



## ABSTRACT

Agriculture - National Agriculture Development Programme (Rashtriya Krishi Vikas Yojana – RKVY) - Implementation of project proposals for the year 2008-09 - Implementation of the project “Agricultural Mechanization in Tamil Nadu” – Sanctioned – Orders - Issued.

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### AGRICULTURE (AP 1) DEPARTMENT

G.O.Ms.No.345

Dated:19.11.2008

Read:

1. G.O.Ms.No.83, Agriculture, dated 3.3.08.
2. From the Government of India, Ministry of Agriculture, Department of Agriculture and Cooperation, letter No.7-1/2008-RKVY, dated 2.6.2008.
3. From the Government of India, Ministry of Agriculture, Department of Agriculture and Cooperation letter No.8-1/2008-RKVY, dated 26.6.2008.
4. Government letter No.31646/AP1(2)/08-10, Agriculture (AP1) Department, dated 3.10.2008.
5. From the Executive Director, Tamil Nadu Watershed Development Agency letter No738/TAWDEVA/08-NADP, dated: 13.10.2008.

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### ORDER:

During 2007, the Government of India 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. In the G.O. first read above the Government have sanctioned an amount of Rs.1006.29 lakhs for the implementation of the project of Agricultural Mechanization in Tamil Nadu for the year 2007-08 under National Agriculture Development Programme.

3. In the letter second read above, the Government of India have allocated an amount of Rs.140.38 crores for the year 2008-09 under National Agriculture Development Programme (RKVY) to this State and released an amount of Rs.18.78 crores for implementation of projects under Stream-II of National

Agriculture Development Programme (RKVY) for Agriculture and allied sectors for the year 2008-2009. This is 100% grant of the Government of India for the Programme.

4. A project proposal for implementation of Agricultural Mechanization in Tamil Nadu has been submitted in the Third State Level Sanctioning Committee meeting held on 23.9.2008 and the State Level Sanctioning Committee has approved project proposal for implementation of Agricultural Mechanization in Tamil Nadu during the year 2008-09 at a total cost of Rs.8975.05 lakhs (without subsidy) in which the commitment for the Government will be Rs.2579.55 lakhs after allowing subsidy in different level. Accordingly, the Tamil Nadu Agricultural University has submitted proposals Agricultural Mechanization in Tamil Nadu. In the project proposal, it is proposed to introduce the equipments for land development, primary cultivation, planting / seeding / transplanting, weeding and interculture, harvesting and threshing and for establishment of agricultural machinery service centres at the block level, supply and distribution of farm machinery to the farmers on subsidy for custom hiring and training the stake holders for the promotion of farm mechanization and custom hiring to address the farming needs. The farm machines and implements are proposed to be kept with the agricultural machinery service centre at each block for operating on hire basis are proposed for supplying under 33% subsidy (subject to a maximum of Rs.4.00 lakhs). Each centre can equip farm machines worth Rs.12.00 to Rs.16.00 lakhs which are comparatively costly with tractor and cannot be owned by the individual farmers. An amount of Rs.4.00 lakhs per service centre or 33% whichever is less is allowed for each centre. The laser leveler is allowed in all the blocks coming under rice cultivation areas.

5. The Government, after careful examination, accord approval for the detailed project proposal of the Tamil Nadu Agricultural University for the year 2008-09 for implementation of Agricultural Mechanization in Tamil Nadu at a cost of Rs.2578.05 lakhs with subsidy as indicated in the Annexure-I to V to this order. Accordingly, the Government sanction a sum of Rs.2578.05 lakhs (Rupees twenty five crores, seventy eight lakhs and five thousands only) for the implementation of Agricultural Mechanization and for establishment of Agricultural Machinery Service Centers in block level as per the proposal for custom hiring in Agri Clinics / self help groups / service providers as detailed in the Annexures to this order in Tamil Nadu to the implementing agencies viz., Department of Agricultural Engineering and Tamil Nadu Agricultural University as detailed below subject to the condition that under no circumstances any deviation from the decision of the State Level Sanctioning Committee is permitted and the amount sanctioned above for the project is 100% grant-in-aid under National Agriculture Development Programme:-

1. Department of Agricultural Engineering Rs.2558.50 lakhs
2. Tamil Nadu Agricultural University Rs. 19.55 lakhs

Total

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Rs.2578.05 lakhs

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6. The expenditure sanctioned in para 5 above shall be debited under the respective Head of Account mentioned in Annexure- V to this order.

