

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 implementation of Precision Farming in Tamil Nadu for approval – Sanctioned – Orders - Issued.

AGRICULTURE (AP 1) DEPARTMENT

G.O.Ms.No.81

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 implementation of Precision Farming in Tamil Nadu at a cost of Rs.6368.20 lakhs. The Tamil Nadu Agricultural University has proposed to extend the project across the State over an extent of 12800 ha. and proposed to implement this project through Department of Horticulture and Agriculture with 1000 ha. each in 9 focused districts of Coimbatore, Salem, Namakkal, Dharmapuri, Krishnagiri, Villupuram, Perambalur (Composite), Dindigul and Ramanathapuram and 200 each in other 19 districts in viable clusters. It is proposed to dovetail the programme with Micro Irrigation Programme of Government of India with 50% subsidy. The Micro Irrigation System adopted under Precision Farming Programme are more intensive than what is prescribed under Micro Irrigation Programme of the Government of India. Sometime, the actual cost of the system goes more than Rs.80,000/- per Ha. Therefore it was proposed to source 50% subsidy of expenditure over and above the Government of India norms from National Agriculture Development Programme. However, for the purpose of claiming subsidy, the maximum unit cost per Ha. shall be limited to Rs.80,000/- and technical standards and space norms shall be prescribed. Duration of the Project shall be one year.

5. The Government, after careful examination, accord approval for the detailed project proposal of the Tamil Nadu Agricultural University for implementation of Precision Farming in Tamil Nadu at a cost of Rs.6368.20 lakhs (Rupees Sixty three crores Sixty eight lakhs and twenty thousand only) as indicated in the Annexure-I and II to this order. Accordingly, sanction is accorded to the implementing agencies viz., Department of Agriculture, Department of Horticulture and Plantation Crops and Tamil Nadu Agricultural University as given below:

| | |
|---|------------------|
| 1. Department of Agriculture (Rupees Twenty nine crores fifty nine lakhs and ninety thousand only) | Rs.2959.90 lakhs |
| 2. Department of Horticulture & Plantation crops (Rupees Twenty nine crores fifty nine lakhs and ninety thousand only) | Rs.2959.90 lakhs |
| 3. Tamil Nadu Agricultural University (Rupees Four crores forty eight lakhs and forty thousand only) | Rs.448.40 lakhs |
| Total | Rs.6368.20 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 respective Head of Account mentioned in Annexure III to this Order.

7. The Director of Agriculture / Director of Horticulture is the estimating, reconciling and controlling authority for the above new sub-head of account. The Pay and Accounts of Officer / Treasury Officer concerned is requested to open the new sub-head of account in their accounts.

8. The expenditure sanctioned in para 5 above shall be constituted as 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 be 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 Director of Agriculture along with the copy of the order. He is 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 is 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 Agriculture and Horticulture and Plantation Crops. The Tamil Nadu Agricultural University will be responsible for quality transfer of technology and new agricultural practices to the farmers. The KVKs, Department of Agriculture and Department of Horticulture will be responsible for area expansion under the project in close co-ordination with the Tamil Nadu Agricultural University. The Tamil Nadu Agricultural University shall concurrently monitor the quality of transfer of technology by the KVKs, Departments of Agriculture and Horticulture and suggest corrections. The Tamil Nadu Agricultural University shall also organize training programmes under this project. Under no circumstances, any deviation from the decision of SLSC shall be permitted.

10. For selection of beneficiaries, the implementing departments shall evolve objective criteria or norms.

11. 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.

12. 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.

13. This order issues with the concurrence of Finance Department vide its U.O. No. 64/SS/PK/08, Dated 27.02.2008 ASL No. 1923 (One thousand nine hundred and twenty three).

(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 (BG I, B.G. II) / Agriculture) Department, Chennai-9.
Agriculture (AP IV) Department, Chennai – 9.

