR INNOVATIVE PROJECTS.
- (v) SCHEME FOR GOA RAJYA VIDNYANIK PURASKAR (GRVP).
- (vi) MANOHAR PARRIKAR YUVA SCIENTIST AWARD (MPYSA).

Besides, Department is the Nodal Department to look after Treatment & Disposal of all types of wastes, generated in the State of Goa, by setting up of various Common Waste Management Facilities in the State.

5) **ESTABLISHMENTS AND FACILITIES PROMOTED BY THE DS&T&WM**

A. **Goa Science Centre and Planetarium, located on Marine Highway, Miramar** is a Science Museum. It is a joint project of National Council of Science Museums (NCSM) and Department of S&T&WM, Government of Goa, functioning under National Council of Science Museums, Ministry of Culture, GoI.

Goa Science Center and Planetarium is an excellent Science Education facility perceived and developed to inculcate scientific temperament in the minds of students in particular and people in general. The center houses modern indoor interactive exhibits consisting various galleries depicting scientific principles and phenomena in biology/physics/chemistry/earth

sciences/oceanography/fun science, etc. It also houses outdoor science park for children, renewable energy systems, mobile science exhibition and computer room. State-of-the-art 3-D theater is the attraction of the student community. The Centre also conducts various activities such as workshops, science quiz contests, science fairs, National Science Day, World Environment Day, science film festival, science drama competitions, and training programmes for teachers and housewives.

Virtual Reality Corner is additional attraction, wherein latest Information Technology exhibits are placed in Fun Science Gallery. So also Large Size Models of Prehistoric Animals such as Dinosaurs have also been installed in the Science Park.

The visiting hours for the center is from 10.30 am. to 6.00 pm on all days except Holi and Diwali. The Entry fee is Rs. 10/- per head for general visitors and a concessional entry fee of Rs.5/- per student in organized 'school/college' groups.

For more details, please contact:

*The Project Director,
Goa Science Centre
Marine Highway, Miramar, Panaji,
Goa – 403 001.
Ph.No. (0832)2463426
Email: gscgoa@gmail.com
WEBSITE :www.goasciencecentre.org.*

B. Amateurs' Astronomical Observatories at Panaji (Junta House), Margao, Ravindra Bhavan and Ponda at Goa Vidya Prasarak Mandal (GVM), Ponda.

The Amateurs' Astronomical Observatory at Panaji 5th Floor, (Junta House) is managed through the NGO, Association of Friends of Astronomy (AFA). The entry is free and the viewing timings are 19.00 Hrs. to 21.00 Hrs. on weekdays during the months of November to May. Regular lectures, seminars and outreach programmes are organized by the observatory.

For more details, please contact:

*Shri. Satish Nayak,
5th Floor, Junta House,
Panjim, Goa – 403 001.
Tel No. 9822381869/ 9518502404
Email:afagoa@gmail.com*

The Amateurs' Astronomical Observatory at Goa Vidya Prasarak Mandal (GVM), Ponda, is established on 18th December, 2004 with state-of-the-art equipments. The Observatory has excellent supporting infrastructure such as an air conditioned seminar room called 'Antaral', housing a library of books on Astronomy, other audio visual aids including Computer, CCD camera, eyepieces, different kind of filters and turbo films. Latest addition to this is the installation of Astronomical Dome for Star Gazing. Viewing timings are from

19.00 hrs. to 20.00 hrs. on three days in a week(MON-WED-FRI).

For more details, please contact:

*Goa Vidyaprasarak Mandal's (GVMs) Science Center,
Farmagudi, Ponda.
Mobile No. 8975367409*

The Amateurs' Astronomical Observatory at Vidyut Bhavan (Power House), Aquem, Margao established on 14th November, 2004 and is managed through the Margao Chapter of the Association of Friends of Astronomy (Goa). The entry is free and it is open only on Saturdays and Sundays from 19.00 hrs. to 21.00 hrs. during the months of November to May. Astronomical models are displayed at the Observatory and night sky observation programmes are conducted throughout Goa during fair season.

For more details, please contact:

*Shri. Gaurav Dhumatkar, Coordinator,
Public Astronomical Observatory
(Margao Chapter),
Ravindra Bhava, Margao – Goa 403601.
Ph: 9923544025
Email: gauravdhumatker@gmail.com*

- **Annual Science Film Festival:** Science Film Festival is organized every year at Panaji – Goa through Vidnyan Parishad, Goa where in different films based on science are being streamed for the benefit of students and public. Also pre-fest activities are organized like scientist interaction, Science Film making workshop and competition, Science fiction films and Documentaries etc.

For more details, please contact:

*Shri. Suhas Godse,
President,
Vidnyan Parishad, Goa
Ph: 9326102008*

OR

*Shri. Manohar Pednekar,
Secretary,
Vidnyan Parishad, Goa
Ph: 7972564480*

- **Manohar Parrikar Vidnyan Mahotsav:** Following the Nobel Prize Series, in 2018, an annual prestigious event “Manohar Parrikar Vidnyan Mahotsav” is being organized on 12th December every year wherein science based lectures are delivered through eminent scientists from India and abroad. The main venue for this programme is National Institute of Oceanography, Dona Paula, Goa. The Lectures are live telecasted to 7 to 8 Colleges in Goa, covering @5000 students from Colleges, Higher Secondaries, Schools etc.

