

Minutes

Mid-Term Technical Review Meeting of the Centres of SLUSI

October 24, 2016

SOIL & LAND USE SURVEY OF INDIA
Department of Agriculture, Cooperation and Farmers Welfare
Ministry of Agriculture and Farmers Welfare
I.A.R.I. Campus, New Delhi

Minutes of the Technical Review Meeting of all the Centres of SLUSI on 24th October, 2016

A Technical Review Meeting (TRM) of the Head of the Offices of SLUSI was held on **24th October, 2016** at HQ office of SLUSI under the chairmanship of Dr. V.S. Arya, Chief Soil Survey officer, Soil and Land Use survey of India, Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture, New Delhi to review the technical and administrative matters with special emphasis on reviewing the progress of achievements made so far in respect of Physical and Financial Targets allotted to different centres for the year 2016-17.

Dr. V.S. Arya, Chief Soil Survey Officer, welcomed all the participants. In his opening remarks, he emphasised that physical targets allotted to different centres must be achieved timely without any fail. He advised that SLUSI should generate precise data required for soil health management and should also improve the performances and delivery of output on time.

He suggested that the use of High Resolution Satellite Data (HRSD) for Detailed Soil Survey on 1:10,000 scale and other large scale soil activities, is the need of the hour. Soil is one of the major natural resources and no agricultural planning can be completed without soil data. So, it is the prime duty of SLUSI to provide accurate and timely information to the planners and users in the form of maps and reports.

Stating the need to bring consultancy projects from user departments, it was observed that centres are not putting their full efforts in this direction. He advised the centre heads to target the user departments, where soil data is being used for their planning and execution of activities. Also, he advised all SSO's to make presentation before the user authorities on how to make use of soil data developed by SLUSI for the development of sustainable land use plan and soil management. He assured the full help and cooperation to the centre heads in this direction.

The centre heads made their presentation of the achievements made so far in respect of physical targets allotted during the year 2016-17. The action plan for remaining part of the year 2016-17 was also discussed in detail and physical targets regarding soil survey, clearance of pending reports, development of seamless state-wise Micro-watershed Atlas and short duration course/training programs for user departments were also reviewed.

After an exhaustive discussion on technical and administrative issues, following action points were emerged in the meeting:

1. Achievements made by different centres up to 30.09.2016 against the physical targets allotted for the year 2016-17 was reviewed by the Chief Soil Survey officer. Soil survey officer Nagpur, Hyderabad centres requested for reappropriation of physical target of field work due to shortage of technical man power and for completion of pending survey reports. CSSO clearly told that the targets were finalized in consultation with concerned SSOs during Technical Meeting and cannot be changed at this stage. He directed the centre heads to personally verify the pre-field interpretation work, correlate the soil series details established in area of previous field work and decide the timeframe for completion of field work based on the homogeneity/ heterogeneity of the area and also fix the number or intensity of observation and monthly target for field work. He also advised that Head of the Offices must ensure regarding all the norms being followed

strictly in term of quality of field work, number of days of stay in the field, number of profiles studied etc. He advised HQ to keep a constant watch on the progress of Targets/Achievements allotted to different centres, to review the progress in this regard. *Chief Soil Survey officer specifically mentioned that the performance of the officers should be evaluated in respect to their achievements made against the physical targets allotted to their centres.*

(Action: HQ & Centres)

2. **The review of the onscreen pre and post field interpretation of high resolution data & Finalization of soil maps (onscreen) for all the centres was done and it was observed that all centres are following the recently adopted methodology of onscreen interpretation of satellite data for DSS database generation. It has resulted in considerable saving of time, manpower and cartographic stationary item as compared to that of conventional manual exercise. The Nagpur, Noida, Bengaluru and Kolkata centre has completed the post field interpretation in area surveyed during 2015-16 and post field interpretation for field work carried in 2016-17 (summer season) were on the verge of completion. The post field interpretation and map finalization in Ahmedabad, Hyderabad and Ranchi was found slow. CSSO has instructed all the centre heads to ensure that all the parties should complete their onscreen pre-field interpretation work before proceeding to field and also directed the SSOs, Ahmedabad, Hyderabad and Ranchi to complete the post field interpretation and map finalization of field work conducted during 2015-16, on priority basis.**

(Action: HQ & Centres)

3. *The achievements made by Hyderabad and Ranchi centres were not found satisfactory in field work and in clearance of pendency of reports.* Ranchi centre has achieved only 13% of the targets allotted under DSS and sent only three drafts for final editing & approval. Similarly, Hyderabad centre has achieved only 25% of the targets allotted under DSS and submitted only five draft reports out of 20 drafts reports assured to be cleared up to March 2017. SSO, Hyderabad was directed to complete task of MWS atlas of Odisha state by March, 2017. *The poor performance by these two centres was viewed seriously.*

(Action: HQ, Ranchi & Hyderabad)

4. As decided in last annual meeting to organise user's training by each centre to enhance the skilled technical man power and for updating of the knowledge of officers working in various user departments. All heads of offices instructed to communicate the schedule of training program in advance. In this regard, Ahmedabad, Ranchi and Nagpur have completed the training whereas Kolkata, Hyderabad and Noida have intimated about the training but no detail of Bengluru centre was available. CSSO stated that the training work should be taken as opportunity to highlight the SLUSIs work in soil survey and land use planning. Also stressed the need for better coordination with state deptts. and follow up should be maintained for better response from user agencies. Directions were given to all centre heads to organise at least one training every year.

(Action: HQ & Centres)

5. As decided in last annual meeting that **every centre shall publish at least two papers in national/international journal** focusing the departmental activity so as to take up activities of the organization on scientific platform and serve the country's scientific

needs. Only head quarter has published two scientific papers whereas the centres have not taken up the matter seriously, Expressing his unhappiness over the slow progress in the matter, CSSO has instructed all the centre heads to encourage their technical officials to write scientific article and also advised all centre heads that there is no need of approval from head quarter for publishing the paper, when it has already been approved in Technical Meeting of SLUSI. But full length paper should be sent to head quarter before submitting to journal/ national or international symposium/ conference for quality checking of the paper.

(Action: HQ & Centres)

6. As decided in last annual meeting, all centres should prepare their strategy to take up at least one project funded by user departments either for generation of database on soil & land uses or monitoring of state program on watershed. At present only Bengaluru centre has running project in consultancy mode and all other centres are trying to take up project in consultancy mode. CSSO has also commented that the centre should first identify the deptts. who are using soil and land use data in their work. Centre heads should visit the user departments and make them understand that how the data generated by SLUSI can be useful in their departmental activities.

(Action: All Centres)

7. As agreed in last annual meeting to prepare seamless mosaic of digital micro-watershed atlas (MWA) of country. The work of mosaicing were allotted to that **Bengaluru centre** with respect to state Andaman & Nicobar Islands, Andhra Pradesh, Goa, Karnataka, Kerala, Lakshadweep, Pondicherry, Telangana and Tamil Nadu. **Kolkata centre** - Arunachal Pradesh, Assam, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and West Bengal. **Nagpur centre** – Chhattisgarh, Dadar & Nagar Haveli, Daman & Diu, Gujarat, Madhya Pradesh and Maharashtra. **Noida centre** – Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan, Uttarakhand and Uttar Pradesh. It was also decided that during completion of MWA of Odisha, the mosaicing of area with respect to state Andhra Pradesh, Chhattisgarh, Jharkhand and West Bengal will be done by **Hyderabad**. **Even after completion of six months time, the achievement of Hyderabad centre was found to be poor and CSSO has instructed SSO, Hyderabad to take adequate steps to complete assigned work on time. He also instructed SSO, Bengaluru, Nagpur and Kolkata and Noida centre to complete task on time as agreed in the meeting. Similarly, the mosaicing of two states namely, Bihar and Jharkhand were allotted to Kolkata centre.**

(Action: HQ & Bengaluru, Kolkata, Nagpur, Noida centre)

8. **As decided in last annual meeting that cartography staff of all the centres should be deployed for scanning & digitization of old DSS/RRS maps.** For that a complete list of un-digitized reports is to be supplied to all centres by RSC Noida & centres have to count the number of maps to be digitized with their size (A3, A5, A0 etc.). Accordingly every centre will prepare the inventory of maps to be digitized for spatial database generation & also w.r.t. non spatial data. It was decided that guide to mapping units (Appendix-III) should be prepared in soft copy format probably excel sheets which will be attached to their respective maps.