/Forwarded/By Order/

SECTION OFFICER

ANNEXURE - 1**Precision Farming in Tamil Nadu****I. Implementing Agency (units in Ha)**

| a. Focus districts | KVK | Commissionerate of Horticulture | Commissionerate of Agriculture | Total |
|-----------------------------|------------|--|---|--------------|
| 1. Coimbatore | - | 500 | 500 | 1000 |
| 2. Dhamapuri | 100 | 450 | 450 | 1000 |
| 3. Dindigul | - | 500 | 500 | 1000 |
| 4. Krishnagiri | - | 500 | 500 | 1000 |
| 5. Namakkal | - | 500 | 500 | 1000 |
| 6. Perambalur (Ariyalur) | - | 500 | 500 | 1000 |
| 7. Ramnad | 100 | 450 | 450 | 1000 |
| 8. Salem | 100 | 450 | 450 | 1000 |
| 9. Villupuram | 100 | 450 | 450 | 1000 |
| Sub Total (A) | 400 | 4300 | 4300 | 9000 |
| b. Other districts | KVK | Commissionerate of Horticulture | Commissionerate of Agriculture | Total |
| 1. Cuddalore | 20 | 90 | 90 | 200 |
| 2. Erode | - | 100 | 100 | 200 |
| 3. Pudukottai | 20 | 90 | 90 | 200 |
| 4. Kanyakumari. | 20 | 90 | 90 | 200 |
| 5. Karur | - | 100 | 100 | 200 |
| 6. Kanchipuram. | - | 100 | 100 | 200 |
| 7. Madurai. | 20 | 90 | 90 | 200 |
| 8. Nagai | 20 | 90 | 90 | 200 |
| 9. Sivaganga | - | 100 | 100 | 200 |
| 10. Tanjore | - | 100 | 100 | 200 |
| 11. Theni | - | 100 | 100 | 200 |
| 12. Trichy | 20 | 90 | 90 | 200 |
| 13. Tirunelveli | - | 100 | 100 | 200 |
| 14. Tiruvallur | 20 | 90 | 90 | 200 |
| 15. Tiruvannamalai | - | 100 | 100 | 200 |
| 16. Tiruvarur | 20 | 90 | 90 | 200 |
| 17. Tuticorin | - | 100 | 100 | 200 |
| 18. Vellore | 20 | 90 | 90 | 200 |
| 19. Virudhunagar | 20 | 90 | 90 | 200 |
| Sub Total (B) | 200 | 1800 | 1800 | 3800 |
| Grand Total (A+B) | 600 | 6100 | 6100 | 12800 |

II. Project Components and financing

| Sl. No. | Component | Dovetail to MIS (Rs.) Per Ha (Rs.) | NADP | | |
|-----------------------------------|--|---------------------------------------|---------|------------------------|-----------------------|
| | | | Per ha | 1000 ha (Rs. in Lakhs) | 200 ha (Rs. in Lakhs) |
| A. Cultivation expenses | | | | | |
| 01. | Drip & Fertigation system @ Rs.80,000 for 1.5m x 0.5 m design, 50%= Rs.40,000/- (Rs.28800+11200= 40,000) | (28,800) | 11,200 | 112.00 | 22.40 |
| 02. | Community nursery @ one / 20 ha @ Rs.1.00 lakh / unit for the farmers group | - | (5,000) | 50.00 | 10.00 |
| | Sub Total (A) | 28,800 | 11,200 | 162.00 | 32.40 |
| B.Cultivation / Input Cost | | | | | |
| 03. | Seed & Plants @ Rs.5000/ ha | - | 5,000 | 50.00 | 10.00 |
| 04. | WSF @ Rs.15,000 / ha | - | 15,000 | 150.00 | 30.00 |
| 05. | Plant protection chemicals @ Rs.5000 / ha | - | 5,000 | 50.00 | 10.00 |
| | Sub Total (B) | | 25,000 | 250.00 | 50.00 |
| C. Service cost | | | | | |
| 06. | Technical Assistance @ one Tech Person/20ha @ Rs.7000 x 12 months (6000+HRA+TA) 50 candidates | - | - | 42.00 | 8.40 |
| 07. | Training to farmers (1000) 2 days training @ Rs.500 /day/ head at Dharmapuri | - | - | 10.00 (1000 Nos.) | 2.00 (200 Nos.) |
| 08. | Exposure visit to markets (office bearers 50 x 3=150+50 Technical staff) 200 x @ 2500 / head | - | - | 5.00 (200Nos) | 2.00 (80nos) |
| 09. | TA + DA + Vehicle hire Charges | - | - | 10.00 | 2.00 |
| 10. | Publicity and documentation | - | - | 5.00 | 1.00 |
| 11. | Monitoring and evaluation | - | - | 5.00 | 1.00 |
| 12. | Farmer Participatory Researchable issues | - | - | 10.00 | - |
| | Sub Total (C) | - | - | 87.00 | 16.40 |

