



ABSTRACT

Agriculture – Agricultural Engineering – Central Assistance under Sub Mission on Agricultural Mechanization - Financial sanction for an amount of Rs.1080.00 Lakhs for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 – Orders – Issued.

Agriculture (A.E.1) Department

G.O.(Ms) No.35.

Dated 18.02.2015.

Read :

1. Announcement made by Hon'ble Chief Minister of Tamil Nadu on the floor of the Assembly under Rule 110 on 07.08.2014.
 2. Government of India, Ministry of Agriculture, Department of Agriculture and Co-operation, M&T Division, New Delhi, Letter No. 3-4/2014-M&T (I&P), dated 02.01.2015.
 3. Government of India, Ministry of Agriculture, Department of Agriculture and Co-operation, M&T Division, New Delhi, Letter No. 3-4/2014-M&T (I&P), dated 08.01.2015.
 4. Government of India, Ministry of Agriculture, Department of Agriculture and Co-operation, M&T Division, New Delhi, Letter No. 3-4/2014-M&T (I&P), dated 03.02.2015.
 5. From the Chief Engineer (Agricultural Engineering) Letter No. AM1/14821/2014, dated 04.02.2015.
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ORDER:-

In the letters 2nd, 3rd and 4th read above, the Government of India has released an amount of Rs.632.81 Lakhs, Rs.8.44 Lakhs and Rs.202.50 Lakhs as first installment out of the sanctioned amount of Rs.843.75 Lakhs, which is the central share for general category farmers, tribal area sub plan farmers and special component plan for scheduled caste farmers respectively.

2. In the letter 5th read above, the Chief Engineer (Agricultural Engineering) has sent the proposal on "Sub Mission on Agricultural Mechanization" for the year 2014-15 as detailed below:-

1. Strengthening of designated State Agricultural Universities (SAUs) for undertaking testing of agricultural equipment- Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamilnadu Agricultural University, Kumulur, Trichy District.

The Dean, Agricultural Engineering College and Research Institute (AEC&RI), Tamil Nadu Agricultural University, Kumulur, Trichy District has submitted the proposal on "Establishment of Farm Machinery Testing Centre" with a budget requirement of Rs.150.00 Lakhs under Sub Mission on Agricultural Mechanization for approval with the following list of machinery and equipments / instruments required for the testing of various agricultural machinery and implements.

i). Prime Movers			
S. No.	Particulars	Quantity	Approx. Cost (Rs.)
1.	Tractor 35-40 hp	1 no.	4,50,000
2.	Tractor more than 50 hp	1 no.	6,50,000
3.	Power tiller (10-15 hp)	1 no.	1,60,000
4.	Electric motor (7.5 hp)	2 nos.	28,000
Total			12,88,000
ii). Instrumentation			
5.	Dynamometer (5 kW) for testing of engine of self-propelled machines	2	14,50,000
6.	Set of meteorological instrument such as		
	Digital vernier caliper (Range: 0-300 mm)	4	14,000
	Micrometer (different range)	4	20,000
	Bore gauge (different range)	4	40,000
	Spirit level	2	500
	Abney level	2	200
7.	Measuring instrument such as		
	Stop watch	2	10,000
	Barometer	2	2,000
	Hygrometer	2	3,000
	Tachometer (Contact type 0 to 10000 rpm) (Non contact type 0 to 10000 rpm)	2	25,000

8.	Equipment for material testing such as		
	Hardness testing machine (Brinell & Rockwell)	1	3,50,000
9.	Equipment for mass measurement		
	Digital electronic balance (1kg)	2	60,000
	Platform type balance (200 kg)	1	20,000
	Spring balance (0-10 kg, 0-20 kg,0-50 kg)	1 each	1,000
10.	Moisture measuring instruments		
	Hot air oven	1	1,20,000
	TDR and Digital soil moisture meter	2	4,00,000
	Grain moisture meter (0-50%)	2	50,000
11.	Equipment for pull measurement		
	Dynamometer – spring type (0-1000 kg)	2	2,00,000
	Digital load cell with indicator (2 ton)	2	4,00,000
12.	Volume fuel consumption measurement		
	Measuring jar set	1 set	1,00,000
13.	Soil testing equipment		
	Bulk density apparatus	2	20,000
	Speedy soil moisture meter	2	50,000
	Cone penetrometer (digital recording type)	2	3,00,000
	ISI soil test sieves	1 set	1,00,000
14.	Soil bin (One Rectangular bin and one Circular bin)	Each one	5,00,000
15.	Workshop and Service tools		
	Platform type jack (500 kg)	2	1,00,000
	Flat bed trolley (1000 kg)	2	4,00,000
	Air compressor	2	1,20,000
	Tool kits (spanner, special repair tools, grease guns, torque wrench, etc)	2 sets	1,00,000
16.	Engine test rig including exhaust gas analyzer	1	10,00,000
17.	Center of gravity test set up (Tilting platform track)	1 set	10,00,000
18.	Automotive Diesel Gen set (25 KVA)	1	3,00,000
19.	Data logger, computer with scanner, printer	1 set	1,50,000
20.	Computerized Brake performance Test Equipment	1 set	13,50,000

