

ABSTRACT

Agriculture - National Agriculture Development Programme (Rashtriya Krishi Vikas Yojana – RKVY) - Implementation of project proposals approved by State Level Sanctioning Committee in the meeting held on 15.12.2007 - Detailed project proposal submitted by Tamil Nadu Agricultural University for Establishment of Land Resource Inventory and GIS Database for Farm Village and Block Level Planning - Orders - issued.

AGRICULTURE (AP 1) DEPARTMENT

G.O.Ms.No.85

Dated:3.3.2008

Read:

1. G.O.Ms. No. 424, Agriculture (AP IV) Dated 23.10.2007.
2. From the Joint Secretary to Government of India, M.O.A, New Delhi D.O.No.2-12/2007-PC (PT) dated 06.11.2007.
3. From the Government of India, MOA, DOAC, Lr.No.8(1)/2007–Rashtriya Krishi Vikas Yojana (RKVY) dated 23.11.2007.
4. From the Executive Director, TAWDEVA, Lr.No.3231/ TAWDEVA/ 2007 dated 28.01.2008.
5. From the Government of India, Ministry of Agriculture, Department of Agriculture & Co-operation, New Delhi Letter No.1-2/2007 (RKVY) dated 1.2.2008

The Government of India have introduced a new Additional Central Assistance scheme to incentivise States to draw up plans for their agriculture sector more comprehensively, taking agro – climatic conditions, natural resource issues and technology into account, and integrating livestock, poultry and fisheries. The National Agriculture Development Programme (RKVY) aims at achieving 4% annual growth in agriculture sector during XI Plan period by ensuring holistic development of Agriculture and allied sectors.

2. The Government of India have allocated an amount of Rs.185.31crores under National Agriculture Development Programme (RKVY) to this state and released an amount of Rs.150.70 crores for implementation of projects under Stream-I of National Agriculture Development Programme (RKVY) for Agriculture and allied sectors for the year 2007-2008. This is 100% grant of the Government of India for the programme.

3. The State Level Sanctioning Committee (SLSC) for National Agriculture Development Programme (RKVY) was constituted under the Chairmanship of Chief Secretary to sanction project proposal under Stream-I vide G.O. first read above as per the guidelines of RKVY. In the above said G.O. the TAWDEVA has also been nominated as State Nodal Agency.

4. The first meeting of SLSC was held on 15.12.2007 to consider and sanction the project proposals under Stream-I in respect of Agriculture and allied sectors as submitted by Executive Director, TAWDEVA, and the committee accorded approval for the proposals of Agriculture and allied sectors with its observations. In accordance with the observations of the State Level Sanctioning Committee, the TNAU has submitted its detailed projects reports through TAWDEVA for approval and the project proposal relates to establishment of Land Resource Inventory and GIS Database for Farm Level Planning in Tamil Nadu at a cost of Rs.360.00 lakhs. This programme envisages detailed soil survey by creating digital base map and creation of data base including all spatial viability characteristics of soils in GIS format. The technical programme includes creation of base maps integrating cadastral maps and topo sheets and satellite data and to create data base for individual farm holdings. 10 potential crop growing villages in 10 focused districts, viz., Ariyalur, Coimbatore, Dharmapuri, Dindigul, Krishnagiri, Namakkal, Perambalur, Ramanathapuram, Salem and Villupuram have been identified. The total cost of the project is Rs.3.60 crores with the unit cost of Rs.100/- per Ha. The outcome of the project will be selection of potential crops, fertilizer and other inputs recommendations, efficient crop planning and to take policy decisions on Agricultural programme.

5. The Government, after careful examination, accord approval for the detailed project proposal of the Tamil Nadu Agricultural University for establishment of Land Resource Inventory and GIS Database for Farm Level Planning in Tamil Nadu at a cost of Rs.360.00 lakhs. (Rupees Three crores sixty lakhs only) as indicated in the Annexures I to III to this order. Accordingly, the sanction of funds to implementing agencies viz. Agricultural Engineering Department, Department of Agriculture and Tamil Nadu Agricultural University as given below:

1. Agricultural Engineering Department	=	Rs.19.14 lakhs
(Rupees Nineteen lakhs and fourteen thousand only)		
2. Department of Agriculture		Rs.208.11 lakhs
(Rupees Two crores eight lakhs and eleven thousand only)		
3. Tamil Nadu Agricultural University		Rs.132.75 lakhs
(Rupees One crore thirty two lakhs and Seventy five thousand only)		
Total		Rs.360.00 lakhs

The amount sanctioned to Tamil Nadu Agricultural University is grants-in-aid for 2007-08 under this programme.

6. The expenditure sanctioned in para 5 above, shall be debited under the head of account indicated in the annexure to this order.

7. The Chief Engineer, Agricultural Engineering Department / Directorate of Agriculture are the estimating reconciling and controlling authority for the respective new head of account.