Bengaluru, Kolkata, Nagpur and Noida centre has reported that the cartographic division have been deployed in work of digitization of old reports and completion of pending old reports whereas Ranchi and Ahmedabad has informed that preparation of inventory of old reports is undergoing. The progress of Hyderabad, Nagpur and Noida centre were found slow and CSSO has instructed all the centre heads to prepare action plan based on inventory to improve the efficiency & work output of cartographic division so as to achieve the target of digitization of all hard copy maps into digital format.

(Action: HQ & Ministry)

9. **In last annual meeting all centers were agreed to submit 144 drafts during the year 2016-17 but up to 21/10/2016 only 54 draft reports were received from all the centers. The progress to clear the pendency by all centres especially Ranchi, Bengaluru, Hyderabad centres was found poor and the centres were instructed to follow the action plan/strategy as submitted by them for clearing of pendency during 2016-17. All the Heads of the centres were directed to take up the pendency of reports on priority basis.**

(Action: HQ & Centres)

10. Regarding pendency of soil samples for analysis, CSSO has suggested for internal cooperation amongst all centres by sharing work load of centres having higher/large size of pending samples due to insufficient man power at their centre. Also instructed SSO, Ahmedabad to send 100 samples to Nagpur centre for analysis.

(Action: HQ & Ahmedabad, Nagpur)

11. As decided in last annual meeting that the monthly target for analysis of soil samples should not be less than 80-100 samples per month. If required, one AFO who is having experience in laboratory analysis can be engaged to completely exhaust the pendency in the same year itself. CSSO has pointed out that the performance of soil laboratory is unsatisfactory in Ranchi, Ahmedabad, Noida and Hyderabad centres who are reporting 41, 43, 55, 60 samples per month and discrepancy was observed in the pending and analysed soil sample data of Ranchi and Ahmedabad centres. He asked SSOs of these centres to ensure fair compilation of figures of soil laboratory in monthly progress reports and in agenda notes also to take adequate steps to improve the performance of soil laboratory.

(Action: HQ & Centres)

12. **As decided in last annual meeting that centres while submitting the details about strategy/action plan in the next meeting for completion of pending work, should clearly spell out the time and man power required at various stages viz. Map finalization/lab. Analysis, data entry, report drafting i.e. so as to effectively complete the task within stipulated time frame.** In this respect the work plan of cartography division were not prepared and it was instructed to all centre heads to prepare detailed work plan for cartography and soil laboratory section so that their performance can be monitored accordingly.

(Action: HQ & Centres)

13. With reference to the field party & vehicle position at different centres, it was observed that the vehicles in position at various centres are not at par with the number of field party. In this regards, it was decided that one vehicle of Kolkata centre deployed for field work at Ranchi centre shall be sent back to Kolkata centre and that issue of disparity of vehicle at centres will also be settled at times of posting of newly recruited AFOs.

(Action: HQ/Kolkata/Ranchi)

14. With respect to the pending audit paras withstanding at centres, CSSO has directed all heads of offices to take decision within frame work of financial rule in the same year to get it dropped and to ensure timely compliance of the paras raised in audit.

(Action: HQ & Centres)

15. With respect number of court cases pending and coming at various centres from the present or ex-staff/officials of the organization, CSSO has instructed the heads of offices to be more concerned with the legitimate rights and welfare of officials and try to sort out the matter through healthy discussion so as to provide healthy environment for work by the officials and officers as the part of one family.

(Action: HQ & Centres)

1. Review of the progress in respect of Physical and Financial Targets allocated for the year 2016-17

1.1. Physical Targets and Achievements for the year 2016-17

The centre wise Physical Targets and Achievements in respect of Detailed Soil Survey (DSS) and Soil Resource Mapping (SRM) are furnished below.

Progress on Different Types of Soil Survey

(Area in lakh ha)

S. No.	Centres	Type of Survey	Target	Achievement (up to Sept. 2016)	Remarks
1.	HQ	SRM	23.60	23.60	<i>Outsourcing of SRM</i> in respect of nine districts of Bihar as reported by <i>Odisha Space Application Centre (ORSAC), Bhubaneswar, Odisha.</i>
2.	Ahmedabad	DSS	1.50	0.49	Taluka Dharol and Kalwad (part), Dist- Jamnagar, Gujarat
3.	Bengaluru	DSS	1.50	0.64	Panner Catchment-Tamil Nadu and Karnataka state
		SRM	6.043	0.00	Alappuzha, Kasaragod and Pathanamthitta districts of KERALA under consultancy project of Kerala State Land Use Board (KSLUB)
4.	Hyderabad	DSS	1.30	0.33	4D6B7 watersheds of Nagarjunsagar Catchment, Rangareddy & Mehboobnagar District TS and Anantapur District, AP
5.	Kolkata	DSS	1.20	0.00	Manbazar Block – I, Purulia block-I & II, Para block, Raghunathpur Block - II Dist- Purulia (WB)
6.	Nagpur	DSS	1.50	0.53	Narmada Catchment (Madhya Pradesh) & Jayakwadi Catchment (Maharashtra)
7.	Noida	DSS	1.70	0.67	Moradabad (Uttar Pradesh), Ramganga Catchment
8.	Ranchi	DSS	1.30	0.174	Ranchi (part) & Khunti rainfed Districts of Jharkhand state
Total		DSS	10.00	2.834	
		SRM	29.643	23.60	

Note: 36.92 Lakh ha area mentioned in 2015-16 year physical target for outsourcing of SRM could not be allotted to DEERS, Srinagar due to non submission of reports of earlier allotted districts.

1.2 Financial Targets and Achievements for the year 2016-17 (Upto September, 2016)

The centre wise Financial Targets and Achievements are furnished below:

Centres	Budget Allotment/ (Sanctioned Budget) (Lakh Rs.)	Progressive Expenditure
Ahmedabad	213.30	125.85
Bengaluru	240.70	166.29
Hyderabad	207.20	110.30
Kolkata	239.70	170.60
Nagpur	242.20	149.68
Noida	241.10	162.03
Ranchi	206.70	104.06
Head Quarer	455.10	132.47
Total Budget Allocation	2046.00	1121.28

2. Review of the action taken on the Minutes of the Annual Meeting held on April 07-08, 2016 at HQrs, New Delhi

S. No.	Action Point	Action Taken
1.	Regarding achievement of physical targets allotted for the year 2016-17	<p>Ahmedabad :NA</p> <p>Bengluru : To carry Soil Resource Mapping in Alappuzha , Kasaragod and Pathanamthitta districts of KERALA under consultancy project of Kerala State Land Use Board (KSLUB).(Area-6.043 Lakh ha.)</p> <p>Hyderabad : NA</p> <p>Kolkata: All F.O, A.F.Os were heavily engaged in Assembly Election of West Bengal from Last week of March to 19th May, 2016 and because of this Soil Survey Parties couldn't move to field. 1.20 Lakh ha target will be achieved during Nov 2016 to Feb 2017.</p> <p>Nagpur: The target was increased to 1.5 lac considering new appointment of the A.F.O. This year with three parties only. 1.1 lakh ha can be achieved as per present strength of parties.</p> <p>Noida: Achieved up to 0.67 (lakh ha.) in respect of Detailed Soil Survey (DSS) during 2016-17 in Ramganga FPR Catchment, Rampur & Moradabad districts of U.P.</p> <p>Ranchi: Target will be achieved by March, 2017</p> <p>Head Quarter: completion of field work in Outsourced projects of Soil Resource mapping for nine districts of Bihar to Odisha Space Application Centre (ORSAC), Bhubaneswar (Area 23.60 lakh ha) completed as reported in April-2016</p>
2.	To enhance the skilled technical man power and for updating of the knowledge of officers working under user department, it was decided that every centre will organize at least one training program for officer/staff of user agency during the year 2016-17. All heads of offices instructed to communicate the schedule of training program along with budget requirement at least one month before the schedule date of training to head quarter. It was also instructed while intimating the details of training to user agency; centre should clearly specify on their brochures that "lodging & boarding will be provided by SLUSI".	<p>Ahmedabad: Short Course/Training program on "Soil & Land Resource Database for Integrated Watershed Management Planning" was organized during 19th to 21st, September, 2016 at Anand Agricultural University, Anand, Gujarat.</p> <p>Bengaluru: NA</p> <p>Hyderabad: Short Course training program to be organized in the month of November- December, 2016.</p> <p>Kolkata: Centre going to organize Short course Training program at Kohima (Nagaland) in the</p>