21.	Test set up for component testing (a) Radiator, fuel tank, clutch, gear box etc., (b)Electrical components	1 set	20,00,000
22.	Three co-ordinate measuring system	1 set	10,00,000
23.	Automatic Broomer	1	2,00,000
24.	Motorized Dyno.Bench	1	15,00,000
25.	Four axis crane electronically operated	1	2,50,000
Total			1,37,05,700
Grand Total			1,49,93,700
or			1,50,00,000

Since the Government of India has restricted the fund allocation from Rs.150.00 Lakhs to Rs.135.00 Lakhs, the Chief Engineer (AE), Agricultural Engineering Department, Chennai may be authorized to draw and disburse an amount of Rs.135.00 Lakhs in the form of Demand Draft payable to the Comptroller, Tamil Nadu Agricultural University, Coimbatore towards the purchase of equipments/ instruments needed on priority basis as mentioned in the above Table for the "Establishment of Farm Machinery Testing Centre" at Agricultural Engineering College and Research Institute, Tamilnadu Agricultural University, Kumulur, Trichy District.

2. Financial Assistance for procurement of Agricultural Machinery and Equipment

Since the Tractors are not covered under National Agricultural Development Programme - Agricultural Mechanization Programme to the individual farmers, it is proposed to distribute 10 Nos of Tractors (8 to 15 PTO HP and 15 to 20 PTO HP) for an amount of Rs 10.00 Lakhs for Schedule Tribe farmers and 80 Nos. of Tractors (8 to 15 PTO HP and 15 to 20 PTO HP) for an amount of Rs.80.00 Lakhs for scheduled caste farmers with the subsidy assistance of Rs.1.00 Lakh.

It is also proposed to distribute Tractors (above 20-40 PTO HP and above 40-70 PTO HP) of 11 Nos. for an amount of Rs.13.75 Lakhs for general category farmers, 152 Nos. for an amount of Rs.190.00 Lakhs for scheduled caste farmers and 1 No. for an amount of Rs.1.25 Lakhs for Scheduled Tribe farmer under subsidized programme with the subsidy assistance of Rs.1.25 Lakhs to Small, Marginal, SC, ST and Women farmers and Rs.1.00 Lakh for other farmers.

3. Establishment of farm Machinery Banks for Custom Hiring (Upto Rs.25.00 Lakhs)

As per the announcement made by the Hon'ble Chief Minister of Tamil Nadu on the floor of the Assembly under Rule 110 on 7-8-2014 for the formation of 385 Nos. of Custom Hiring cum Service Centres in all 385 Panchayat Unions, the scheme proposal on "Establishment of Farm Machinery Banks for Custom Hiring" is furnished as follows;

It is proposed to establish 385 Custom Hiring cum Service Centres in all 385 Panchayat Unions by providing the required agricultural machinery on subsidy basis. The agricultural machinery will be hired out to the needy farmers for taking up all agricultural operations especially preparatory and intercultural operations in time.