8. The expenditure sanctioned in para 5 above shall be constituted an item of New Service for which the approval of the Legislature will be obtained in due course. Pending approval of legislature, the expenditure shall initially will met by an advance from the Contingency Fund of Tamil Nadu. The sanction of which will be made by Finance (BG-I) Department, separately based on application in the prescribed format from the Chief Engineer, Agricultural Engineering Department / Director of Agriculture along with the copy of the order. They are also instructed to send necessary explanatory notes to include the above expenditure in the Final supplementary estimates 2007-08 at the appropriate time without fail.

9. The duration of the project shall be one year from the date of issue of Government Order. The Project shall be implemented by Tamil Nadu Agricultural University with the assistance of Departments of Agricultural Engineering and Agriculture. The Agricultural Engineering Department shall procure required topo sheets and cadastral maps and digitize the base map after extracting the features from the source maps. Satellite data will be procured from National Remote Sensing Agency by Tamil Nadu Agricultural University and this will be digitally incorporated with the base map. The Department of Agriculture shall carry out the field traversing and collect soil site characteristics and soil samples for details analysis. Soil samples will be analyzed by Tamil Nadu Agricultural University with survey work and create data base. The Tamil Nadu Agricultural University shall be responsible for the technical and quality control and monitor the implementation of the Project. Under no circumstances, any deviation from the decision of SLSC shall be permitted.

10. TAWDEVA – the Nodal Agency, shall prescribe benchmarks for outcomes, milestones with time lines and monitor the outcomes to ensure that implementing agencies adhere to them.

11. The Executive Director, TAWDEVA, is requested to send the monthly progress report to Government of India, in the prescribed format by 10th of the subsequent month under intimation to this Government without fail.

12. This order issues with the concurrence of Finance Department vide its U.O. No. 60/SS/PK/08, dated 27.02.2008 and ASL No.1921 (One thousand nine hundred and twenty one)

(BY ORDER OF THE GOVERNOR)

SURJIT K. CHAUDHARY,
Agricultural Production Commissioner and
Secretary to Government

To

The Commissioner of Agriculture, Chennai – 5.

The Commissioner of Horticulture and Plantation Crops, Chennai-5

The Chief Engineer, (Agricultural Engineering), Chennai-35

The Executive Director, TAWDEVA, Chennai – 32.

The Vice Chancellor, TNAU, Coimbatore.

Vice Chancellor, Tamil Nadu Veterinary and Animal Science University,
Chennai – 52.

Director of Animal Husbandry, Chennai - 6

Director of Fisheries, Chennai – 6

The Joint Director of Agriculture, Coimbatore

The Joint Secretary to Government of India, MOA, Dept, of Agriculture and
Co-operation, Krishi Bhavan, New Delhi – 110 001.

The Member-Secretary, State Planning Commission, Chennai – 5.

The Pay and Accounts officer, Chennai – 5 / Chennai – 35.

The Treasury Officer / Sub-Treasury Officer, Coimbatore

The Treasury Officer / Sub-Treasury Officer concerned.

The Principal Accountant General, Chennai – 18 / By Name

The Principal Accountant General, Chennai – 35 / By Name

Copy to :

The Principal Secretary to Government, PD& SI Dept, Chennai – 9.

The Secretary to Government, AHD&F Dept, Chennai – 9.

The Secretary to Government, PWD, Chennai – 9.

The Secretary to Government, E&F Department, Chennai – 9.

The Secretary to Government, MAWS Department, Chennai-9

The Secretary to Government, RD & PR Department, Chennai-9

Finance (BG1, BG.II / Agriculture /) Department, Chennai-9.

Agriculture (AP IV) Department, Chennai – 9.

/Forwarded /By Order/

SECTION OFFICER

Annexure I**LAND RESOURCE INVENTORY AND GIS DATABASE FOR FARM LEVEL PLANNING****Project cost and financing for 2007-08**

(in lakh rupees)

Activity No.	Activity	Agricultural Engineering Department	Department of Agriculture	Tamil Nadu Agricultural University
1	Preparation of base map			
	1.1 Procurement of SOI toposheets, Cadastral maps / Village maps Digitization of Cadastral maps	19.14		
	1.2 Procurement of satellite data			15.68
2	Preparation of field soil map			
	2.1 Technical assistance		78.04	
	2.2 Camp office		11.15	
	2.3 Traveling allowance		26.01	
	2.4 Vehicle hire charges		58.07	
	2.5 Profile and mini-pit examinations and collection of profile and surface soil samples		17.42	
3	Analysis of soil samples			87.10
4	GIS database			23.23
5	Preparation of soil resources inventory report		11.61	
6	Other Contingencies			
	6.1 For field operations		5.81	
	6.2 For lab analyses			6.74
	Total	19.14	208.11	132.75
	Total budget for the ten blocks (3,60,000 Ha.)			360.00

Annexure II**Land Resource Inventory and GIS Database for Farm Level Planning
Worksheet on cost estimate for a block with an average area of 31,000 Ha****(In Rupees)**