S. No.	Action Point	Action Taken
	(Action: all Centres)	<p>third week of January, 2017.</p> <p>Nagpur: The training organized during 19-21 Oct. 2016 at Nagpur centre.</p> <p>Noida: Tentatively fixed short course training program on “Soil & Land Resource Database for Integrated Watershed Management” during 24th to 26th October, 2016 at Chaudhary Charan Singh Haryana Agricultural University, Hisar, Haryana- 125004, but has been postponed.</p> <p>Ranchi: Training was organized during 17-19 Oct. 2016 at KVK Gamharia, District- Saraikela-Kharsawa, Jharkhand.</p>
3.	<p>To develop the scientific aptitude and scientific skill development among the technical man power of the organisation and also to promote the database generated by organisation on scientific platform the activity of scientific paper publication work needs to be encouraged in the organisation. Last year four number of scientific paper were published in reputed national scientific Journals. To increase the paper publication work it was decided that during this year i.e. 2016-17 every centre shall publish at least two papers in national/international journal focusing the departmental activity so as to take up activities of the organization on scientific platform, as the database generated by SLUSI also serve the country scientific need for preparation of land use plan before it is roll out in the form of scheme in any area.</p> <p>(Action: HQ & all Centres)</p>	<p>Ahmedabad: Writing of paper under progress for two papers namely on “ Characterization and management of soils of Anand District of Gujarat for sustainable agriculture development” and Land Resource Inventory for village level Land Use Planning”</p> <p>Bengaluru: not processed as yet</p> <p>Hyderabad: not processed as yet</p> <p>Kolkata: One paper titled “Dynamics of Shifting Cultivation in Kohima district of Nagaland using Remote Sensing Techniques will be sent to <i>J. Ind. Soc. of Soil Science</i></p> <p>Nagpur: At present the work of one paper is under progress</p> <p>Noida: Research paper on “Change analysis study using multi-temporal AWiFS data of Uttarakhand State” submitted to www.environmentaljournal.org on dated 07.09.2016. Another paper is in process.</p> <p>Ranchi: Not processed till date</p> <p>HQ: Two papers published in national /international journal, two papers under process of publication.(Journal of Indian Society of Soil & water conservation (Sept-2016) & in International Journal of Geomatics & Geosciences (shall be available on line from Nov-2016)</p>
4.	It was decided that all centres should prepare their strategy for proactively secure at least one	Ahmedabad: Requested for consultancy projects to PCCF, Forest deptt., Director of Agriculture & Director (GLDC), Govt. of Gujarat but could not

S. No.	Action Point	Action Taken
	<p>project either for generation of database on soil & land uses or monitoring of state program on watershed based agricultural developmental program. In this regard the needful communication & delivering of presentation about the importance of relevant data in planning & expertise of SLUSI in the developing of soil and land use database by following scientific techniques using Remote Sensing and GIS should also made to state govt implementing agencies in the states under the jurisdiction of each centre. The database of SLUSI will helps for maintaining soil health while increasing productivity/profitability of end user by way of implementing scientific sustainable land use plan.</p> <p style="text-align: center;">(Action: HQ & all Centres)</p>	<p>be materialized.</p> <p>Bengaluru: Kerala State Landuse Board-Under LRIS programme, district wise SRM going to be continued for the rest of the districts, NBSS & LUP Bengaluru- Old Surveyed area under DSS in Karnataka (Either in soft /hard copy of the reports along with maps demanded). Discussion in progress.</p> <p>Hyderabad: Requesting for consultancy projects to Commissioner Rural Development, Hyderabad and APSAC, Hyderabad</p> <p>Kolkata: The brochure on database for watershed development of Assam, Sikkim, Nagaland, Tripura, West Bengal and monitoring of shifting cultivation of North Tripura have been prepared and sent to the user agency and requested them for their response on the collaborative project work on the soil survey & development of digital soil database for integrated watershed management planning. But response is yet to come from the user agencies.</p> <p>Nagpur: One project of soil mapping on 1:10000 scale of Chhattisgarh state is in the pipeline and decision is to be taken by HQ.</p> <p>Noida: No progress till date.</p> <p>Ranchi: Director of Agriculture, Jharkhand State has assured to work/ collaboration with SLUSI in projects from FY 2017-18 onwards.</p> <p>HQ: Directions have been issued to all centres and followed up in this regard.</p>
5.	<p>The organisation has completed the digitisation of state-wise delineated & codified micro-watershed of whole country except Odisha state and to prepare seamless digital micro-watershed atlas (MWA) of country. It was decided that Bengaluru centre will carry out mosaicing of state/UT namely Andaman & Nicobar Islands, Andhra Pradesh, Goa, Karnataka, Kerala, Lakshadweep, Pondicherry, Talengana and Tamil Nadu. Kolkata</p>	<p>Bengaluru: Seamless mosaic is completed for Andhra Pradesh, Telangana , Kerala, Karnataka, Tamilnadu, & Goa state</p> <p>Hyderabad: MWA of Odisha- drainage map was scanned and registration done for 80 percent of the sheets up to April, 2016. But due to improper scanning same work had to be rescanned by the precise hands, hence 60% work is rescanned upto September, 2016. Digitization of drainage map is attended for 86+26 sheets till date. Delineation & codification done manually & remaining spatial</p>

S. No.	Action Point	Action Taken
	<p>centre - Arunachal Pradesh, Assam, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and West Bengal. Nagpur centre – Chhattisgarh, Dadar & Nagar Haveli, Daman & Diu, Gujarat, Madhya Pradesh and Maharashtra. Noida centre – Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan, Uttarakhand and Uttar Pradesh. It was also decided that during completion of MWA of Odisha, the mosaicing of area with Andhra Pradesh, Chhattisgarh, Jharkhand and West Bengal will be done by Hyderabad centre.</p> <p style="text-align: center;">(Action: HQ & Bengaluru, Hyderabad, Kolkata, Nagpur & Noida Centres)</p>	<p>data received from Ranchi & Kolkata centers, is in hard copy which is to be processed for digitization. Arc-GIS Software to be reinstalled/transferred</p> <p>Kolkata: Mosaicing is in progress- Edge matching (arc) of Tripura, Mizoram, and Nagaland & West Bengal with Assam is completed. Checking of labels is going on. Meghalaya and Arunachal Pradesh are in progress.</p> <p>Nagpur: The maps of watershed Atlas of Gujarat, M.P. is to be received from RS Centre and work will be initiated soon after receiving the work.</p> <p>Noida: Seamless mosaicing of digital microwatershed atlas (MWA) of State/UT namely Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan is in progress and remaining states of Uttar Pradesh and Uttarakhand will be carry out after completion.</p> <p>HQ: Directions have been issued to centres, in this regard and followed up regularly.</p>
6.	<p>As decided in last meeting to stop all manual operation in cartographic section and use the services of cartography section for conversion of hard copy maps and report in to digital format. It was decided that cartography staff of all the centres should be deployed to scanning & digitization of old DSS/RRS maps. For that the complete list of un-digitized report is to be supplied to all centres by RSC Noida & centres have to count the number of maps to be digitized with their size (A3, A5, A0 etc.). Accordingly every centre will prepare the inventory of maps to be digitized for spatial database generation & also w.r.t. non spatial data. It was decided that guide to mapping units (Appendix-III) should be prepared in soft copy format probably excel sheets which</p>	<p>Ahmedabad: Action has been taken up.</p> <p>Bengaluru: Following the instructions fully as mentioned in action point. All the recent pre field and post field interpretation and finalization work is done on GIS platform only.</p> <p>Hyderabad: Manual exercise for map preparation has been stopped and maps for new reports are being prepared onscreen only. Maps w.r.t old reports RRS, DSS are in the tracing sheets which has to be scanned & digitized.</p> <p>Kolkata: Digitization of Agri. 630, 631, 654, 1366, 1417 is in progress (Using QGIS software) and scanning of 276 sheets of old published DSS reports</p> <p>Nagpur: Instructions is being followed and cartographic staff is digitalizing the old report Map and so far 1 reports 10 sheets completed (Remarks – Geo-referencing is difficult as the old maps don't have coordinates).</p>

