

AGRICULTURAL ENGINEERING DEPARTMENT

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In Tiruvarur District Two AED – Sub Divisions at Revenue Division level at Tiruvarur and Mannargudi & One Agrl. Implements Workshop functioning under the control of Executive Engineer(AE), Tiruvarur

Executive Engineer(AED), Tiruvarur (Pavithramanickam) 04366 241577		
Asst. Exe. Engineer(AED), Tiruvarur (Pavithramanickam)	Asst. Exe. Engineer(AED), Mannargudi (Anthoniar Koil Street)	Asst. Exe. Engineer(AED), Agrl. Implements Workshop, Tiruvarur (Pavithramanickam)
Scheme Works Implementation (Land Development Scheme, Minor Irrigation Scheme, Run-Off Management (Formation of Farm Ponds), Distribution of Agricultural Machineries under SMAM and NADP Schemes		MOH and TOH works as per the Sheduled Maintenance Programme and Repair works for all AED machineries of Thanjavur Region

The Department is fully focused on Land Development, Minor Irrigation, Farm Mechanization and Soil and Water Conservation activities, to help farming community to Sustainable increase in agricultural production.

TARGET & ACHIEVEMENT DETAILS 2014-15

DIVISION:EXECUTIVE ENGINEER(AE), TIRUVARUR

Sl. No.	Name of the Scheme	Units	Physical		Financial		
			Annual Target	Achievement	Annual Target	Achievement	
1	LAND DEVELOPMENT						No Financial Target
	a.Land Levelling(Bulldozers)	2 Nos.	Hrs.	2200	2070		
	b.Mech.Cultivation(Tractors)	20 Nos	Hrs.	21800	15710		
	c.Combined Harvestors	6 Nos	Hrs.	6600	1492		
	d. Paddy Transplanters	2 Nos	Hrs.	2000	172		
2	MINOR IRRIGATION						No Financial Target
	a.Rotary Drill	5 Nos	Wells	80	121		
			Meter	7300	14868		
	b.Mini Drill	3 Nos	Wells	24	25		
			Meter	1000	1012		
	Total		Wells	104	146		
		Meter	8300	15880			
3	SMAM - AGRL. MECHANISATION PROGRAMME -2014-15 (2401-00-789-UJ-1119)						
	(Tractors) Above 20 HP	Nos	24	24	30.00	30.00	
	(Tractors) Upto 20 HP	Nos	5	5	5.00	4.93	
	Total	Nos	29	29	35.00	34.93	
	SMAM - AGRL. MECHANISATION PROGRAMME -2014-15 (2401-00-113-UB-1116)						
	Custom Hiring Centres	Nos.	--	1	--	9.56	
4	NATIONAL AGRICULTURAL DEVELOPMENT PROGRAMME (2402-00-102-JZ-1111)						
		Nos	205	205	128.55	128.55	
5	NATIONAL AGRICULTURAL DEVELOPMENT PROGRAMME SC(2402-00-789-JC-1113)						
		Nos	44	55	33.06	33.05	
6	DEMONSTRATION (2401-00-113-SA-0835)						
		Nos.	16	16	0.93	0.93	
7	POST HARVESTER TECHNOLOGY DEMONSTRATIONS						
	General Category	Nos	5	5	0.15	0.15	
	Special Component	Nos	1	1	0.03	0.03	
8	SOLAR PUMPSETS INSTALLATION (FIXED TYPE)						
		Nos.	60	43	148.43	106.38	

(EachRs.247390(50% subsidy Rs.190300 + 15% NMRE subsidy Rs.57090) released for installed 43 Solar systems)

Note: Certificate awarded by CE for State Level Best Performance by Bulldozer – B50-83 -138% Ach.

Certificate awarded for State Level Best Performance by Power Drills – 1st, 2nd and 3rd Ranks

1st – RDPW – 149 - 357 % Ach.

2nd – RDLP – 149 - 294 % Ach.

3rd- RDUB - 047 - 261 % Ach.

Details of Schemes:-

1. Land Development Scheme:-

Objectives: - The department Bulldozers, Tractors Combine Harvesters and Paddy Transplanters are hired out to farmers at nominal rates for taking up land development activities in their fields

- To make irrigation and other farm operations efficient and easier, land leveling and land shaping are taken up in farmers lands and thereby to increase more area under cultivation and to increase food production
- To supplement the “Farm Power” requirements of farmers for taking up timely cultivation operation.

Details of Works:-

- Land Shaping
- Land Levelling
- Ploughing, Puddling
- Paddy Harvesting by Combine Harvester.
- And Paddy Transplantation by Paddy Transplanter .

Details of Units Available Under Land Development Scheme

Sl. No.	Name of Machinery	No. of Machineries Available			Hire Charges in Rs./Per Hr.
		In Tiruvarur Sub Division	In Mannargudi Sub Division	Total	From 01.01.2015
1	Bulldozer	01	01	02	840
2	Tractor	10	04	14	340
3	Track Type Combine Harvester	02	02	04	1415
4	Combine Harvester (Wheel type)	01	01	02	875
5	Paddy Transplanter	02	0	02	1025

Note: The hire charges are subject to change based on the market rate of the diesel.