1. Preparation of base map		
1.1 Topographical Sheet 1:50K - 3 No. @ Rs. 16,500/sheet	Rs.	49,500
1.2 Village maps & GCP collection - 35 numbers @ Rs. 300/map	Rs.	10,500
1.3 LISS IV data 5'x5' geo-coded 6 numbers @ Rs. 15,000/product	Rs.	90,000
1.4 Digitizing 35 village maps @ Rs. 5,000/map	Rs.	1,05,000
1.5 Map printing @ Rs. 1,000/map	Rs.	35,000
1.6 Printing topo-maps and lamination	Rs.	10,000
	Rs.	3,00,000
2. Preparation of field soil maps		
2.1 Technical assistance		
SRF @ 2 x 8500 x 12 months	Rs.	2,04,000
JRF @6 x 6500 x 12 months	Rs.	4,68,000
2.2. Rent for Camp Office @ Rs.8000/-p.m.		Rs. 96,000
2.3 Travelling allowance		
SRF & JRF @ 12000/ month x 12	Rs.	1,44,000
Department Staff	Rs.	80,000
2.4 Vehicle hire charges		
One vehicle / 3 parties, 2 vehicles / block @ 1250 x 20 days x 2 Vehicles x 10 months	Rs.	5,00,000
2.5 Labour cost		
900 Profiles per block (@ Rs.120/profile)	Rs.	1,08,000
Augur boring (1000) + mini pit (1000)	Rs.	42,000
	Rs.	16,42,000
3. Soil and Water analysis		
200 master profiles 5 layers @ Rs 500/sample	Rs.	5,00,000
1000 surface samples @ Rs. 250/sample	Rs.	2,50,000
	Rs.	7,50,000
4. GIS Database		
ARCGIS license upgradation	Rs.	75,000
Spatial database creation for 35 villages @ Rs. 3000/village	Rs.	1,05,000
Maintenance service for workstations and UPS	Rs.	20,000
	Rs.	2,00,000
5. Soil resource inventory report		
5.1 Soil survey report with atlas	Rs.	90,000
5.2 Soil correlation	Rs.	10,000
	Rs.	1,00,000
6. Other contingencies		
6.1 Department of Agriculture (field implements, sample bags chemicals etc.)	Rs.	50,000
6.2 TNAU (laboratory glasswares and apparatus, chemicals etc.)	Rs.	58,000
	Rs.	1,08,000
Total per Block	Rs.	31,00,000

Cost for Land resource inventory creation and GIS database will be Rs. 100 / Hectare

Annexure III**Blocks selected under NADP for Resource Inventory and GIS database**

District	Block	Area in Ha*	Cost estimate (Lakh Rupees)
Ariyalur	Thirumanur	33,000	33.00
Coimbatore	Annur	29,000	29.00
Dharmapuri	Pappireddipatti	41,000	41.00
Dindugal	Ottanchatram	51,000	51.00
Krishnagiri	Uthangarai	33,000	33.00
Namakkal	Rasipuram	25,000	25.00
Perambalur	Perambalur	34,000	34.00
Ramnad	R.S.Mangalam	52,000	52.00
Salem	Veerapandi	19,000	19.00
Villupuram	Gingee	43,000	43.00
Total		360,000	360.00

ANNEXURE**I. AGRICULTURAL ENGINEERING DEPARTMENT**

Head of Account:

4402 00 Capital Outlay on Soil and Water Conservation 102 Soil Conservation Schemes in the Eleventh Five Year Plan III Centrally Sponsored SX National Agriculture Development Programme (RKVY) – Agricultural Engineering Department

(Rupees in thousand)

Sl. No	Detailed	Sub detailed	DPC	Amount
1	16 Major Works		(4402 00 102 SX 1603)	1914

II. AGRICULTURE DEPARTMENT

2401 00 Crop Husbandry 800 Other Expenditure Schemes in the Eleventh Five Year Plan III Centrally Sponsored SB National Agriculture Development Programme (RKVY) – Agriculture Department

Sl. No	Detailed	Sub detailed	DPC	Amount
1	05 Office Expenses	02 Other Contingencies	(2401 00 800 SB 0523)	581
2	33 PPS	03 Special Services	(2401 00 800 SB 3333)	20230
			Total	20811

III. AGRICULTURAL RESEARCH AND EDUCATION

2415 Agricultural Research and Education 01 Crop Husbandry 120 Assistants to other Institutions Schemes in the Eleventh Five Year Plan III Centrally Sponsored SA Grants to Tamilnadu Agricultural University Schemes under National Agriculture Development Programme Rashtriya Krishi Vikas Yojana (RKVY)

Sl. No	Detailed	Sub detailed	DPC	Amount
1	09 Grants in aid	03 Grants for specific schemes	(2415 01 120 SA 0931)	13275
			Total	36000

SURJIT K. CHAUDHARY,
Agricultural Production Commissioner
and Secretary to Government

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Section Officer