S. No.	Action Point	Action Taken
	<p>will be attached to their respective spatial or map data.</p> <p style="text-align: center;">(Action: HQ & all Centres)</p>	<p>Noida: Stopped all manual operation in cartographic section and use the services of cartography section for conversion of hard copy maps and report in to digital format.</p> <p>Ranchi: Being followed</p> <p>HQ: Regular instructions have been issued to all centres as well as the on screen training for the staffs of Cartography from all centres have also been trained, at RSC, Noida.</p>
7.	<p>It was decided in the meeting that to enhance the skills & expertise of Field officers and officials (FO/AFOs) in scientific database development via onscreen (pre-post field) data interpretation in GIS using high resolution satellite data, three days basic training for onscreen satellite data interpretation using GIS for development of scientific database on soil & land resources will be organized at Remote Sensing Cell, Noida in the month of July-August, 2016 all heads of offices were instructed to sent list probable participant in the centres to head quarter. Similarly, orientation training programme will be organized at Nagpur Centre during the month of Sept.-Oct. 2016 for the newly recruited AFOs immediately after their joining. This training programme will be of five days where in all basics of soil survey techniques for generation of soil & land database and how to use the database in preparation of land use plan will be explain to newly recruited AFOs and to give first-hand information about the activities of organization.</p> <p style="text-align: center;">(Action: HQ & Nagpur Centre)</p>	<p>Nagpur: Training will be organized after the appointment of AFO's as per the instruction of Head Quarters</p> <p>HQ: Three days basic training for “onscreen satellite data interpretation using GIS” for development of scientific database on soil & land resources during the period from 29th to 31st August, 2016 was organized at Remote Sensing Cell, Noida for field officials. No newly recruited AFO's have joined yet in the organization.</p>
8.	<p>During the last annual meeting the centre heads assured to be cleared 112 draft reports of different survey whereas only 50 drafts were approved during the year (2015-16). The progress to clear</p>	<p>Ahmedabad: Two DSS reports (Report No. Agri. 1531 & 1532) have been published in the months of April and August, 2016, respectively. One DSS report No. 1542 will be published in October, 2016. Out of fifteen pending, DSS</p>

S. No.	<i>Action Point</i>	<i>Action Taken</i>
	<p>the pendency by all centres especially Ranchi, Bengaluru, Hyderabad centres has been viewed seriously and the centres were instructed to follow the action plan/strategy that it has submitted for clearing of pendency in 2016-17. It is also observed by the HQ, that the follow up of officers with field official is poor, this affect performance of centre results in non fulfilling the target w.r.t. clearance of pending reports. Action needs to initiate against the officer/official who are not following the order. All the Heads of the centres directed to take up the pendency of reports on priority basis.</p> <p style="text-align: center;">(Action: HQ & Centres)</p>	<p>reports, one report have been submitted to HQ, 2 reports will be resubmitted to HQ up to October, 2016, 2 reports will be resubmitted in November, 2016 after incorporation of MWS boundaries. Two reports will be submitted in the month of Dec, 2016, one report will be submitted in Jan. 2017, three reports will be submitted in Feb. 2017 and one report will be submitted in March, 2016 for final approval.</p> <p>Bengaluru: Published 1 SRM report and 2 DSS reports during 2016-17. Further 1 SRM report and 2 DSS reports have been sent to HQ for approval.</p> <p>2 SRM reports and 3 DSS reports will be submitted by 15th November 2016 to the HQ.</p> <p>Hyderabad: total 5 No. of reports- SRM-2, DSS-1, and RSS-2 have been sent to HQ & out of that four no. reports SRM-1, DSS-1, RSS-2 have been issued.</p> <p>Kolkata: Advised is being followed and an action plan has been prepared to clear the pendency of reports as directed by CSSO, New Delhi. 17 reports have been processed of which 01 no RRS, 01 no DSS & 8 nos of SRM have been published up to September 2016. Brochure on database for watershed development Assam, Nagaland and Tripura have been prepared</p> <p>Nagpur: Only current year DSS reports are under progress. All old pending is cleared</p> <p>Noida: RRS :12 (4 nos. reports maps, draft under process and will be submit the draft report for approval to HQ within one or two month and remaining pendency to be complete upto Mar., 2017)</p> <p>DSS: 10 (All reports draft complete; 5 nos. reports draft ready for submission to HQ for approval but delay due to unavailable of Flame Photometer and remaining pendency to be complete after available of Flame Photometer)</p> <p>Ranchi: Being followed</p> <p>RR-01(draft manually completed and digitization of map under progress.</p>

S. No.	Action Point	Action Taken
		<p>DSS-2(draft manually completed, digitization of map under progress)</p> <p>DSS-4 drafts of current year survey (3 Onscreen digitization completed)</p> <p>SRM-9(2 draft approved, 2 submitted for approval).</p> <p>HQ: Time to time instructions in writing and over telephone too; have been issued to all the centres, to give more emphasis to clear up the pendency of reports by using available manpower in effective manner and to spare extra time beyond the office hours.</p>
9.	<p>To enhance the Digital Data generation at centres, it was decided to upgrade the GIS Lab established at centres by purchasing nine numbers of new Arc view (Arc GIS) licenses. These licenses shall be distributed one each at Bengaluru, Kolkata & Nagpur centres and two each at Ahmedabad, Hyderabad, and Ranchi centres for carrying out on screen cartographic work, soil mapping work, map composition and the generation of Digital Soil Database etc.</p> <p style="text-align: center;">(Action: HQ& Centres)</p>	<p>Ahmedabad: One additional Arc GIS License is required.</p> <p>Bengaluru: Yet to receive from HQ.</p> <p>Hyderabad: One ArcGIS license to be reinstalled as it is crashed; 2 more licenses required to speed up the work as the staff are now trained by HQ for onscreen interpretation. As per the HQ advice QGIS software is being used but the progress is slow due to not having proper knowledge of working with QGIS</p> <p>Kolkata: New Arc view (Arc GIS) license has yet to come which is urgently needed for generation of spatial data. Arc GIS desktop is not working properly. AMC is required for 3 Arc GIS and one ERDAS Imagine license for smooth running of this software. Original Microsoft Office Software is needed for Report processing work.</p> <p>Nagpur: License not yet received. However the work is under progress in using QGIS</p> <p>Noida:</p> <p>Ranchi: Yet to be upgraded by new Arc view (Arc GIS) licenses.</p> <p>HQ: The issue has been discussed with the Ministry and preparing for appropriate action shortly.</p>
10.	<p>In review of pendency of soil sample for analysis and reports, CSSO has suggested for internal cooperation amongst all centres for clearing pendency of soil samples & pending survey reports</p>	<p>Ahmedabad: Out of total 1536 samples, 260 samples were analyzed</p> <p>Bengaluru: Received 105 samples from Hyderabad centre</p> <p>Hyderabad: 141 soil samples sent to Nagpur</p>