Last five year achievement details for Land Development Machineries.

S.No.	Year	Target (in hrs.)	achievement (in hrs.)	Area Covered (in hec.)	Hire chares earned (Rs. in lakhs)	Remarks
Bull dozer						
1	2009-10	2200	1980	--	13.27	
2	2010-11	2200	2237	-	15.96	
3	2011-12	2200	2239	--	16.64	
4	2012-13	2200	2222	--	17.23	
5	2013-14	2200	1782	--	16.21	
6	2014-15	2200	2070	--	18.94	
Tractor						
1	2009-10	16600	14167	5667	37.11	
2	2010-11	16600	14771	5908	41.68	
3	2011-12	16600	17061	6824	50.52	
4	2012-13	19000	19952	7980	61.41	
5	2013-14	23800	17627	3526	65.21	
6	2014-15	21800	15710	3420	59.24	
Harvester						
1	2009-10	1200	902	361	7.49	
2	2010-11	2600	2603	1041	22.29	
3	2011-12	4180	3807	1523	29.18	
4	2012-13	5500	2400	960	21.10	
5	2013-14	5720	1808	723	12.34	
6	2014-15	6600	1492	597	20.40	

2. Minor Irrigation Scheme.

Objectives: - Under Minor Irrigation sector, the department Rotary Drills, Mini Drills and Hand Boring Sets are hired out to farmers at nominal rates for taking up minor irrigation activities in their fields.

To bring new areas under irrigation by creating additional irrigation facilities.

- To stabilize the areas already under irrigation
- Promoting conjunctive use of surface water and ground water by harnessing ground water resources
- To help farmers in locating suitable site through Geo-physical survey for sinking of tube wells.

Details of Works:-

- Selection of sites for construction of Tube wells.
- Construction of tube wells in alluvial soil.

Details of Units Available Under Minor Irrigation Scheme

Sl. No.	Name of the Machinery	No. of machineries available			Hire Charges in Rs./Per Hr.	
		In Tiruvarur sub division	In Mannargudi sub division	Total	dia of borewell	Rate per metre.
1..	Rotary Drill 8" (200 mm) dia	0	08	08	6"	120
					8"	130
2..	Mini Drill 6" dia (150 mm) 8" dia (200 mm)	01	01	02	6"	60
					8"	70

Last five year achievement details under minor Irrigation.

S. No	Year	Target (in metres)	Achievement (in metres)	No. of Bore wells connected	benefited area (in Hec)	Hire charges earned (Rs. in lakhs)	Remarks
Rotary drill							
1	2009-10	4000	8547	102	204	11.11	
2	2010-11	4000	9805	108	216	12.74	
3	2011-12	4000	8833	84	168	11.46	
4	2012-13	4990	16183	148	326	21.22	
5	2013-14	7300	17520	145	295	22.77	
6	2014-15	7300	14868	121	246	19.33	

Mini drill							
1	2009-10	2000	1712	51	102	1.02	
2	2010-11	1500	1603	40	80	0.96	
3	2011-12	1500	1507	37	74	0.91	
4	2012-13	1500	1504	41	72	0.90	
5	2013-14	1500	1246	29	58	0.74	
6	2014-15	1000	1012	25	50	0.61	

3. PROVISION OF SOLAR POWERED PUMPING SYSTEMS WITH SUBMERSIBLE PUMPS WITH GOVERNMENT SUBSIDY

S. No.	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
3.	PROVISION OF SOLAR POWERED PUMPING SYSTEMS WITH SUBMERSIBLE PUMPS WITH GOVERNMENT SUBSIDY	1. To overcome the power deficiency in our state by providing solar powered pump sets to the needy farmers. 2. To increase the food production and reduce the exploitation of ground water with the Solar powered pump set.	Erecting solar panels and other necessary fittings for a total capacity of 5HP motor pumpset.	All farmers	Total Cost -Rs.380600 80% subsidy - Rs.304480 (50%NADP Subsidy - Rs.190300 30%NMRE Subsidy - Rs.104180) Farmer Share 20% - Rs. 76120 Tax - Rs. 19222 ----- Farmer's Total Rs. 95342 Contribution -----

Solar Systems installed for 60 Beneficiaries with subsidy cost of Rs.182.688 Lakhs.

