

National Natural Resources Management System (NNRMS) Scheme

The National Natural Resources Management System (NNRMS), a national level inter-agency was set-up in the year 1983 and chaired by the Member, the erstwhile Planning Commission, Government of India. This agency steers the Earth Observation (EO) programme in the country.

Under this system, nine Standing Committees on Agriculture & Soils, Bio-Resources, Cartography & Mapping, Geology & Mineral Resources, Ocean & Meteorology, Rural Development, Training & Technology, Urban development, Water Resources chaired by the Secretaries of the concerned Ministries of the Government of India, were constituted to provide vital inputs on the requirements of space, ground and user segment.

The Scheme of "National Natural Resources Management System (NNRMS)" of the Ministry is a part of an umbrella scheme of the erstwhile Planning Commission-Planning Committee-National Natural Resources Management System (PC-NNRMS) and is in operation since, 1985. The Standing Committee on Bio-Resources and Environment (SC-B) is one of the Standing Committees constituted by PC-NNRMS *vide* order No. PC/CH/01/84 dated 23.06.1984 under the Chairmanship of Secretary (EF&CC), with Members from Central and State Governments including Planning Commission, Department of Agriculture and Cooperation, Ministry of non-Conventional Energy Sources, Department of Bio-Technology, State Forest Department of Assam, Karnataka, Uttar Pradesh, Rajasthan, Madhya Pradesh and Sikkim and the North-Eastern Council, Forest Survey of India and Department of Space.

The main objective of the Scheme is utilization of Remote Sensing and GIS Technology for inventorisation, assessment and monitoring of country's natural resources.

Eligibility for grant

Scientists and technologists who are working in the academic institutions, universities, national institutes, recognized R&D institutions, reputed NGOs and Voluntary Bodies(both NGOs and VBs have to be registered as research institutions with DISR) will be eligible to receive grant under this scheme. The activities of the institution should be in the field of remote sensing and GIS technology utilization.

Procedure for Grant

The procedure for inviting, evaluating and sanctioning of the proposals are executed through the following two committees:

(i) Technical and Financial sub-Committee of NNRMS

This Committee is constituted under the Chairmanship of Advisor with expert Members from different institutions in the field of remote sensing and GIS. The Committee examines the proposals received from various institutions for funding under this programme. The tenure of this Committee is over and Ministry is in the process of reconstitution of the same.

(ii) Standing Committee of NNRMS on Bio-Resources and Environment (NNRMS SC-B)

Standing Committee on Bio-Resources and Environment (SC-B) has been constituted by the erstwhile Planning Commission under the Chairmanship of Secretary, EF&CC. The SC-B identified 56 key environmental and ecological priority

areas for taking up remote sensing and GIS based studies. These priority areas encompassed forest, grassland, flora and fauna resources, wet lands, land degradation, coastal mangroves, coral, snow glaciers, water and air pollution, some typical areas like mining, coastal areas, wildlife habitat etc.

This Committee was constituted *vide* Standing Order Ref.No.PC/CH/02/95 dated 1st March, 1995 by PC-NNRMS, erstwhile Planning Commission. Subsequently, ISRO vide Office Order No.SC/CH/A.22/65/2005 dated 15.12.2005, nominated Dr. Ajay, SAC, Ahmedabad as Member Secretary of the Standing Committee on Bio-resources and Environment, until further orders. Dr. Ajay has superannuated and no replacement has been made so far. Ministry is in the process of seeking nomination from ISRO.

Monitoring and review of the progress of the ongoing projects

The monitoring and review of physical and financial progress of the projects sanctioned by the Ministry are being carried out by the Technical and Financial Sub-Committee (TFSC) at least once in a financial year.

Acceptance of final Technical Report

The Principal Investigator circulates the draft FTR to the TFSC and also makes a presentation before the Sub-committee. Based on the recommendations of the TFSC, final release is made to the P.I. to settle the project. In case of mega projects, the Standing Committee of NNRMS/SC-B takes the final acceptance of FTR and, thereafter, final settlements of accounts and closure of the project is made.

Some of the mega projects commissioned under this programme include the following:

- (i) National level Forest Type Mapping on 1:50,000 scale for the entire country by Forest Survey of India.
- (ii) Mapping of Wildlife Sanctuaries and National Parks on 1:25,000 scale by Wild Life Institute of India (WII), Dehradun.
- (iii) Coastal Zone Studies for entire Indian Coast on 1:25,000 scale.
- (iv) Snow and Glacier mapping of entire Himalayas (1:250,000/ 50,000 scales), coordinated by SAC (ISRO).
- (v) National Wetland Inventory and Assessment (1:50,000 scale), coordinated by SAC (ISRO).
- (v) Desertification Status Mapping of India (1:500,000 scale), coordinated by SAC(ISRO).

Outlay:

The proposed outlay for the period 2017 – 20 plan is 9.00 Crore. The year wise break up is as under

Year	2017-18	2018-19	2019-20	Total (in Crore)
Amount (Rs.)	Rs. 2.5	Rs. 2.75	Rs. 3.05	8.3 [8.5(round-off)]

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