S. No.	Action Point	Action Taken
	<p>by sharing work load of centre having higher/large size of pending of report/sample for laboratory analysis due to non-availability of man power at centre. It was decided that Hyderabad centre which is having 1359 pending soil samples should share 150 each to Nagpur & Noida and 100 samples to Bengaluru centre. Similar instruction was also issued to Ahmedabad to clear the pendency of soil samples.</p> <p style="text-align: center;">(Action: all centres)</p>	<p>centre, 150 to Noida centre & 105 to Bangalore centre.</p> <p>Nagpur: 172 Soil sample of Ahmedabad centre and 141 Soil samples of Hyderabad centre analysed by Nagpur Centre. Besides analysing the sample of Centre.</p> <p>Noida: Carrying out analysis of 150 soil samples received from Hyderabad and the samples pending at the centre will be analyzed.</p> <p>Kolkata: Advised is being followed and an action plan has been prepared to clear the pendency of soil samples as directed by CSSO, New Delhi</p> <p>Ranchi: Being followed</p>
11.	<p>It was observed that centres are not following submitted action plan for clearance of pendency of reports/draft of soil survey & soil samples analysis work in soil laboratory. It was decided that centre while submitting the details about strategy/action plan in the next meeting for completion of pending work, should clearly spell out the time and man power required at various stages viz. Map finalization/lab. Analysis, data entry, report drafting i.e. so as to effectively complete the task within agreed time frame.</p> <p style="text-align: center;">(Action: all Centres)</p>	<p>Nagpur: The reports will be submitted to HQ within given time frame.</p> <p>Bengaluru: 2 SRM reports and 3 DSS reports will be submitted by 15th November 2016 to the HQ.</p> <p>Ahmedabad: Instructions have been given to all concerned staff for the clearance of pendency of reports.</p> <p>Kolkata: Action has already been taken.</p> <p>Noida: RRS :12 (4 nos. reports maps, draft under process and will be submit the draft report for approval to HQ.within one or two month and remaining pendency to be complete upto Mar., 2017)</p> <p>DSS:10 (All reports draft completed; 5 nos. reports draft ready for submission to HQ for approval but delay due to unavailable of Flame Photometer and remaining pendency to be complete after available of Flame Photometer)</p> <p>Soil Sample Analysis: 661 nos (including 150 nos. soil samples of Hyderabad Centre) samples collected, 331 nos. samples analyzed and remaining soil samples of 330 nos. will be analyzed within six months including exchangeable Na & K analysis of pending reports after Flame Photometer available.</p> <p>Ranchi: Presently only one ATO is working in soil lab.</p>

S. No.	Action Point	Action Taken
12.	<p>Taking into account the physical pendency of soil samples at various centres and shortage of laboratory staff and the urgency to complete soil analysis to expedite report drafting work. It was decided that the monthly target for analysis of soil samples should not be less than 80-100 samples per month. If required by engaging one AFO official who is having experience in laboratory analysis work to completely exhaust the pendency in the same year itself.</p> <p style="text-align: center;">(Action: all Centres)</p>	<p>Ahmedabad: 43 No. of samples per month were analysed during the period Bengaluru: 86 No. of samples per month were analysed during the period Hyderabad: 60 No. of samples per month were analysed during the period Kolkata: 92 No. of samples per month were analysed during the period Nagpur: 56 No. of samples per month were analysed during the period Noida: 55 No. of samples per month were analysed during the period Ranchi: 41 No. of samples per month were analysed during the period</p>
13.	<p>Regarding one stolen vehicle of Noida Centre, it was instructed that centre should make regular follow up action for search of vehicle with state government authorities by postal/personnel communication so as to ascertain the status of search for vehicle under intimation to HQ office.</p> <p style="text-align: center;">(Action: Noida Centres)</p>	<p>Noida: Being followed</p>
14.	<p>The audit paras have been found in various matters at centres & HQ office. It was advised that centre head should pay proper attention to ensure that the matters should not be repeated in procedure during current financial year to avoid the possible audit paras. It was also decided that the audit paras may be dropped, subject to the next audit inspection in respective offices. This too needs the attention of office heads to get it clear.</p> <p style="text-align: center;">(Action: HQ & All Centres)</p>	<p>Ahmedabad: Almost all the previous audit paras have been cleared. Bengaluru: Reply of audit Para have already been submitted to the respective audit departments. Hyderabad: Audit reports have been received, reply of the same is under process. Kolkata: Action has already been taken. Para2, 5, 6, 7, 9, 10 and 12 of internal audit have has been dropped subject to verification of next audit. Para3, 4 and 5 of external audit have been settled. Nagpur: Most of the Audit para's are dropped and others are in the process. Noida: Reply for the last internal audit report is being prepared. Ranchi: Being followed HQ: Instructions have been issued and follow up has been maintained.</p>

3. Review of the pending soil survey reports, draft reports submitted to HQ for approval and reports issued during the year.

3.1 Review of Pending Soil Survey Reports & Reports issued:

Centre	RRS		DSS		SRM		Total pending as on 01.04.16	Reports Issued as on 21.10.16	Reports Pending as on 21.10.16
	Reports Pending as on 01.04.16	Reports Issued as on 21.10.16	Reports Pending as on 01.04.16	Reports Issued as on 21.10.16	Reports Pending as on 01.04.16	Reports Issued as on 21.10.16			
RSC (HQ)	-	-	-	-	13	3	13	4	9
Ahmedabad	1	-	19	2	32	1	52	3	49
Bengaluru	-	-	12	3	5	1	17	4	13
Hyderabad	5	2	13	1	6	1	24	4	20
Kolkata	15	-	4	1	45	6	64	7	57
Nagpur	1	-	6	5	1	1	8	6	2
Noida	14	-	14	2	-	-	28	2	26
Ranchi	2	-	8	1	10	-	20	1	19
Total	38	2	76	15	112	13	226	31	195

3.2 Draft report submitted to HQ for approval during the year 2016-17 (upto 21.10.2016)

Centre	RRS			DSS			SRM			Total pending as on 01.04.16	Total assured to be cleared up to March, 17	Total Draft received up to 21.10.16
	Reports Pending as on 01.04.16	Assured to be cleared upto March, 17	Draft received up to 21.10.16	Reports Pending as on 01.04.16	Assured to be cleared upto March, 17	Draft received up to 21.10.16	Reports Pending as on 01.04.16	Assured to be cleared upto March, 17	Draft received up to 21.10.16			
RSC, Noida	-	-	-	-	-	-	13	10	7	13	10	7
Ahmedabad	1#	1	-	19	10+2*	2	32	12	5	52	25	7
Bengaluru	-	-	-	12	8+2*	4	5	3+2*	1	17	15	5
Hyderabad	5	5	2	13	6+3*	1	6	6	2	24	20	5
Kolkata	15	5	2	4	3*	-	45	22	14	64	30	16
Nagpur	1	1	-	6	4*	1*	1	1	1	8	6	2
Noida	14	14	3	14	5+4*	5	-	-	-	28	23	8
Ranchi	2	1	-	8	2+4*	-	10	9	3	20	16	3
Total	38	27	7	76	31+22*	12+1*	112	63+2*	33	226	145	53

*Draft reports of area surveyed during 2015-16.

#Report is to be taken up by Sr.S.S.O., Noida- He has to develop RRS from SRM

3.3 Status of Draft report edited at HQ during Year 2016-17 (upto 21.10.2016):

Centre	RRS		DSS		SRM		Total Report edited	Number Allotted	Draft report at HQ as on 21.10.16
	Edited	Number Allotted	Edited	Number Allotted	Edited	Number Allotted			
RSC (HQ)	-	-	-	-	5	5	5	2+3*	5
Ahmedabad	-	-	1	1	2	2	3	3	4
Bengaluru	-	-	3	3	1	1	4	4	1
Hyderabad	2	2	1	1	1	1	4	4	1
Kolkata	2	2	-	-	10	10	12	11+1*	5
Nagpur	-	-	1	1	1	1	2	2	0
Noida	1	1	5	5	-	-	6	5+1*	3
Ranchi	-	-	-	-	2	2	2	1+1*	2
Total	5	5	11	11	22	22	38	32+6*	22

*Draft reports received during 2015-16

4. Review of status of soil samples analysis & pendency of soil samples with reasons (As per MPR)

S. No.	Centre	No. of Soil samples collected and analyzed of different survey			
		Pending as on 01.04.2016	Collected	Analyzed up to 01.10.16	Pending as on 01.10.16
1.	Ahmedabad	352	180	220	312
2.	Bengaluru	522	231	513	240
3.	Hyderabad	433*	777	358	456
4.	Kolkata	2147**	115	550	1322
5.	Nagpur	419	264	336	347
6.	Noida	120	541	331	330
7.	Ranchi	1112	-	247	865
Total		4319	2108	2555	3872

*Out of 1367 soil samples, 141 processed soil samples sent to Nagpur centre, 150 to Noida centre & 105 to Bengaluru centre.