Based on the announcement, during the first phase, it is proposed to establish Block level Custom Hiring Cum Service Centres in 85 blocks with complete set of crop specific farm machineries at a cost of Rs.21.25 Crores. The project cost per custom Hiring Centre will be Rs.25.00 Lakhs. The scheme will be implemented under Sub Mission on Agricultural Mechanization Scheme with the subsidy assistance of 40% of the total unit cost (or) a maximum amount of Rs.10.00 Lakhs per centre and the 60% balance amount of Rs.15.00 Lakhs per centre will be the beneficiary group contribution. The tentative list of 85 blocks proposed is furnished below;

S.No	District Name	No. of Blocks	S.No	District Name	No. of Blocks
1	Kanchipuram	1	16	Perambalur	1
2	Tiruvallur	1	17	Pudukkottai	1
3	Cuddalore	5	18	Madurai	1
4	Villupuram	1	19	Theni	1
5	Tiruvannamalai	16	20	Dindigul	1
6	Salem	1	21	Ramanathapuram	1
7	Namakkal	1	22	Virudhunagar	1
8	Dharmapuri	1	23	Sivagangai	1
9	Erode	1	24	Tirunelveli	1
10	Coimbatore	1	25	Thoothukkudi	1
11	Thanjavur	14	26	Kanniyakumari	1
12	Nagapattinam	11	27	Krishnagiri	1
13	Tiruvarur	10	28	Ariyalur	2
14	Tiruchirappalli	5	29	Tiruppur	1
15	Karur	1		Total	85

The proposed Custom Hiring Centres will be run by any one of the following group viz., (1) Farm Woman Empowerment Group, (2) NABARD assisted Farmers Club, (3) Progressive Farmers Group, (4) Individual Entrepreneurs etc. These Custom Hiring Cum Service Centers will be supported and monitored by the Agricultural Engineering Department. The list of Agricultural Machinery and Implement required for each block will be based on cropping pattern and availability of existing Agricultural Machinery in the individual blocks. The Custom Hiring Centres consist of the following type of commonly used Agricultural Machinery:-

- (1) Traction units (Tractors, Power tillers etc.,)
- (2) Self propelled Machinery (Paddy Transplanters, Multicrop Threshers etc.,)
- (3) Plant Protection Machinery (Sprayers, Mist Blowers etc.,)
- (4) Crop specific (Paddy, pulses, Horticultural crops etc) and Intercultural operations (Weeders etc.,) machinery.

As a first step, the scheme will be implemented in 65 blocks on priority basis for which necessary subsidy available under Sub Mission on Agricultural Mechanization is Rs.650.00 Lakhs.

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|---|----------------------|
| (1) Cost per Custom Hiring Centre | : Rs.25.00 Lakhs. |
| (2) Total cost for 65 Custom Hiring Centres | : Rs. 1625.00 Lakhs. |
| (3) Maximum Subsidy (Available under Sub Mission on Agricultural Mechanization) | : Rs.650.00 Lakhs. |
| (4) Farmers Group Contribution | : Rs. 975.00 Lakhs. |

3. The above components namely, 1) Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamil Nadu Agricultural University, Kumulur, Trichy District; 2) Financial Assistance for procurement of Agricultural Machinery and Equipment; and 3) Establishment of farm Machinery Banks for Custom Hiring (Upto Rs.25.00 Lakhs) are implemented under the "Sub Mission on Agricultural Mechanization" during the year 2014-15 with the following pattern of assistance:-

Sl. No	Name of component	Release of first installment of central assistance for 2014-15 = Rs.843.75 Lakhs (Rs.632.81 Lakhs + Rs.8.44 Lakhs + Rs.202.50 Lakhs)				
		Physical (in Nos.)	Subsidy amount (Rs.in Lakhs)	Total subsidy amount proposed (Rs.in Lakhs)	Central share (Rs.in Lakhs)	State share (Rs.in Lakhs)
1	Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamilnadu Agricultural University, Kumulur, Trichy District	1 No.	135.00	135.00	135.00	0.00
2	Financial assistance for procurement of Agricultural machinery and equipment					
	a)Tractor (8 to 15 PTO HP and 15 to 20 PTO HP)	90 Nos.	1.00	90.00	67.50	22.50
	b) Tractor (Above 20 to 40 PTO HP and above 40 to 70 PTO HP)	164 Nos.	1.25	205.00	153.75	51.25
	Sub Total	254 Nos.		295.00	221.25	73.75
3	Establishment of farm Machinery Banks for Custom Hiring (Upto Rs.25.00 Lakhs)	65 Nos.	10.00	650.00	487.50	162.50
	Grand Total			1080.00	843.75	236.25

