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2 week Training on
Remote Sensing Applications for Land Resources Management
(July 1 - 12, 2019)

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Management and utilization of land resources – land, vegetation and water have assumed the greater importance in the wake of increasing environmental degradation. Land is being either over exploited or misused causing land degradation or reduction in its productivity. Land Resources Management (LRM) has played a prominent role in the developmental efforts in many countries in the last several decades, helping to increase incomes, augment usable water resources, improve productivity and mitigate droughts. LRM is a course of action involving proper use of the natural ecosystem to achieve specific objectives like control of soil erosion or land degradation, reclamation degraded lands, land use revisions consistent with land capability, management of croplands, grasslands etc., and management of water resources.

Action Plan for Water Harvesting Structures

Remote Sensing with its ability of synoptic viewing together with GPS, GIS, in-situ / field observation can be used as an important tool for inventorying, periodic updation, monitoring, assessment, planning and development of these land resources spread in different agro climatic regions of India. Variety of Satellite data sets are available for regional to micro level planning and providing substantial support & solutions in most affected areas. Improved land utilization play a key role in national development.
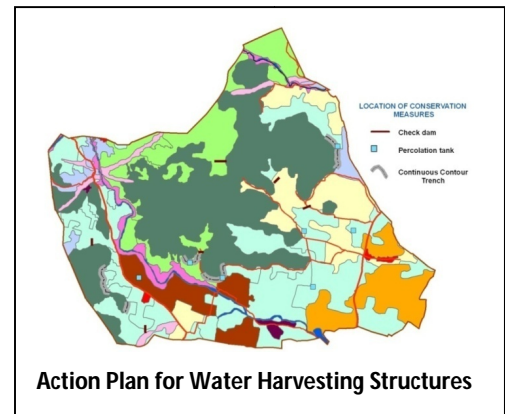
Field Photograph illustrating Progress on Ground

Training Focus

The training is intended to impart knowledge and skills development towards effective utilization of Remote Sensing Technology and Applications for Land Resource Management with emphasis on agriculture, soils/land degradation, water (surface & ground water) resources, landuse planning, watershed development and rural development with case studies, necessary Demonstrations and Hands-on practicals.

Who Can Apply?

Applications are invited from State Government / Central Government Departments, NGOs, Private Companies and Faculty/Research Scholars from Academic Institutions who intended to acquire this knowledge and utilize in operational/developmental/R&D activities. Participant should have minimum Masters in Science or Bachelors degree in Engineering. Right of admission reserved with NRSC.