**Out of 2147 soil samples, 390 soil samples have been omitted during correlation of soil series.

5. Action taken for bringing new projects from other departments/ agencies, as directed by HQs

Centers	Projects
Ahmedabad	Requested for consultancy projects to PCCF , Forest Dept., Dir. of Agri., and Dir. (GLDC), Govt. of Gujarat
Bengaluru	Kerala State Landuse Board- Under LRIS programme, district wise SRM going to be continued for the rest of the districts. NIT Kozhikode- Data of 5A2B subcatchment of Bharathapuzha Basin is needed. The required funds will be sent to headquarters at the earliest. NBSS & LUP Bengaluru- Old Surveyed area under DSS in Karnataka (Either in soft /hard copy of the reports along with maps demanded). Discussion in progress.
Hyderabad	Requested for consultancy projects to the Commissioner, Rural Development , Hyderabad and APSAC , Hyderabad
Kolkata	Request sent for the collaborative project work. Waiting for the response from the user agency.
Nagpur	One project is in the pipeline, waiting for HQ's decision.
Noida	-
Ranchi	Assurance from Dir. of Agri., Jharkhand for collaboration with SLUSI

6 & 7. Status of onscreen digitization, field sheets wise & Finalization of soil maps (onscreen), field sheets wise

Centres	Onscreen digitization, field sheets wise	Finalization of soil maps (onscreen), field sheets wise
Ahmedabad	22 topo quadrants digitized	15 sheets completed
Bengaluru	Onscreen digitization and finalization of soil map, 28 sheets completed	
Hyderabad	32 sheets	3 sheets
Kolkata	Coming field season, 46 sheets completed	25 sheets completed
Nagpur	Maps of 20 DSS reports of Hirakud MahaNadi Catchment scanned and digitization of 1 report completed	
Noida	-	306 sheets
Ranchi	-	-

8. Monthly Progress Report (MPR) of GIS lab in detail

Centres	Map Scanning	Digital Spatial Database creation	Map Composition	Printing of Imageries	Non spatial Database
Ahmedabad	NA	22 toposheets SRM 33 topoquadrant DSS	NA	NA	NA
Bengaluru	39	37 sheets DSS	290	24	NA
Hyderabad	605	6		NA	NA
Kolkata	375	NA	18	NA	NA
Nagpur	84	117	49	19	5
Noida	NA	11 reports DSS 3 reports RRS 3 reports RRS under progress		NA	14 reports
Ranchi	NA	14		NA	NA

9.1 Review of the progress for the preparation of State wise Microwatershed Atlas and their mosaicing to prepare seamless map of the country

Centers	State wise microwatersheds (Preparation and Mosaicing)
Bengaluru	Completed
Hyderabad	MWA of Odisha- drainage map was scanned and registered (80 % sheets upto April, 2016). But due to improper scanning work was done again (60% work is rescanned upto September, 2016). Digitization of drainage map is attended for 86+26 sheets till date. Delineation & codification done manually & remaining spatial data (Hard copy) received from Ranchi & Kolkata centers, is in hard copy which is to be processed for digitization.
Kolkata	a) State wise Micro watershed Atlas has already been completed. b) Arc editing and label checking is in progress. Edge matching (arc) of Tripura, Mizoram, and Nagaland & West Bengal with Assam is completed. Checking of labels is going on. Meghalaya and Arunachal Pradesh are in progress.
Nagpur	The maps of watershed Atlas of Gujarat, M.P. is to be received from RS Centre and work will be initiated soon after receiving the work.
Noida	Seamless mosaicing of digital microwatershed atlas (MWA) of State/UT namely Chandigarh, Delhi, Haryana, Himachal Pradesh, Jammu & Kashmir, Punjab, Rajasthan is in progress and remaining states of Uttar Pradesh and Uttarakhand will be carried out after completion.

9.2 Remote Sensing Cell, Noida

Targets	Achievement
Revised Micro Watershed Atlas of Utrkhand	Digitization of drainage has been completed for all available toposheets
Quality Checking of Micro Watershed Atlas of Uttar Pradesh	Out of 53 sub catchments, 50 has been checked & rectified.
Preparation of DSS Status Map	Out of 1050 DSS reports, 1020 reports has been completed, the remaining 30 reports information not available with HQ/Centres
Platform Free Micro-watershed Atlas	1) Himachal Pradesh State is under process since May, 2016. So far 48% has been completed. 2) Micro watershed Atlas of Jharkhand State will initiate in the Month of February'2016
Annual Report 2014-15	Finalized and print copy provided.
SRM Reports	Published Soil Resource Mapping (SRM) reports of

	Almora, Bageshwar Chamoli & Rudraprayag districts of Uttarakhand.
Website of SLUSI	<ul style="list-style-type: none"> • A “Model Builder” has been prepared for clipping/separate into Districts, Tehsils & villages according to watershed/sub watershed and micro watershed using Data driven pages of ARCGIS 10.3 and Python script. • Quantum GIS used for creation of HTML pages and PNG files using HMTL Image mapper technique/tool for platform free micro-watersheds • Security audit of the website of SLUSI has been completed. • Upload of vacancies, RTI, Minutes and Annual Meetings • Summary of Survey Information (RRS/DSS/SRM) is updated and uploaded on the website & Scan and uploaded report abstracts of RRS,DSS and SRM
Training on “Onscreen Satellite data interpretation using GIS”	Training on “Onscreen Satellite data interpretation using GIS” during the period from 29 th to 31 st August, 2016 was organized at RSC, Noida for AFO/FO of SLUSI.

10. Action plan generated by the centres to clear up the pendency of reports/ MWA

Detailed action plan as submitted by the centres appended in Annexure I

11. Review of the staff position, field parties and the vehicles

S. No.	Centres	Field Party Position			Vehicle Position				No. of Drivers	
		Sanctioned (FO & AFO)	In Position (FO & AFO)	Effective for Field Work	Total	Fit for Work	Condemned & Disposed-off	To be Condemned	Sanctioned	In Position
1.	HQ	7	1	-	4	4	-	-	4	4
2.	Ahmedabad	19	8	4	7	5	-	2	7	6
3.	Bengaluru	22	10	8	8	7	-	1	9	5
4.	Hyderabad	18	9	4	6	5	-	1	6	3
5.	Kolkata	22	11	5	9	9	-	-	9	9
6.	Nagpur	22	9	3	7+1*	7	-	1	12	6
7.	Noida	22	11	5	NA	3	-	-	9	3+1**
8.	Ranchi	18	7	4	8	5	-	2 + 1 [#]	5	4
Total		150	66						61	40 + 1*

* One Bus

** One driver under suspension

One vehicle out of order

12. Publications:

12.1 No. of Reports Published

Centres	Reports published
Head Quarter	4
Ahmedabad	3
Bengaluru	4
Hyderabad	4
Kolkata	7
Nagpur	6
Noida	2
Ranchi	1

12.2 Papers published in journals/ proceeding

Centres	Papers published
RSC, Noida	2
Head Quarter	1+1*
Ahmedabad	-
Bengaluru	-
Hyderabad	-
Kolkata	-
Nagpur	-
Noida	-
Ranchi	-

* To be published in Nov-2016 in International Journal of Geomatics and Geosciences

