AHMEDABAD CENTRE

Soil and Land Use Survey of India (SLUSI), Ahmedabad Centre is situated at Vasna, opposite Godavari flats, Ahmedabad – 380007, Ahmedabad centre having three storied building with central courtyard. Administrative section is located on the 2nd floor of the building & remote sensing and GIS laboratory, Establishment section, One ASSO room and technical staff also on the same floor. Similarly, Soil Testing laboratory & other ASSO room and Field Technical staff is located on the 1st floor.

Ahmedabad centre of the SLUSI is primarily engaged in conducting different types of Soil Survey work in the different intensities as per the guidelines and targets have been allotted by the SLUSI H.Q. The Soil Survey is based on the scientific criteria of soil mapping & soil classification in order to provide scientific database for development programmes encompassing soil & water conservation for land use planning, watershed development, crop management & scientific data use planning for boost up the farmer's income. The database generation of the centre is commensurate with requirement of soil & land use information for different land based development programmes. The centre is moderately equipped with general facilities of GIS and remote sensing lab, soil analysis and cartographic laboratories.

The soil survey officer has the support staff with two Asstt. Soil Survey Officers, two Filed Officers , eleven Asst. Field Officers , one TO, one JCO and two Draftsmans in respect of managing the different activities of the centre. The different types of soil survey work included, RRS on (1:50k scale), DSS conducted on (1:4k to 1:10k scale), SRM (1:50k scale), dist. based land degradation also conducted on 1:50k scale etc. In addition to development & generation of soil information system for the better use of water use efficiency for cropping system in the command area of the Sardar Sarovar and Narmada canal of the Gujarat state, which have been carry under PMKSY, RKVY and preparation of the soil health card of the aspirational villages of the Gujarat state. Similarly Ahmedabad centre has been assigned to prepare the fertility map of the Narmada and Dahod dist of the Gujarat presently. The centre also conducting every year three days training programme of the watershed development and about latest technology of the department takes place.

