

NOIDA CENTRE

Noida centre of Soil and Land Use Survey of India (SLUSI) is located in North India, C-4, Sector-1, Noida, Uttar Pradesh state. The centre has a two-storied building and GIS & Remote Sensing laboratory of Head Quarter (Delhi) is situated in the ground floor. Soil Survey officer, Administrative section and Soil Laboratory is situated in the first floor. The Cartographic, Library and Field section rooms of technical staff are situated on the second floor of the building.

The Noida Centre Survey jurisdiction is mainly in the North India includes state Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand. Different types of soil survey are undertaken by the centre as per the guidelines of headquarter. These surveys include, Detail Soil Survey, Priority Delineation Survey and Soil Resources Mapping. The soil survey is based on scientific criteria of soil mapping and soil classification. Soil mapping units are classified and interpreted in various soil groups, which can be utilized for various purposes. The soil survey reports are generated after calculation of the area under different Soil Mapping Unites. These reports are utilized by state Governments for implementations of various developmental programmes.

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FACILITIES

1. Computer and Others :

1.	Hardware		
A.	Computers & Printers :		Quantity
	i.	Computers	5
	ii.	Kyocera TASKalfa 2201 A3 Printer	1
	iii.	Basic HP A4 Printer	4
2.	Internet and LAN :		
	i.	BSNL Internet	
	ii.	All Computers are connected through LAN	

- 2. REMOTE SENSING LAB:** - Noida Centre is utilizing in Remote Sensing Cell (RSC) facilities, which is monitoring by HQ, New Delhi. RSC In-charge provides work station and software as per work load of NOIDA Centre. The following information are given below:

1.	Visual Interpretation :	a. Light tables for Image Interpretation b. Stereoscope for Aerial Photo interpretation.
2.	Digital Analysis / GIS	i. HP Workstations – 3 Nos ii. Ripro MSP Scanner (A0 size) – 1 Nos iii. Arc GIS Software – Two. iv. ERDAS Imagine Software for Digital Image Analysis – 1 No.

3. REMOTE SENSING CELL & DIGITAL CARTOGRAPHIC LAB

Noida Centre have no any individual's lab, but Noida Centre is utilizing in Remote Sensing Cell (RSC) facilities, which is monitoring by HQ, New Delhi. RSC In-charge provides work station and software as per work load of NOIDA Centre.