13. Review of the pending Audit Paras, Court/ CAT/ RTI cases and other administrative matters

13.1 Audit Paras

<u>Centers</u>	<u>Audit Paras</u>
Ahmedabad	Internal Audit Para:- All the previous Audit paras have been cleared and no communication regarding audit has been received so far.
Bengaluru	Internal Audit (upto 30/09/16):- 4 old paras are pending & the action is being taken for the same. The audit taken up during 2016 by Internal Wing-Cochin report is yet to be received. However old paras have been dropped by the audit. Para No. 1:- Revenues realised not routed and accounted through PAO, Agriculture, Chennai- Outstanding Internal Audit has recommended that revenue earned by the CDDO which under the jurisdiction of the PAO, Chennai needs to be remitted at the accredited branch and accounting adjustments to be done by PAO (Agri), Chennai. Para No. 5:- Disposal of Trailer MYB-4459 has no RC Book- Outstanding Action is being taken. Para No. 10:- Verification of qualifying service after completion of 25 years of service or is within 5 years of retirement- Outstanding & Revised Action is being taken to send the Service Books for verification to PAO. Para No. 15:- Disposable or unserviceable articles- Outstanding & Revised Pending at Head Quarters for necessary approval for the disposable. However submitted

	<p>in Form No.17</p> <p>Compliance Audit (upto 31/09/16):- 4 paras are pending and the action is being taken.</p> <p>Para No. 1:- Excess payment of electricity charges during the years 2013-15- Necessary action is being taken corresponding with BESCO authorities for needful.</p> <p>Para No. 2:- Soil Survey / Lab Reports- Draft reports submitted and under finalization</p> <p>Para No. 3:- Avoidable expenditure on maintenance and repairs- i) The necessary Ex-post facto sanction for POL is yet to be received from Head Quarters. ii) Action has already been taken to condemn the Vehicle No.KA-04-P-1041 by corresponding to RTO authorities and inspection has also been done. Hence, the proposal will be sent to Head Quarters for necessary sanction to condemn the same at the earliest.</p> <p>Para No. 4:- Idle Vehicles- Recruitment process is being done for the filling up of 4 posts of Jeep Driver Gr-I & II. Hence the vehicles will be put into use by the services of newly appointed Jeep Drivers.</p>
<p>Hyderabad</p>	<p>Internal Audit :</p> <p>Finding - 01: Objectives not achieved by SLUSI – Hyderabad – Needs justification. Development of Watershed atlas, Testing of Soil and its analysis, Cartography Laboratory, Remote Sensing and GIS and pending of Soil Survey Reports. Action taken: Necessary action is being taken up.</p> <p>Finding – 02: Rainfed Area Development Programme (RADP) – Target fixed not achieved so far. – RAPD implementation of guidelines issued by the Ministry vide Lr. No.PC/SLUSI/2014/1143/7/, dated 31.03.2014. Action taken: RADP guidelines being followed.</p> <p>Finding - 03: Non Disposal of unserviceable/obsolete articles. Action taken: The matter is under process.</p> <p>Finding – 04: Official resigned from Government service can encash half of Earned leave at c Credit, Sh.Shyam Manohar Nirmal, MTS. Action taken: No reply has been received from Sh.S.M.Nirmal, MTS despite two letters vide Letter No. 1-28/2012-AISH/1065/2, dated 06.06.2016 and the subsequent letter Letter No. 1-28/2012-AISH/1302/2, dated 08.07.2016 till date. Further, Reminder will be sent.</p> <p>Finding -05: Review of Log Book –Veh.No.WB20 9754 not working since July, 2013. Urgent action to be taken to avoid further damage to the vehicle. Action taken: The matter is under process as the concerned official was issued instructions Under intimation to CSSO, ND.</p> <p>Finding- 06: Imposing service charges by SBI, Bible House Branch, Secunderabad for Government ordinary transactions in violation of Agreement between RBI and G.O.I. Action taken: The matter has already been taken up with SBI and the RTGS charges levied have been reversed and credited to Govt. Account and the matter has been intimated to I.A.</p> <p>Finding -07: Splitting up of expenditure to avoid sanction of Higher authorities in r/o Kendriya Bhandar Bills and to obtain ex-post facto sanction. Action taken: The dealing hand has been issued a letter to initiate the action and noted for future guidance. The bills will be sent again to HQ for ex-post facto sanction.</p> <p>Finding – 08: NPS contribution for the month of April, 2014 has not been successfully credited In Tier I account. Action taken: Copy of the relevant bank scroll is enclosed and intimated to I.A.</p> <p>Finding – 09: Discrepancies noticed in Form 16 issued by SLUSI, Hyderabad m to ascertain I.T. payable by staff. Action taken: Dues already credited under Rule 87A into respective accounts as informed by Staff.</p> <p>Finding -10: Missing/Non-traceable of staff – delay in releasing benefits to the legal heirs of Missing employee (Sh.N.Subrahmanyam). Action taken: All possible efforts have been made to trace his legal heirs as per his service book but in vain.</p> <p>Finding – 11: Short payment of Family planning allowance from 01.09.2008. Action taken: Action will be taken in due course to settle the matter.</p>

Finding. 12: Construction of office building with Lab for SLUSI, Hyderabad. Non submission of Final expenditure statement, Inventory statement and completion certificate.

Action taken: Taken up the matter with CPWD authorities to expedite the above matter immediately telephonically.

Finding 13: Maintenance of Service books.

Action taken: Steps are being taken to attend the shortcomings.

Finding -14: Incorrect pay fixed while granting 3rd MACP w.e.f.24.122012 in r/o Sh KMK Murthy, AFO.

Action taken: Steps are being taken to rectify the pay fixation and short payment of Pay & allowances will be made to the official.

Finding -15: Incorrect increment granted on 01.07.2011 to Sh.N.Mallaiah.

Action taken: Steps are being taken to rectify the pay fixation and recovery will be made.

Finding – 16. In correct Payment of arrears to grant of ACP/MACP to Sh KMK Murthy, Sh.N.Mallaiah and Sh.S.T.Selukar,AFO.

Action taken: They have submitted representations to exempt them to refund the excess arrears along with Government Orders and forwarded to Sr.Accounts|Officer, Internal Audit, Cochin for necessary action on 27.06.2016 but the reply is awaited.

A.G.Audit

Para 1: Irregular drawal of self cheques Rs.41, 60,082/- from 02/2013 to 09/2015.

Action: Other than salaries, cash has been drawn on self cheques and disbursed to the Staff for making payment. After audit objection, except for petty expenses such as Imprest, detailed contingent bills and wages, all the transactions are being made through cheque only as per the compliance of **audit**.

Para 2: Non monitoring of the implementation of Contract entered in to with Man power supply agency.

Action: M/s Anu Enterprises, |Hyderabad has since submitted the latest statement of payments of wages/provision of ESI/EPF benefits. In the third point of the para, the audit has winded up their work on 09.10.2015 itself (Audit period 05-09/10/2015) and noted that the security personnel were not on duty from 10-12/10/2015).

Para 3: Irregularities noticed in payment of Bills Rs.96,426/- Field advances were drawn and disbursed and the final settlement of claims were Settled and the corresponding bill no/date are entered in the advance register

Action: The same was confused by audit officer. It is to inform that all the outstanding Advances were adjusted by the time of audit period.

Para 4: Irregular payment of LTC on waiting list tickets Rs.30,134 –

Sh. P.N.Bhojar,(Steno Gr.I) and Sh.Y.Hanumantha Rao, Driver – both retired.

Action: Action has already been taken and recovered the amount and remitted to Govt. Account in May, 2016.

Para 5 : Irregular sanction of Wages over and above the Financial powers – Rs.9,730/- Due to shortage of funds under wages head, Sh.N.Mallaiah, AFO, while in submitted the bills for Rs. 14,730/- as against the advance of Rs.5,000/- and hence the amount is paid and needs to be ratified by the competent authority.

Para 6: Avoidable expenditure on purchase of pressure cookers – Rs. 3,765/-

Action: Pressure cookers were purchased in December 2013 for field work and they were on Stock. Regarding purchase of kerosene was allowed for field purpose as per the list of articles to be issued. However, the field party leaders have submitted the representations substantiating the reasons for claiming the kerosene charges. Hence, it needs clarification from HQ.

Para 7: Omissions in “Service Books.

Action: Action will be taken up for rectification of shortcomings.

