

OPERATIONAL GUIDELINE FOR OPERATIONALISATION OF SOIL TESTING AND QUALITY CONTROL LABORATORIES

I) OPERATION OF STATIC SOIL TESTING LABORATORIES (STL) .

Six nos. of static STLs at Keonjhar, Angul, Nuapada, Sonapur, Rayagada & Bargarh have been established under National Project on management of Soil Health & Fertility. Govt. of India had provided one time assistance towards establishment and operating the laboratories under the project. Now, it has been planned to continue the operation of the said laboratories by providing funds under the new state plan scheme "Operationalisation of Soil Testing & Quality Control Laboratories"

1. Fifteen persons per laboratory including 14 personnels on contractual basis has been engaged per laboratory.
2. The salary of head of the office i.e Soil Chemist will be continued to be drawn from the equivalent vacant post of AAO in the district.
3. Funds towards engagement of contractual persons (per laboratory) will be placed at the disposal of the DDA. This fund will placed @ Rs.15.00 lakh per laboratory per year i.e equivalent to sum total of man power assistance per month for 10 months.
4. The assistance to the staffs will be provided at the rate approved by Govt.
5. The Soil Chemist will prepare the absentee statement and send to the Service Providing Agency. On receipt of bills from the Service Providing Agency, the Soil Chemist will process the same and place it to the D.D.A for drawal.
6. The D.D.A will take steps for drawal of the amount from treasury on monthly basis. After drawal of money the D.D.As can either directly place the same to the Service Provider or may place the same to the Soil Chemist who in turn will release the same to the Service Provider.
7. The D.D.A will periodically review the collection, submission and analysis of soil samples dispatch of soil health cards to the farmers.
8. He should also take up necessary steps for effective monitoring of implementation of recommendation made through Soil Health Card and feed backs thereof.

II) Operation of Mobile Soil Testing Laboratories: -

Six nos. of mobile Soil Testing Vans are being operated in the districts of Puri, Jajpur, Bhadrak, Gajapati, Nawarangpur & Sambalpur. These vans are being operated in PPP Mode with M/s Paradeep Phosphates Ltd. (PPL) as partner. As per the MOU signed with the M/s Paradeep Phosphates Ltd. payment will be made to them @ Rs. 300/- per sample analyzed. Each Van has the annual analyzing capacity of 5000 samples.

1. The D.D.As will receive the bills along with Monthly Progress Report from M/s Paradeep Phosphates Ltd.
2. The M.P.Rs so received is to be verified with respect to the data uploaded in the site Odisha Soil Health Generation System.
3. Funds for the purpose will be placed at the D.D.As.
4. After proper verification of the M.P.Rs the D.D.As will draw the bills the release payment to M/s PPL.
5. The D.D.As will also take steps to cross check 2% of the samples analyzed by the mobile units by submitting the same to the static laboratories of the state government.

III) AMC of Atomic Absorption Spectrophotometer (AAS)

Five nos. of A.A.S have been installed at the Soil Testing Laboratories of Balasore, Baripada, Sambalpur, Berhampur, & Semiliguda. The warranty period of the instruments are already over. For smooth operation of there instruments it has been planned to have AMC with the manufacturer/ local vender.

1. The directorate will move the company to furnish estimate and contract forms for the five nos. of A.A.S. The offer will be evaluated and finalized after negotiation with the company.
2. Funds for this purpose will be placed with individual Soil Chemist. based on the directives issued by the directorate.
3. Each Soil Chemist will sign the AMC with company & release payment to them.

IV) Establishment of Soil Testing Laboratories with Alternative Analytical Technology.

1. The proposal of SHEDS for establishment of 4 such laboratories will be evaluated at the directorate level .
2. Suitable rooms will be provided to the organization at Joda, Koida, Dharmasala and Khurda for setting up the laboratory.
3. The organization will bear the entire cost of setting up the laboratories i.e procurement of requisite instruments & engagement of manpower.
4. The organization will pay room rent for housing the laboratory.
5. The cost of the electricity & water for operating the laboratory will also be borne by the organization.
6. The recurring expenses will be shared between the Government & SHEDS at mutually agreeable rate.
7. Payment to the organization will be made on the basis of per sample analyzed.
8. Extension personnel of the department will ensure collection & submission of samples to the laboratories by way of motivating the farmers.
9. Since, this is a new technology, OUAT, (Deptt. of Soil Science & Agril. Chemistry) will be one of the technical collaborators for evaluation of results obtained through this technology. At least 10% of the samples on a random basis are to be cross checked for confirming the accuracy level of the samples analysis by AAT Technology.
10. A suitable contingent amount will be placed with the OUAT for evaluation of the technology.

V) Operationalisation of Pesticide Testing Laboratory at Sambalpur.

One building has already been constructed at Sambalpur for operationalisation of a new Pesticide Testing Laboratory. Now it has been decided to procure instruments & other requisite articles for the same at a cost of Rs.68.70 lakh.

1. A "Technical Committee" at the Directorate level will be constituted to finalize the list of items (instruments, glassware, laboratory articles etc.) for the laboratory and technical specification thereof.

2. Open tender will be invited for procurement of items of specified by the “Technical Committee”
3. After Finalization of tender, orders will be placed with the successful bidders for supply & the required materials.
4. Steps will also be taken for placement of appropriate manpower for functioning of the laboratory.