

Manual 1

Particulars of organization, functions and duties

[Section 4 (1) (b) (i)]

In order to provide the benefits of space technology applications to citizens of Odisha state, the state Government with the advice of Department of Space, Govt. of India established the ORISSA REMOTE SENSING APPLICATIONS CENTRE (ORSAC) in the year 1984 under the Department of Science & Technology at Bhubaneswar. This centre has been registered under the Society Registration Act (No XXI of 1860) vide registration no 441-1 of 1984-85. This centre was renamed as ORISSA SPACE APPLICATIONS CENTRE (ORSAC) in the year 2009 (vide registration no 22978/188 of 2008-09) and again as ODISHA SPACE APPLICATIONS CENTRE (ORSAC) in the year 2012.

This centre is acting as the apex body of the state for space technology applications and comprises of a pool of multidisciplinary applications scientists and technologists to undertake Remote Sensing, GIS, GPS/DGPS and communication technology applications.

ORSAC has been appointed by the state Government vide resolution No 3765/S&T dated 30th July 2009 of the Science & Technology Department, Govt. of Odisha as sole Nodal Agency for providing remote sensing and GIS application solutions to all the offices including public sector undertakings, Govt. departments, Govt. societies and private users as per their requirements.

As per clause -18 of Rules & Regulations of the memorandum of the Association, this centre is governed by a Governing Body with the Chief Secretary and Chief Development Commissioner, Govt of Odisha as the Chairman and the Chief Executive, ORSAC as the Member Secretary. The other members include

- Development Commissioner and Secretary to Government, Planning & Co-ordination Dept. Govt of Odisha
- Secretary to Government, Science & Technology Department, Govt. of Odisha
- Secretary to Government, Finance Department, Govt. of Odisha
- Secretary to Government, Information Technology Department, Govt. of Odisha
- Secretary to Government, Panchayati Raj Department, Govt. of Odisha
- Director, Space Applications Centre, ISRO, Dept. of Space, Govt. of India, Ahmedabad
- General Manager, Regional Remote Sensing Centre (EAST), ISRO, Department of Space, Kolkata

2. The major functions of ORSAC are:

- Establishment of up-to-date / real-time satellite database, topographical, cadastral and Geo-coordinates laboratory
- Demonstration and operationalization of space technology applications
- Application of remote sensing, GIS, GPS / DGPS / ETS and communication technology for several development planning activities
- Creation of centralized facilities for analysis of remotely sensed data for developmental activities using Geographic Information System
- Demonstration of multi-disciplinary application projects for mapping, monitoring and management of natural resources and environment
- Participation in various projects sponsored by Indian Space Research Organization (ISRO), Department of Space

- Supply of up-to-date ,accurate and geo-referenced database to resource managers, planners and decision makers for natural resources management, environmental monitoring ,infrastructure development and other developmental programmes/schemes
- Dissemination of district/block/GP/village level GIS database through internet.
- Connecting people through GRAMSAT network. This includes interactive training programme, production and telecast of developmental programmes in fiction based drama format, documentary format as well as news magazine format.
- Reaching quality teaching to school students uniformly across the state through EDUSAT network
- Popularization of space technology through Space Information Centre
- Capacity building of Officers of different Departments of Government of Odisha and India in the use of remote sensing, GIS and DGPS
- Extend support and guidance to different stakeholders in preparing project reports and implementation of plans/schemes.
- Arrangement of training modules on geo-informatics and communication technology for college and university teachers and students.
- Supporting Academicians/teachers/students/Researchers in research activities.

ORSAC undertakes projects relating to remote sensing, GIS and DGPS/ETS based surveys both in side and outside the state.

3. Normal working hours both for office and public, except Second Saturday, Sunday and public holidays is from 10.00 A.M to 05.00 P.M.