Para 8: Vehicles kept idle.

Action: There are six jeeps as against 03 drivers on rolls. The other 03 vehicles are being Utilized by sparing the drivers from other centres and even by one MTS who is having heavy vehicle licence for field/Head quarter work.

Para 9: Un serviceable articles/plant and machinery lying idle Rs.1,40,587/-

	Action will be taken up with higher authorities.
Kolkata	<p>Internal Audit from 01.04.2013 to 31.03.2015</p> <p>Para No. 1:- Infructuous expenditure of Rs.12.96 Lakhs regarding pending of Soil analysis- Para Stand</p> <p>Para No. 2:- Avoidable expenditure on maintenance of Vehicles- Para dropped subject to verification of next audit.</p> <p>Para No. 3:- Irregularities in computation of Income Tax for the assessment year 2014-15 and 2015-16- Para Stand</p> <p>Para No. 4:- Absence of Re-survey in soil erosion cases- Para Stand</p> <p>Para No. 5:- Rule 187(3) of GFR regarding maintenance of stock register and Rule-192(1,2,3) of GFR regarding physical verification of stores in stock- Para dropped subject to verification of next audit.</p> <p>Para No. 6:- General Observations on Soil Laboratory & non-maintenance of log books for laboratory equipment.- Para dropped subject to verification of next audit.</p> <p>Para No. 7:- Failure in expediting finalization of reports- Para dropped subject to verification of next audit.</p> <p>Para No. 8:- Short recovery towards Income tax for the Assessment Year 2014-15 & 2015-16- Para Stand</p> <p>Para No. 9:- Mismatch in salary component shown in Form-16 with pay bill register- Para dropped subject to verification of next audit.</p> <p>Para No. 10:- Maintenance of Service books- Para dropped subject to verification of next audit.</p> <p>Para No. 11:- Rule 196 of GFR regarding disposal of obsolete items- Para Stand</p> <p>Para No. 12:- Unrealistic demand for budget- Para dropped subject to verification of next audit.</p> <p>Para No. 13:- Non-realization of valuables remitted into bank- Para Stand</p> <p>Status report of external audit for the period from 01.12.2012 to 31.03.2015</p> <p>Para No. 1.1:- Non-disposal of unserviceable/obsolete items- Para Stand</p> <p>Para No. 1.2:- Non-maintenance of log book of scientific equipments- Para Stand</p> <p>Para No. 3.1:- Avoidable expenditure of electricity bills- Para settled</p> <p>Para No. 9.1:- Target and achievement- a brief review- Para settled</p> <p>Para No. (TAN) 1:- Irregularities in TA advance & adjustment- Para settled</p>
Nagpur	NIL
Noida	Reply for the last internal audit report is being prepared and send to Audit office.
Ranchi	<p>Pending Audit Paras – Year of inspection 2011-2013-Replied to External Audit, but the report is still awaited.</p> <p>Court/CAT/RTI – court case No.W.P.(S)2010/WP(S)455/2010 Shri Vikash Kumar Tirkey S/o Late Devi Lal, Ex-Khalasi Vs Union of India Court case in the high court of Jharkhand at Ranchi regarding his appointment on compassionate ground is not listed (pending).</p>

13.2 Court/ CAT Cases/ RTI Cases

Centres	Cases
Ahmedabad	<ul style="list-style-type: none"> Dr. Shekhar Sarbhai (Technical Officer) Vs Union of India and Others – O.A./120/00380/2014, for promotion to the post of Asstt. Soil Chemist-regarding. Counter reply has been filed by Shri Joy Mathew, Central Government standing Counsel on 22.12.2014. Subsequently, a rejoinder was submitted by Dr. Shekhar Sarbhai through Shri B. A. Vaishnav, advocate for the applicant on 05.02.2015. Sur-rejoinder has been handed over to Ms. Falguni D. Patel, Central Government standing Counsel on 16.06.2015. The next date for hearing is uncertain.
Bengaluru	<ul style="list-style-type: none"> Case No. 170/00128/2015- Sh.R.Bylahanumaiah Vs Union of India and

	<p>others for the Grant of 3rd MACP. Affidavit submitted awaiting Writ Petition to be admitted in the Hon'ble High Court of Karnataka.</p> <p>Contempt Petition (Civil) No. 410/2016- Union of India and others Vs Sh.V.Venkateswaran, Ex-Cartographic Officer for Non settlement of his Pensionary Benefits. Judgment order received on 28/07/2016. Judgment order received on 28/07/2016. Re-Application filed on 25/08/2016 seeking of 6months time.</p> <p>Writ Petition No: 26665/2015- Union of India and others Vs Smt. Sudhamani for Ad-hoc service to be taken as permanent service. Contempt Petition dismissed and Writ Petition admitted at High Court.</p> <p>Writ Petition No: 46375/2013- Sh.Srinivasa Rao Phadnis Vs Union of India for the Grant of 2nd ACP. Counter reply filed & thnext date of hearing is on 07/11/2016.</p> <p>Writ Petition No: 16706/2016- Sh.N.Shanmugam AFO Vs Union of India and others for the Grant of 6th CPC Grade Pay Fixation from 01/01/2006. The case was allowed and remanded to the lower court.</p>
Hyderabad	Service Book in r/o Sh.R.L.Ram, Ex-,F.Asst is already sent to him.
Kolkata	NIL
Nagpur	NIL
Noida	<p>CAT case O.A. 4663/2015 regarding TA for NOIDA Staff is running and next date of hearing was on 07.12.2016</p> <p>CAT case O.A. 3791/2015 regarding the Smt. Murti Devi is running and and next date of hearing was on 19.11.2016</p>
Ranchi	Year of inspection 2011-2013-Replied to External Audit, but the report is still awaited.

13.3 Administrative Matters

Centres	Matters
Ahmedabad	NA
Bengaluru	<ul style="list-style-type: none"> • There is shortage of staff working in administration section-only one O.S. is presently in position. Hence request to fill the post of LDC/UDC for smooth working
Hyderabad	NA
Kolkata	NIL
Nagpur	<ul style="list-style-type: none"> • Filling up of vacant posts of 5 officers (ASSO-2 /ASC-1/1 CO) for smooth functioning of office work, may be taken up. • One FO will retire on March, 2017 • One MTS will retire on June, 2017. • One Driver will retire on Jan, 2017 • Out of 14 posts of MTS at present only nine are filled up and 5 posts are vacant which may be filled up at the earliest otherwise watchman for watch and ward duties will have to be hired. A requirement of Guards for office as the number MTS is reduced. <p>Hence, the necessary action may be taken to fill up these posts as early as possible for smooth functioning of the office work.</p>
Noida	NIL
Ranchi	<ul style="list-style-type: none"> • Court/CAT/RTI – court case No.W.P.(S)2010/WP(S)455/2010 Shri Vikash Kumar Tirkey S/o Late Devi Lal, Ex-Khalasi Vs Union of India Court case in the high court of Jharkhand at Ranchi regarding his appointment on compassionate ground is not listed (pending).

List of Participants

1. Dr. V.S Arya, Chief Soil Survey Officer, SLUSI, HQ
2. Dr. Munish Kumar Soil Survey Officer, SLUSI, HQ
3. Sh. R. L. Meena, Sr. Soil Survey Officer, Noida Centre
4. Sh. Ravindra Kulkarni, Soil Survey Officer, SLUSI, Nagpur Centre
5. Dr. S. Roychowdhury, Soil Survey Officer, SLUSI, Kolkata Centre
6. Sh. Mahesh Chand, Soil Survey Officer, SLUSI, Hyderabad Centre
7. Sh. Dinesh Patel, Soil Survey Officer, SLUSI, Ranchi Centre
8. Dr. S. P. Singh, Soil Survey Officer, SLUSI Ahmedabad Centre
9. Sh. P.K. Laghate, Soil Survey Officer, SLUSI, Bengaluru centre
10. Dr. V. Ranga Rao, Senior System Analyst, SLUSI, RSC, HQ
11. Sh. N.S. Gahlod. Assistant Soil Survey Officer, SLUSI, HQ