- **Goa State Innovation Council (GSInC):** Goa State Innovation Council is established with its Secretariat at Don Bosco College of Engineering, Fatorda, Margao Goa. Activities under GSInC are:

(a) **Virtual Innovation Register (VIR)** is one of the initiatives of GSInC which is an online platform where innovators and entrepreneurs can register their ideas virtually and source the required support to achieve the expected results.\

Benefits of Registering New Ideas under VIR

- Intellectual Property Right Support.
- Support for Commercialization.
- Pitching to prospective Buyers.

(b) **Goa's Young Innovator Award:** This award is declared annually to encourage students across schools and education Boards to present their ideas on a common platform, giving each student an equal opportunity to demonstrate their innovation.

For more details, please contact:

*Shri. Sudip Phaldesai, Project Officer,
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C/o Don Bosco College of Engineering,
Fatorda, Margao – Goa 403601.
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- **Goa State Council for Science and Technology (GSCST):** GSCST is the autonomous body established under Department of Science & Technology and Waste Management with its office at DSTE building, Saligao, Goa. It is set up to assist Department of S&T&WM in promotion and popularization of Science and Technology in the State of Goa.

GSCST works for implementation of projects in the following areas:

- Popularization of science and awareness in Environment Conservation.
- Water Resource Management.
- IPR facilitation and Awareness
- Socio Economic Development.
- Research, Design and Development.
- Remote Sensing and GIS activities.

For more details, please contact:

*Mrs. Brenda Fernandes, Member Secretary,
Goa State Council for Science and Technology,
Opp. Saligao Seminary,
Saligao, Bardez Goa 403 511.
Ph No. 0832 2407012 Mobile No. 9822185390
Email: ms-gscst@goa.nic.in*

- **Patent Information Centre (PIC):** PIC has been established under the Goa State Council for Science and Technology to scrutinize and forward matters related to Intellectual Property Rights (IPR). So also conduct activities like technical workshops, facilitation for fitting of IPs, establishment of IPR cells, IPR based lectures, workshops etc. Also GI applications are filed in the GI Registry for various Goan produce. Some of the GI granted are Feni, Khola Chilly, Harmal Chilli, Myndoli Banana, Goan Khaje.

For more details, please contact:

*Shri. Deepak Parab, Patent Information Centre Incharge
Patent Information Centre
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Goa Waste Management Coporation (GWMC)

In order to tackle the problem of Management of Solid Waste and other Wastes, generated in the State of Goa, the Government of Goa under Department of Science and Technology and Waste Management, established Goa Waste Management Corporation (GWMC) with the mandate to manage/ treat and dispose various types of wastes generated in the State in safe and scientific manner.

Department, through GWMC has set up and in the process to set up various Waste Treatment Facilities in the State of Goa.

- (i) 250 Tones per day Solid Waste Management Facility at Saligao, Bardez Goa (Already set up and in operation).
- (ii) 100 tones per day Solid Waste Management Facility at Cacora, Goa (operations already started)
- (iii) Biomedical Waste Treatment Facility at Kundaim already setup and in operation
- (iv) Common Hazardous Waste Storage treatment and Disposal Facility at Pissurlem – Goa in operation.

For more details, please contact:

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Managing Director,
Goa Waste Management Corporation, (GWMC),
Saligao.
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*Mrs. Nandan Prabhudesai,
General Manager,
Goa Waste Management Corporation,
Saligao*

APPENDIX-I

Sr. No.	Addresses/Telephone & Fax Nos./E-mail
1)	The Director/Jt. Secretary(DS&T&WM), Department of Science and Technology and Waste Management, 1 st Floor, Pandit Deendayal Upadhyay Bhavan, Porvorim, Bardez, Goa - 403521. Telephone No.: (0832) 2416584/ 2416581 E-mail: dir-ste.goa@nic.in
2)	The Member Secretary, Goa State Council for Science and Technology, Opp. Saligao Seminary, Saligao, Bardez, Goa - 403511. Telephone No.: (0832) 2407012 E-mail: ms-gscst@goa.nic.in
3)	The Director, Goa State Remote Sensing Centre, Opp. Saligao Seminary, Saligao, Bardez, Goa - 403511. Telephone No.: (0832) 2407012
4)	The Managing Director, Goa Waste Management Corporation, C/o Hindustan Waste Treatment Pvt. Ltd., Saligao, Bardez Goa. Mobile No. 7767812925 E-mail: contact@zerowastegoa.com
5)	The Chairman, Goa State Innovation Council, C/o Don Bosco College of Engineering, Margao - Goa. Telephone No.: (0832) 2744007 E-mail: projectofficer@gsic.in