7. Necessary funds will be provided in the Revised Estimate / Final Modified Appropriation 2008-09 and pending provision of such funds, the Chief Engineer (Agricultural Engineering) is authorized to draw and disburse the amount sanctioned in para 5 above. The Commissioner of Agriculture is authorized to draw the amount of Rs.19.55 lakhs sanctioned to Tamil Nadu Agricultural University in para 5 above and disburse the same to Tamil Nadu Agricultural University through crossed cheque. The Chief Engineer (Agrl. Engg) and Registrar, Tamil Nadu Agricultural University are requested to include this expenditure while sending the proposal for Revised Estimate / Final Modified Appropriation 2008-09 and Supplementary Estimates 2008-09 to Government in Finance Department.

8. The project duration is one year from the date of issue of the Government Order. The project shall be implemented by the Tamil Nadu Agricultural University with the assistance of Department of Agriculture / Department of Agricultural Engineering. The Department of Agricultural Engineering shall be responsible for procurement of implement / machines, selection of farmers and distribution of implements under the component 'Introduction of newly developed Agricultural Machinery / implements". The Tamil Nadu Agricultural University shall be responsible for the quality control of the implements procured, procurement and introduction of machineries and imparting training to the stakeholders. The Tamil Nadu Agricultural University shall also be responsible for monitoring of the entire programme.

9. Tamil Nadu Watershed Development Agency – the Nodal Agency shall prescribe benchmarks for outcomes, milestones with time lines and monitor the outcomes to ensure that implementing agencies adhere to them.

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

11. This order issues with the concurrence of Finance Department vide its U.O. No. 529/SS(PK)/Agri, dated 18.11.2008 and Additional Sanction Ledger No. 1242 [One thousand two hundred and forty two)

(BY ORDER OF THE GOVERNOR)

SURJIT K. CHAUDHARY,  
AGRICULTURAL PRODUCTION COMMISSIONER  
AND PRINCIPAL 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, Tamil Nadu Watershed Development Agency,  
Chennai – 32.

The Vice Chancellor, Tamil Nadu Agricultural University, Coimbatore.  
The Joint Director of Agriculture, Coimbatore  
The Joint Secretary to Government of India, Ministry of Agriculture , Department  
of Agriculture and Co-operation, Krishi Bhavan, New Delhi – 110 001.  
The Member-Secretary, State Planning Commission, Chennai – 5.  
All District Collectors.  
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 Secretary to Chief Minister's Monitoring Cell, Chennai-9.  
The Special Personal Assistant to Minister for Agriculture, Chennai-9.  
The Personal Assistant to Agricultural Production Commissioner and Principal  
Secretary to Government, Agriculture Department, Chennai-9.  
The Planning Development and Special Initiatives Department, Chennai – 9.  
The Animal Husbandry Dairying and Fisheries Department, Chennai – 9.  
The Public Works Department, Chennai – 9.  
The Environment and Forests Department, Chennai – 9.  
The Municipal Administration and Water Supply Department, Chennai-9  
The Rural Development and Panchayat Raj Department, Chennai-9  
The Finance (Agriculture / BG.I / B.G. II/ B. Co-ord) Department, Chennai-9.  
All Sections in Agriculture Department, Chennai - 9.  
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UNDER SECRETARY TO GOVERNMENT

ANNEXURE – I

PROJECT COST AND FINANCING FOR 2008-09

(Rupees in Lakhs)

| Project                    | Activities / interventions   | Total budget | Breakup among departments           |   |
|----------------------------|--|--------------|-------------------------------------|---|
|                            |  |              | Agricultural Engineering Department | Tamil Nadu Agricultural University Others |
| Agricultural Mechanization | Creation of Agricultural machinery service centres in block level for custom hiring through Agri clinics / service providers | 1540.00      | 1540.00                             | -   |
|                            | Farm implements and machines for distribution to the farmers with subsidy  | 1018.50      | 1018.50                             | -   |
|                            | Training and capacity building for the stake holders to promote farm mechanization   | 19.55        | -                                   | 19.55                                     |
|                            | Total  | 2578.05      | 2558.50                             | 19.55                                     |