| | | | | | |
|--|--|---|---|----------------|----------------------|
| | Grand Total (A+B+C) | - | - | 499.00 | 98.80 |
| | Budget for 9 districts X Rs.499.00 | - | - | 4491.00 | -- |
| | Budget for 19 districts X Rs.98.80 | - | - | -- | 1877.20 |
| | Total Budget under NADP (Rs.4491.00+1877.20) | | | | = Rs. 6368.20 |
| | Budget Dovetailed from Micro Irrigation Scheme 12800 ha X Rs.28,800 | | | | = Rs. 3686.40 |
| | Total Project Cost | | | | = Rs.10054.60 |

ANNEXURE-II**(Budget Rs. Lakhs)**

| Project | Activities / Interventions | Total Budget | DOA | DOH | TNAU |
|-------------------|---|---------------------|----------------|----------------|---------------|
| Precision Farming | Drip & Fertigation system and other inputs which includes seeds, WSF, PP, Nursery | 5273.60 | 2513.20 | 2513.20 | 247.20 |
| | HRD to Farmers on PF | 128.00 | 61.00 | 61.00 | 6.00 |
| | Exposure Visit to Markets | 83.00 | 38.00 | 38.00 | 7.00 |
| | Farmers Participatory Research and Extension | 90.00 | -- | -- | 90.00 |
| | Contractual Services @20ha/one | 537.60 | 256.20 | 256.20 | 25.20 |
| | TA+DA+Vehicle hire charge | 128.00 | 61.00 | 61.00 | 6.00 |
| | Publicity | 64.00 | 30.50 | 30.50 | 3.00 |
| | Monitoring and Evaluation | 64.00 | -- | -- | 64.00 |
| | Total | 6368.20 | 2959.90 | 2959.90 | 448.40 |

ANNEXURE – III

| 1. DEPARTMENT OF AGRICULTURE | | | | |
|---|---|--------------------------------|------------------------|---------------|
| Head of Account: | | | | |
| 2401 00 Crop Husbandry 800 Other Expenditure Schemes in the Eleventh Five Year Plan – III Centrally Sponsored SB National Agriculture Development Programme (Rashtriya Krishi Vikas Yojana (RKVY) – Agriculture Department. | | | | |
| (Rs.in thousands) | | | | |
| Sl.No. | Detailed | Sub detailed | DPC | Amount |
| 1 | 08 Advertising and Publicity | 01 Advertisement Charges | (2401 00 800 SB 0818) | 3050 |
| 2 | 11 Subsidies | 01 Individual Based Subsidy | (2401 00 800 SB 1111) | 251320 |
| 3 | 33 Payments for Professional and Special Services | 03 Special Services | (2401 00 800 SB 3333) | 31720 |
| 4 | 72 Training | | (2401 00 800 SB 7204) | 9900 |
| | | | Total | 295990 |
| II. DEPARMENT OF HORTICULTURE AND PLANTATION CROPS | | | | |
| 2401 00 Crop Husbandry 119 Horticulture Schemes in the Eleventh Five Year Plan III Centrally Sponsored SG National Agriculture Development Programme (RKVY) – Horticulture Department | | | | |
| 1 | 11 Subsidies | 01 Individual Based Subsidy | (2401 00 119 SG 1116) | 295990 |
| III. TAMIL NADU AGRICULTURAL UNIVERSITY | | | | |
| 2415 Agricultural Research and Education 01 Crop Husbandry 120 Assistance to other Institutions III Centrally Sponsored SA Grants to Tamil Nadu Agricultural University Schemes under National Agriculture Development Programme (Rashtriya Krishi Vikas Yojana (RKVY) | | | | |
| 1 | 09 Grants in Aid | 03 Grants for Specific Schemes | (2415 01 120 SA 0931) | 44840 |
| | | | Total | 636820 |

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

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Section Officer