4. The Chief Engineer (Agricultural Engineering) has stated that it is proposed to allot Rs.798.75 Lakhs for general category farmers, Rs.11.25 Lakhs to scheduled tribe farmers and Rs.270.00 Lakhs for special component plan for scheduled caste farmers for various components under Sub Mission on Agricultural Mechanization as per the following Table:-

Sl. No.	Name of the component	Physical Target for General Category farmers (in Nos.)	Financial Target for General Category farmers (Rs.in Lakhs)	Physical target for SC category farmers (in Nos.)	Financial target for SC category farmers (Rs.in Lakhs)	Physical target for ST category farmers (in Nos.)	Financial target for ST category farmers (Rs.in Lakhs)	Grand Total	
								Physical (in Nos.)	Financial (Rs.in Lakhs)
1	Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamilnadu Agricultural University, Kumulur, Trichy District	1	135.00					1	135.00
2	Financial assistance for procurement of agricultural machinery and equipments								
	a) Tractor (8 to 15 PTO HP and 15 to 20 PTO HP)			80 Nos.	80.00	10 Nos.	10.00	90 Nos.	90.00
	b) Tractor (Above 20 to 40 PTO HP and above 40 to 70 PTO HP)	11 Nos.	13.75	152 Nos.	190.00	1 No.	1.25	164 Nos.	205.00
	Sub Total	11 Nos.	13.75	232 Nos.	270.00	11 Nos.	11.25	254 Nos.	295.00
3	Establishment of farm Machinery Banks for Custom Hiring (Upto Rs.25.00 Lakhs)	65 Nos.	650.00					65 Nos.	650.00
	Grand Total		798.75		270.00		11.25		1080.00

5. The Chief Engineer (Agricultural Engineering) has, therefore, requested the Government orders on the following:-

- i. Financial sanction may be accorded for an amount of Rs.1080.00 Lakhs with the budget provision and head of accounts towards the implementation of the scheme of "Sub Mission on Agricultural Mechanization" during the year 2014-15.
- ii. An amount of Rs.798.75 Lakhs may be allotted to the Agricultural Engineering Department for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India for general category farmers.
- iii. Since the Government of India has restricted the fund allocation from Rs.150.00 Lakhs to Rs.135.00 Lakhs for the Establishment of Farm Machinery Testing Centre, the Chief Engineer (AE), Agricultural Engineering Department, Chennai may be authorized to draw and disburse an amount of Rs.135.00 Lakhs out of the sanctioned amount of Rs.798.75 Lakhs for general category farmers, in the form of Demand Draft payable to the Comptroller, Tamilnadu Agricultural University, Coimbatore towards the purchase of equipments/ instruments needed on priority basis for the Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamilnadu Agricultural University, Kumulur, Trichy District.
- iv. Also, an amount of Rs.270.00 Lakhs may be allotted to the Agricultural Engineering Department for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India for the special component plan for scheduled caste farmers.
- v. Also, an amount of Rs.11.25 Lakhs may be allotted to the Agricultural Engineering Department for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India with the new Head of Account for the tribal area sub plan farmers.

6. The Government, after careful examination have decided to accept the proposal of the Chief Engineer (Agricultural Engineering) and accord Financial sanction for a sum of Rs.1080.00 Lakhs (Rupees Ten Crores and Eighty Lakhs only) for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India as detailed below:-

(i) The Government permit the Chief Engineer (Agricultural Engineering) to incur an expenditure of Rs.798.75 Lakhs for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India for general category farmers.

(ii) The Government also permit and authorize the Chief Engineer (Agricultural Engineering) to draw and disburse an amount of Rs.135.00 Lakhs, out of Rs.798.75 lakhs authorized in para 6 (i) above, in the form of Demand Draft payable to the Comptroller, Tamil Nadu Agricultural University, Coimbatore towards the purchase of equipments/ instruments needed on priority basis for the Establishment of Farm Machinery Testing Centre at Agricultural Engineering College and Research Institute (AEC&RI), Tamil Nadu Agricultural University, Kumulur, Trichy District.

(iii) The Government further permit the Chief Engineer (Agricultural Engineering) to incur an expenditure of Rs.270.00 Lakhs for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India for the special component plan for scheduled caste farmers.

