

MANDATE

- Soil survey and mapping in the country to promote scientific land use planning.
- Research, training and education in pedology and land use planning.

MISSION

To spread the knowledge/awareness on land and soil resources for its preservation, conservation, increasing productivity and ensuring sustainable agricultural production.

VISION

To be the National Custodian of country's land and soil resources and land use related database and to support scientific and judicious land use planning at various levels to ensure food and income security.

SIGNIFICANT ACHIEVEMENTS

- Soil resource map of the country (1:1 million scale), states (1:250,000 scale) and 82 districts (1:50,000 scale).
- Agro-Ecological Regions (AER) and Agro-ecological Sub-Region (AESR) maps of country
- Land-degradation map of the country
- Methodology for large scale soil resource mapping using geo-informatics.
- Soil resource maps on 1:10,000 scale of selected watersheds (267), villages (173) and research farms (106).
- Land evaluation and land use planning of irrigated, rainfed, coastal, arid, and hill and mountain Agro-ecosystem and showcasing of agro-techniques at 56 operational units.
- Refined land capability, irrigability and soil-site suitability criteria for various crops.
- Methodology developed for district and watershed/village level land use planning.
- Decision Support Systems (DSS) for Land Use Planning.
- Farmers' Advisory on Soil Nutrient Management Development of Soil Health Cards of different regions.

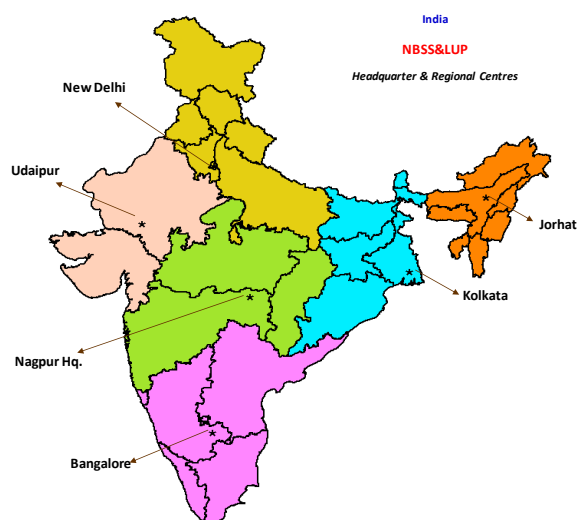
FIVE BEST TECHNOLOGIES/PRODUCTS

- Soil Resource Database comprising morphological, physical and chemical properties of the soils for the country, states and districts on various scales.
- **Soil - land use models** in coastal region, command and non-command areas of the desert ecosystem; Zero tillage based agriculture in northern plains of Bihar; pigeon pea-based cropping system in Chotanagpur region, tree and

crop based land uses in the coast of Andaman are established as resource conservation technologies .

- Protocols for mapping extent and severity of multiple nutrients, using Geo-informatics for the eastern and northeastern regions, Karnataka and Kerala states in Southern region.
- Soil organic carbon stock of the country
- Soil Information System in GIS environment for district land use planning
- Georeferenced Soil Information System of Black Soil Region and Indo-Gangetic Plains for Land Use Planning and Monitoring Soil Quality

LOCATION



SPECIAL PROGRAMMES FOR THE FARMING COMMUNITY

- Institute Village Linkage Programmes (IVLP) undertaken for the selected villages of Nagpur district, Maharashtra.
- Developed a farmer's advisory service, hosted on www.wbagrisnet.gov.in of the NIC server and linked to mobile phones that guides farmers on soil fertility management of West Bengal for growing vegetables, rice, pulses and fruits.
- Potential area for growing onion has been identified in the selected villages of Aurangabad, Dhule and Gondia districts of Maharashtra and a number of soil based agro-technologies implemented for livelihood improvement of the farmers.
- Participatory diagnosis exercise was undertaken in selected hamlets of villages of Mysore district, Karnataka, 24 Paraganas (South) district, West Bengal and Jorhat, Assam under the Tribal Sub Plan to identify the needs of the tribal community, prioritize and address them.

- Prepared Soil health cards for 9366 farms of Gajwel Mandal, Medak district, Telangana.
- Mera Gaon Mera Gaurav programme implemented across the country.

EXTERNALLY FUNDED PROJECTS/CONSULTANCY

Foreign aided projects: Nil
Other sponsored projects – 20 (DST, IRRI, NAIP, CSIR., Deptt. of Agri. Govt of Telangana etc).

THRUST AREAS FOR XII PLAN

- Development of land-resource inventory for village level planning in India.
- Refining the areas affected with different degradation process.
- Development of blue prints for efficient agricultural land-use planning at different levels
- Conducting basic and strategic research in pedology, remote sensing and emerging technology for land-use planning.

NEW INITIATIVES

- Land use planning for managing acid sulphate soils
- Application of geo-informatics in land use planning and land degradation studies
- Assessment and monitoring of impact of land use planning on soil system and environment
- Soft Computing Techniques for Land Evaluation
- Prime land mapping
- Fallow land mapping of Goa
- Development of National Soil Geoportal.

FLAGSHIP PROGRAMMES

- Land Resource Inventory at 1:10000 scale
- National Network Programme on Agricultural Land Use Planning

COLLABORATIVE PARTNERS

The Bureau maintains linkages with national and international organizations like NRSC, Hyderabad, ICRISAT, Hyderabad, CIMMYT, New Delhi and ISRIC, ITC, the Netherlands, Govt of Telangana, Goa, Meghalaya, BISAG, Ahmedabad.

QRT

Period: 2007 to 2012
Chairman: Prof. S.K. Sanyal
Next QRT due for 2012 to 2017

RAC

Period: 30.9.2013 to 29.9.2016
Chairman: Prof. S.K. Sanyal
Next RAC due for 30.9.2016 to 29.9.2019

IMC

Period: 27.8.2013 to 26.8.2016
Chairman: Dr. S.K. Singh, Director (From 1.2.14)
Next IMC due for 27.8.2016 to 26.8.2019

RFD & COMPOSITE SCORE FOR 4 YEARS

Year	2011-12	2012-13	2013-14	2014-15
Score	98.8	96.8	96.8	98.0

STATUS OF ISO 9001

Certified/Not certified, if yes, from where (Name of agency):
Certified by (M/S Quality Growth Services Pvt. Ltd., New Delhi.

PUBLICATIONS (previous year) (2014-15)

No. of papers in NAAS rated journals:

- (a) No. of papers in score < 6 : 42
- (b) No. of papers in scores > 6: 12

Total : 54

Per scientist per year paper : 0.75

FINANCIAL OUTLAY

For Main Institute (Rs in lakh)

	XI Plan actual utilization	XII Plan sanctioned	Last year budget 2015-16		
			RE	Actual Expenditure	% Utilization
Plan	3310.20	3142.00	437.21	437.20	100%
Non-Plan	14215.00	17587.00	5468.00	5301.34	96.95%
Total	17525.00	20729.00	5617.00	5738.54	98.48%

RESOURCE GENERATION FOR LAST 3 YEARS

(Rs. In lakh)

2013-14	2014-15	2015-16
57.90	61.63	81.47

STAFF STRENGTH (as on 31.3.2016)

	Sanctioned	Filled	Vacant	% vacant
Scientific	100	79	21	21%
Technical	165	134	31	18%
Administrative	67	48	19	28%
Supporting	76	51	25	34%
Total	408	312	96	23%

Director: Dr. S K Singh

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