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ANNEXURE – II

List of Farm machines and Implements for Agrl. Machinery Service Centre

| Sl.No | Name of Farm Implement / Machine   | Approx Cost Rs. in lakhs | Remarks   |
|-------|--|--------------------------|---|
| 1     | Laser controlled leveler for precise land leveling with 50-60 hp tractor prime mover | 4.0                      | Subsidy of 33 % subject to a maximum of Rs. 4.00 lakhs per centre is allowed for the agricultural machinery service centre in each block. The investment for the same will be not more than Rs. 16 lakhs without subsidy. |
| 2     | Chisel plough  | 0.10                     |   |
| 3     | Post hole digger   | 1.00                     |   |
| 4     | Rotavator  | 1.00                     |   |
| 5     | Five / seven tyned duck foot cultivator  | 0.17                     |   |
| 6     | Cultivator (rigid tyned)   | 0.20                     |   |
| 7     | Cultivator (spring tyned)  | 0.18                     |   |
| 8     | Off set disc harrow  | 0.45                     |   |
| 9     | Ridge plough   | 0.17                     |   |
| 10    | Bund former  | 0.12                     |   |
| 11    | Seed drill / planter   | 0.40                     |   |
| 12    | Seed cum fertilizer drill  | 0.45                     |   |
| 13    | Zero till drill  | 1.00                     |   |
| 14    | Raised bed planter   | 0.40                     |   |
| 15    | Sugarcane sett cutter planter  | 1.00                     |   |
| 16    | Biomass shredder   | 0.80                     |   |
| 17    | High capacity multicrop thresher   | 2.50                     |   |
| 18    | Maize husker sheller / thresher  | 1.00                     |   |
| 19    | Ratoon manager   | 1.20                     |   |
| 20    | Trailor for the transport purpose  | 1.00                     |   |
| 21    | Any other equipments for agricultural / horticultural operations                     |                          |   |

Total budget amount for 385 blocks = Rs. 16.00 lakhs x 385 = Rs. 6160.00 lakhs

Budget required after allowing 33 % subsidy subject to a maximum of Rs. 4.00 lakhs per centre for each of 385 blocks = Rs. 1540.00 lakhs

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ANNEXURE – III

Farm implements for distribution to the farmers in different subsidy levels

| Rupees in lakhs |  |     |                   |                         |   |
|-----------------|--|-----|-------------------|-------------------------|---|
| S. No           | Name of the equipment  | Qty | Cost Rs. in lakhs | Total Cost Rs. in lakhs | Subsidy / Remarks   |
| A               | Farm implements for distribution to the farmers with 50 % subsidy  |     |                   |                         |   |
| 1.              | Riding type 8 row diesel engine operated Chinese model Yanji Sakthi rice transplanter  | 40  | 1.50              | 60.00                   | These equipments are power operated and are comparatively less costly and hence 50 % subsidy is allowed |
| 2.              | Walk behind type four row petrol engine operated Korean rice transplanter  | 20  | 2.00              | 40.00                   |   |
| 3.              | Rice tray nursery preparation machine - Power operated   | 20  | 0.90              | 18.00                   |   |
| 4.              | Rice tray nursery machine - Manuall operated   | 20  | 0.50              | 10.00                   |   |
| 5.              | Power operated single row paddy weeder   | 150 | 0.25              | 37.50                   |   |
| 6.              | Power operated multi row paddy weeder  | 100 | 0.40              | 40.00                   |   |
| 7.              | Self propelled power operated walk behind 2 wheel model equipment for interculture, weeding and earthing operation ( <10hp) with attachments | 300 | 1.00              | 300.00                  |   |
| 8.              | Self propelled power operated riding type 4 wheel drive equipment interculture, weeding and earthing operation (18-20hp) with attachments    | 60  | 2.50              | 150.00                  |   |
| 9.              | Power tools for Agricultural/ Horticultural operations   |     |                   |                         |   |
|                 | a. Brush Cutter  | 50  | 0.30              | 15.00                   |   |
|                 | b. Telescopic pruner   | 50  | 0.35              | 17.50                   |   |
|                 | c. Hedge trimmer   | 50  | 0.30              | 15.00                   |   |
|                 | d. Post hole digger  | 50  | 0.50              | 25.00                   |   |
|                 | e. Chain saw for wood log cutting  | 50  | 0.30              | 15.00                   |   |
|                 | f. Fogger  | 50  | 0.40              | 20.00                   |   |
|                 | g. Orchard sprayer   | 50  | 0.40              | 20.00                   |   |
|                 | Total  |     |                   | 783.00                  |   |
|                 | Total budget with 50 % subsidy   |     |                   | 391.50                  | 391.50  |