(iv) The Government also permit the Chief Engineer (Agricultural Engineering) to incur an expenditure of Rs.11.25 Lakhs for the implementation of Sub Mission on Agricultural Mechanization during the year 2014-15 as per the Sub Mission on Agricultural Mechanization guidelines issued by Government of India with the new Head of Account for the tribal area sub plan farmers as detailed in para 7 below.

7. The expenditure sanctioned at para 6 above shall be debited under the head of accounts as detailed below:-

For general category farmers - Rs.798.75 Lakhs

"2401-00- Crop Husbandry-113. Agricultural Engineering-Schemes in the Twelfth Five Year Plan-VI. Schemes shared between state and centre. UB-Sub Mission on Agricultural Mechanization-11-Subsidies- 01-Individual based subsidy
(DPC:2401-00-113-UB-11-16)"

For Special Component Plan for Scheduled Castes farmers –Rs.270.00 Lakhs

"2401-00-Crop Husbandry- 789- Special Component Plan for Scheduled Castes-Schemes in the Twelfth Five Year Plan-VI. Schemes shared between state and centre. UJ-Sub Mission on Agricultural Mechanization-11-Subsidies- 01- Individual based subsidy
(DPC:2401-00-789-UJ-11-19)"

For Tribal area sub plan farmers – Rs.11.25 Lakhs

"2401-00- Crop Husbandry- 796- Tribal Area Sub Plan- Schemes in the Twelfth Five Year Plan-VI - Schemes shared between state and centre - UG-Sub Mission on Agricultural Mechanization-11-Subsidies- 01- Individual based subsidy
(DPC:2401-00-796-UG-11-10)"

8. The Chief Engineer (Agricultural Engineering) is the Estimating, Reconciling and Controlling authority of the above new Head of Account. The Pay and Accounts Officers / Treasury Officers are requested to open the new Head of Account in their books.

9. Necessary additional funds of Rs.1080.00 Lakhs will be provided in Final Modified Appropriation 2014-15 under the relevant head of accounts. However this expenditure shall be brought to the notice of the legislature by specific inclusion in Final Supplementary Estimate 2014-15. Pending provision of such funds, the Chief Engineer (Agricultural Engineering) is authorized to draw and disburse the amount sanctioned in para 6 above. He is also requested to include this expenditure while sending Final Modified Appropriation 2014-15 and also to send necessary Explanatory Notes for including the above expenditure in the Supplementary Estimate 2014-15 to Finance (BG-I / Agri) Department without fail.

10. The Chief Engineer (Agricultural Engineering) is directed to send the monthly, quarterly and annual progress reports on the Physical and Financial achievement of the scheme regularly to Government.

11. This order issues with the concurrence of Finance Department vide its U.O.No.9903/Agri/2015, Dated 18.02.2015 and Additional Sanction Ledger No.2511 (Two thousand five hundred and eleven).

//By Order of the Governor//

RAJESH LAKHONI
AGRICULTURAL PRODUCTION COMMISSIONER
AND SECRETARY TO GOVERNMENT

To

The Chief Engineer (Agricultural Engineering), Nandanam, Chennai-35.
The Comptroller, Tamil Nadu Agricultural University, Coimbatore -641 003.
The Dean, Agricultural Engineering College and Research Institute
Tamil Nadu Agricultural University, Kumulur, Trichy District – 621 712.
The Director of Agriculture, Chennai-5.
The Director of Horticulture and Plantation Crops, Chennai-5.
The Secretary to Government of India, Ministry of Agriculture,
Department of Agriculture and Co-operation, M&T Division, New Delhi 110 001.
The Pay and Accounts Officer (South), Chennai-35.
The Treasury Officers /Sub Treasury Officers concerned.
The Principal Accountant General (G&SSA), Chennai-18.
The Principal Accountant General (E&RSA), Chennai-18.
The Commissioner of Treasury and Accounts, Chennai-15.

Copy to:

The Finance(Agri/BGI/BGII) Department, Chennai – 9.
The Hon'ble Chief Minister's Office, Chennai-9.
The Special Personal Assistant to Hon'ble Minister for Agriculture, Chennai-9.
The Agriculture (B&P)/(AP1) Department, Chennai-9.
The Principal Private Secretary to Agricultural Production Commissioner
and Secretary to Government, Agriculture Department, Chennai-9.
The connected file (C.No.31419/AE.1/2014)
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Section Officer,
18/2/15