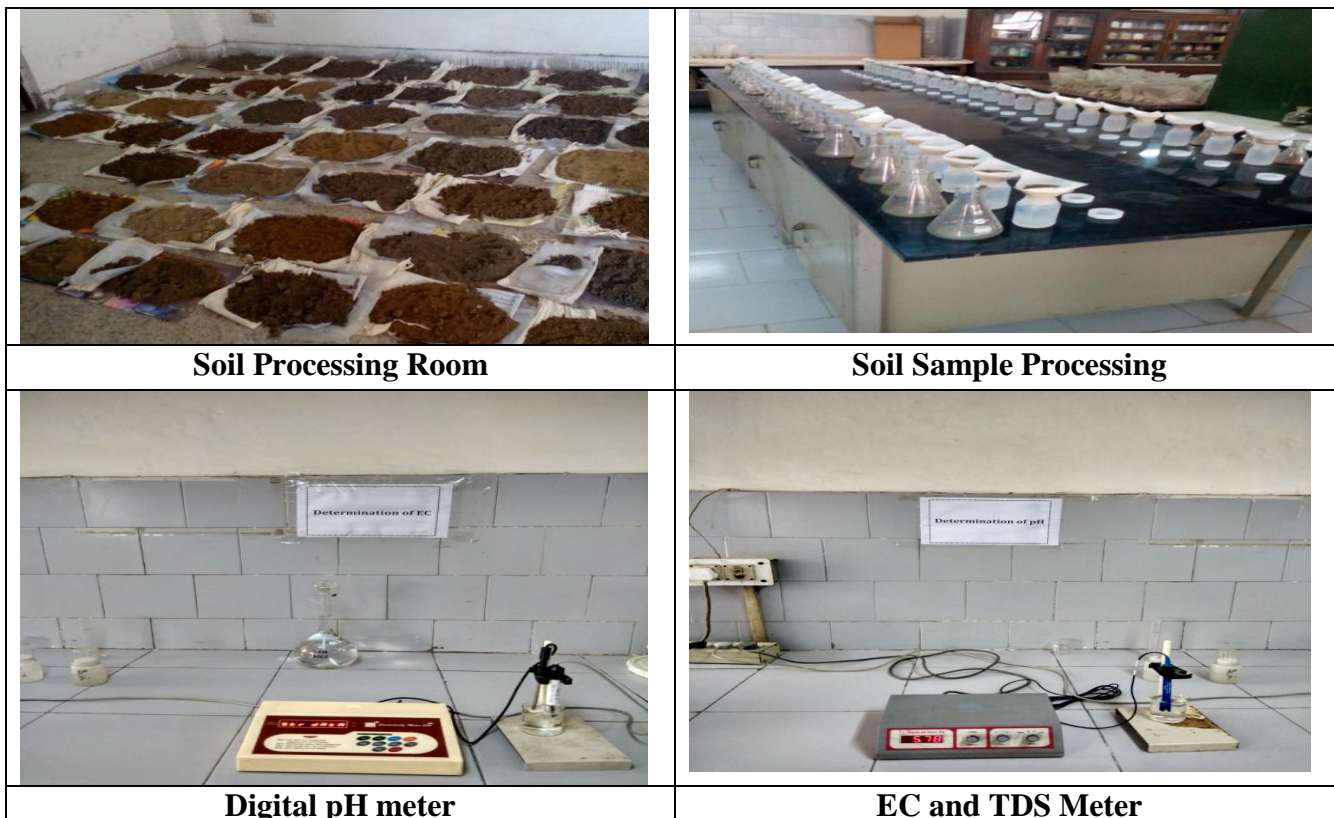
4. PHOTO PROCESSING LABORATORY & PRINTING CELL:-

Noida Centre does not have Photo Processing Laboratory or Printing Cell. However, Geo coded Imageries are printed with the help of Ripro MSP Scanner. Besides, technical reports are printing with the help of Work Centre KYOCERA Task alfa machine.

5. SOIL LABORATORY:

The Centre has well equipped with Soil Testing Laboratory for analysis of soil collected during the different field survey. Soil analysis provides essential data for soil and land characterization, classification and evaluation of its potentialities and limitation so that it could be utilized optimally and in a sustained manner. Physico-chemical analysis of soil samples and other fertility parameter analysis are done in the centre. The instruments available in the Soil Laboratory are as follows:

Sl.No.	Name of the Instrument	Quantity
1	pH meter digital	01
2	EC TDS Meter	01
3	Analytical Balance	01
4	Chemical Balance	01
5	Double Distillation Unit	01
6	Soxhelt Extraction Unit	01
7	Flame Photometer	01
8	Hot air oven	01
9	S.S. water steel	01
10	Mechanical Shaker	01
11	Double Beam Atomic Absorption Spectrophotometer	01
12	Nitrogen Distillation Unit	01
13	Pressure Plate Apparatus	01
14	Soil Hydrometer	01
15	LPG gas cylinders	01





Soxhelt Extraction Unit



Working Space for soil analysis



Atomic Absorption Spectrophotometer



Flame photometer

6. INFRASTRUCTURAL FACILITIES: CARTOGRAPHY GIS LAB

Sl. No.	Name of the Instruments	Purpose
1.	Optical Pantograph-01	This machine required for enlargement and reduction of various scales of maps for publication of reports.
2.	Lamination Machine-01	Preservation & Archival purpose for long lasting of different types of reference and thematic maps.
3.	Ammonia Machine-01	For printing of maps for publication of reports and day to day use in Carto.GIS Labs.
4.	Drafting Machine-01	For easily accessible and handling the free size maps

7. LIBRARY:

The Centre maintains a library containing selected reference books on soil science, soil survey, remote sensing and other allied disciplines. Copies of the Soil Survey Reports and Other Publications of SLUSI as well as those received from other central and state organizations are available in the library.

8. DOCUMENTATION AND USER SERVICES

The Centre publishes the results of various kinds of soil survey and special projects in the form of soil and land use survey reports and maps. Upto the year 2017-18 centre has published 273 Detailed Soil Survey, 7 reports of Land Degradation Mapping, 19 reports of Soil Resource Mapping, 106 reports of Rapid Reconnaissance Survey. The published reports of the Centre covers the area of Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand. Abstracts of these reports are

available on the website of SLUSI on free of cost. The centre has completed different consultancy project and special project:-

- Soil fertility mapping of Delhi using RS and GIS- Delhi Government
- Assessment of soil erosion risk in Siwalik hills in SAS Nagar, Roopnagar, Dasuya, Hoshiarpur, and Pathankot district of Punjab state.
- Soil Mapping of 4 districts, project received from Haryana State Remote Sensing Application Centre
- Soil Erosion Mapping in Sub-mountain Siwalik Hills of Punjab on 1:5,000 scale funded by 'Department of Forest & Wildlife Preservation, Government of Punjab'.

These reports are made available to the user agencies of states and central departments, agricultural universities/ institutions and related organizations for planning various developmental programmes on soil and water conservation, water management, farm level planning, land reclamation, etc.