|    |  |     |       |         |   |
|----|--|-----|-------|---------|---|
| B  | Farm implements for distribution to the farmers with limited subsidy for costlier machines |     |       |         |   |
| 1. | Riding type 8 rows diesel engine operated Japanese Yanmar rice transplanter                | 50  | 12.50 | 625.00  | 33 % or 4 lakhs which ever is lesser    |
| 2. | Riding type 6 rows petrol engine operated Korean Kukje rice transplanter                   | 20  | 8.00  | 160.00  | 33 % or 2.60 lakhs which ever is lesser |
| 3. | Riding type 6 rows petrol engine operated Japanese Yanmar rice transplanter                | 30  | 9.20  | 276.00  | 33 % or 3 lakhs which ever is lesser    |
| 4. | Track type whole stalk model combine harvester for paddy (Tank Model)                      | 20  | 20.00 | 400.00  | 33 % or 4 lakhs which ever is lesser    |
| 5. | Track type whole stalk model combine harvester for paddy (Hopper Model / Bagging type)     | 10  | 14.00 | 140.00  | 33 % or 4 lakhs which ever is lesser    |
| 6. | Self propelled maize combine harvester   | 10  | 16.00 | 160.00  | 33 % or 4 lakhs which ever is less      |
| 7. | Power Tiller with attachment   | 200 | 1.40  | 280.00  | 33 % or 0.45 lakhs whichever is less    |
|    | Total  |     |       | 1761.00 |   |
|    | Total budget after allowing subsidy  |     |       | 502.00  | 502.00                                  |

|    |  |                     |             |        |  |
|----|--|---------------------|-------------|--------|--|
| C  | Gender friendly and manual implements for distribution to the farmers with 50 % subsidy  |                     |             |        |  |
| 1. | Manually operated equipments (gender friendly) like drum seeder, paddy weeder, dry land weeder, fertilizer broad caster, coconut tree climber, sieves, graders, decorticators, etc | 1100                | 0.08        | 88.00  | These are manual and gender friendly and hence 50 % subsidy is allowed |
| 2. | Trays for raising rice nursery to be used for mechanized rice transplanting @ 200 trays / ha for 900 ha @ Rs. 90 per tray  | 900 ha (180000 nos) | 0.18 per ha | 162.00 |  |
|    | Total  |                     |             | 250.00 |  |
|    | Total budget with 50 % subsidy   |                     |             | 125.00 | 125.00   |

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ANNEXURE – IV

Capacity building for stalk holders for promotion of farm mechanization

|        |  | Rs. in Lakhs |
|--------|--|--------------|
| S. No. | Particulars  | Amount       |
| 1      | Imparting training to the officials and field staff of AED<br>( 200 persons @ 20 persons per batch for 10 batches)<br>@ Rs.42,000/- per batch  | 4.20         |
| 2      | Imparting training on the manufacturing and production of farm implements and machines to the rural artisans<br>( 100 persons @ 10 persons per batch in 10 batches )<br>@ Rs. 23,500 per batch   | 2.35         |
| 3      | Imparting training on the operation, repair and maintenance of farm implements and machinery to the personnell from service centres, farmers, SHG etc., ( 400 persons @ 20 persons per batch in 20 batches<br>@ Rs.35,000 per batch        | 7.00         |
| 4      | Quality check on the supply of implements, inspection to manufacturing establishment, raw materials, course materials, hiring contractual help and training aids, strengthening the training facilities, hardwares, travel expenses, etc., | 6.00         |
|        | Total  | 19.55        |

ANNEXURE – V

Department of Agricultural Engineering

|  |                             |                       |                       |
|--|-----------------------------|-----------------------|-----------------------|
| 2402 – 00 – Soil and Water Conservation – 102 Soil Conservation Schemes in the Eleventh Five Year Plan – II State Plan – JZ – National Agriculture Development Programme (NADP-RKVY) – Agricultural Engineering Department |                             |                       | Budget (Rupees lakhs) |
| Detailed head  | Sub detailed                | DPC                   |                       |
| 11 subsidies   | 01 Individual Based subsidy | (2402 00 102 JZ 1111) | 2558.50               |

Tamil Nadu Agricultural University

|   |                                |                            |                       |
|---|--------------------------------|----------------------------|-----------------------|
| 2415 – Agricultural Research and Education - 01-Crop Husbandry – 120 – Assistance to other Institutions – Schemes in the Eleventh Five year Plan – II State Plan – JD – Grants to Tamil Nadu Agricultural University – Schemes under National Agriculture Development Programme (NADP-RKVY) |                                |                            | Budget (Rupees lakhs) |
| Detailed head   | Sub detailed                   | DPC                        |                       |
| 09 –Grants-in-aid   | 03 Grants for Specific Schemes | (DPC 2415- 01-120-JD-0934) | 19.55                 |

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