FRONT VIEW OF AHMEDABAD CENTRE

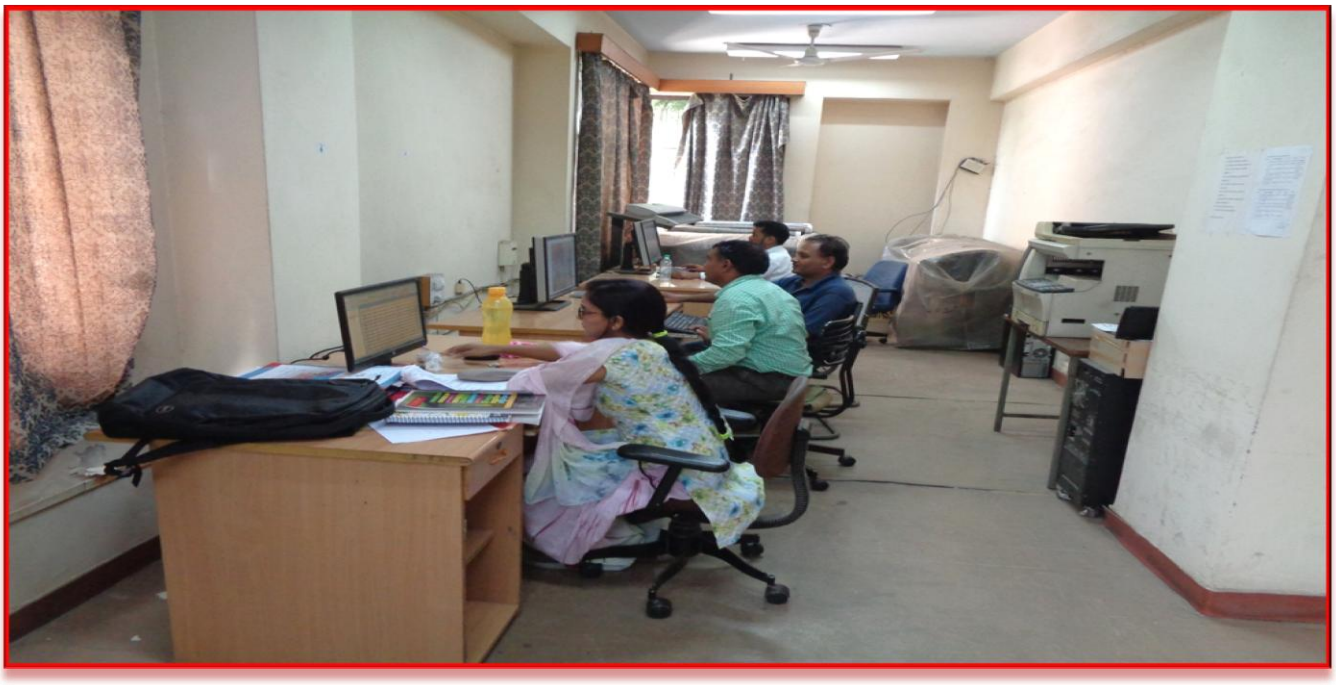
Infrastructural Facilities

1. COMPUTER LAB :

1.	**Hardware**		
A.	**Computers :**		**Quantity**
	i.	HP Workstation	***2***
	ii.	PC	***5***
	iii.	GPS	***4***
B.	**Scanner and Digitizer :**		
	i.	Repro MFP Colour Scanner	***1***
	ii.	Epson Scanner	***1***
C.	**Printers :**		
	i.	HP T1200 Designjet plotter	***1***
	ii.	Kyocera Kilburn 1620	***1***
	iii.	HP Colour LaserjetP1106	***4***
2.	**Software :**		
	i.	Arc GIS – 10.0	***1 License (GIS Software)***
	ii.	ERDAS Imagine – 9.3	***1 License (Digital Image Analysis Software)***
	iii.	MS office	***5 Nos.***
3.	**Internet and LAN :**		
	i.	BSNL Internet	
	ii.	All Workstation and PCs are connected through LAN	
4.	**Projector :**		-

2. REMOTE SENSING LAB :-

1.	Visual Interpretation :	a. Light tables for Image Interpretation b. Stereoscope for Aerial Photo interpretation.
2.	Digital Analysis / GIS	i. 2 HP Workstation ii. 1 Scanner (A0 size) iii. 1 HP Designjet Plotter (A0 size) iv. 1 Arc GIS Software v. 1 ERDAS Imagine Software for Digital Image Analysis.



REMOTE SENSING & DIGITAL CARTOGRAPHIC LAB

3. PHOTO PROCESSING LABORATORY & PRINTING CELL:-

There is as such no Photo Processing Laboratory or Printing Cell in this Centre. However, Geo coded Imageries are printed with the help of Repro MFP Plotter in A0 size.

4. SOIL LABORATORY:

This Centre is well equipped with Soil Laboratory for physical and physico- chemical analysis of soil samples. The instruments available in the Soil Laboratory are as follows:

Sl.No.	Name of the Instrument	Quantity
1.	Mechanical Shaker	**24**
2.	Oven (Electric)	**1**
3.	Centrifuge	**1**
4.	Gas Cylinder Oven	**-**
5.	Spectrophotometer	**-**
6.	Flame Photometer	**1**
7.	Conductivity Bridge	**1**
8.	pH meter	**1**
9.	Kjeldahl Distillation Plant	**1**
10.	Electrical Balance	**1**
11.	Chemical Balance	**2**
12.	Physical Balance	**-**
13.	Water bath	**1**
14.	Hot plate	**1**
15.	Pressure Plate Apparatus	**-**
16.	Mechanical Pipette	**-**
17.	Soil Hydrometer	**1**
18.	End to end vertical shaker	**1**

SOIL LABORATORY

5. INFRASTRUCTURALFACILITIES: CARTOGRAPHY LAB

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

6. 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.

7. 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. Development of soil information system for the better use of water use efficiency for cropping system in the command area of the Sardar Sarovar and Narmada canal of the Gujarat state, which have been carry under PMKSY, RKVY and preparation of the soil health card of the aspiration villages of the Gujarat state. Up to the year 2018-19, ***132*** reports have been published by this Centre, out of which there are ***71*** reports of Detailed Soil Survey, ***43*** reports of Rapid Reconnaissance soil survey and ***15*** reports of Soil Resource Mapping Survey and 3 reports of Land Degradation Mapping.

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