4.Agricultural Mechanization Programme

Objectives:-

- Generally to increase production two times and profit by three times
- promote mechanization in agriculture
- To popularise the Agricultural Machinery / implements among the farmers
- To meet out the shortage of agricultural labourers and to bridge the gap between the farm labours and Agricultural activities
- To ensure timeliness in carrying out farm operations
- To supplement the available farm power

Details of Works:- Subsidy assistance is provided to farmers for purchasing Agricultural Machinery and implements such as Tractors, Power Tillers and Rotavators etc.,

Eligibility:- All farmers

Last five target and achievement under Agricultural Mechanisation Programme

S.No	Year	Target		achievements		Remarks
		Nos.	Finance (in lakhs)	Nos.	Finance (in lakhs)	
1	2009-10	147	65.40	147	65.40	
2	2010-11	524	234.50	524	234.50	
3	2011-12	139	61.55	137	60.62	
4	2012-13	106	47.20	94	42.30	
5	2013-14	19	7.30	19	7.30	
6	2014-15	29	35.00	29	35.00	SMAM

5.National Agriculture Development Programme : Agricultural Mechanisation

S. No.	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
5	National Agriculture Development Programme	To achieve 4% annual growth in the agriculture sector during XI Plan period by ensuring a holistic development of Agriculture and allied sectors.	Providing subsidy assistance to farmers for the purchase of Agricultural Machinery/ implements and Gender friendly equipments.	All farmers	Distribution of farm implements /machinery at 50% subsidy assistance to farmers for the purchase of Agricultural Machinery / implements and gender friendly equipments subject to the ceiling limit prescribed for each implement.

Last five year achievements under National Agricultural development programme.

S. No	Year	Target		Achievement	
		Phy. in Nos.	Finance (in Rs. Lakhs)	Phy. in Nos.	Finance (in Rs. Lakhs)
1	2009-10	539	225.99	1176	225.99
2	2010-11	795	535.85	802	441.78
3	2011-12	169	151.64	315	151.64
4	2012-13	546	350.55	1127	350.48
5	2013-14	387	230.39	387	230.39
6	2014-15	260	161.60	260	161.60

6. Demonstration of Agricultural Machinery and Implements

S. No	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
6	Demonstration of Agricultural Machinery and Implements	To popularize the newly developed Agricultural Machinery and implements among the farmers	Demonstrations of Agricultural Implements / Machinery are taken up in the Farmers' Fields.	The Demonstration Field will be selected in consultation with sister departments and progressive farmers	100 % cost of demonstration at selected farmers field.

Last five year Target and achievements under Demonstration

S.No	Year	Target		Achievement	
		Phy. in Nos.	Finance (Rs. in lakhs)	Phy. in Nos.	Finance (Rs. in lakhs)
1	2009-10	25	0.495	25	0.493
2	2010-11	16	0.480	16	0.480
3	2011-12	0	0	0	0
4	2012-13	24	0.720	24	0.720
5	2013-14	18	0.54	18	0.54
6	2014-15	37	1.11	37	1.11

7. Rain Water Harvesting and Runoff Management Programme

Sl. No .	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
7.	Rain Water Harvesting and Runoff Management Programme	1. To harvest rain water for ground water recharge 2. To increase the soil moisture regime of the watersheds 3. To prevent soil erosion 4. To provide supplementary irrigation	Formation of Farm Ponds	All the farmers in the selected watersheds in the respective district.	Works in patta lands are taken up with 90 % grant and the remaining 10% is collected as beneficiary share (it is 5% in case of SC/ST) in the form of Cash / labour / material.

Last five year Target and achievements under Rain water harvesting Scheme

S.No	Year	Target		Achievements	
		Phy.in Nos.	Finance (in Rs. Lakhs)	Phy.in Nos.	Finance (in Rs. Lakhs)
1	2007-08	188	82.74	194	82.74
2	2008-09	160	80.00	162	80.27
3	2009-10	26	14.00	26	14.00
4	2010-11	28	14.00	28	14.00
5	2011-12	45	27.00	54	27.00
6	2012-13	25	15.00	25	15.00

8. Establishment of Custom Hiring Centres under SMAM :

S. No	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
8	Establishment of Custom Hiring Centres under SMAM	To supply farm machineries to farmer groups for hiring to the farmers with reasonable hirecharges for the benefit of farmers at Block level	Supply of farm machineries to farmer groups for hiring to the farmers for the benefit of farmers at Block level	Farmer Groups Water User Associations Self Help Groups Rural Unemployed youths (Agri/Agri.Engg Graduates) Entrepreneur	Total Cost Rs.25.00 Lakhs 40 % subsidy Rs.10 Lakhs

In 2014-15 One Custom Hiring Centre was established in T.T.Poondi Block with machineries total cost of Rs.25.99 Lakhs including Government subsidy Rs. 9.56 Lakhs. During 2015-16 programmed for establishment of 9 Custom Hiring Centres in all other Blocks of Tiruvarur District.

9.Training to Farmers in handling and maintenance of Agricultural machinery

S.No.	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
9	Training to Farmers in handling and maintenance of Agricultural machinery	1.To impart training to farmers and rural youth in handling and maintenance of agricultural machinery. 2.To improve the quality of manpower engaged in the field of Agricultural Mechanisation 3.To accelerate the pace of Agricultural Mechanisation in the State	Refresher training programmes on handling and maintenance of newly developed agricultural machinery to farmers and rural youth are conducted.	All farmers and rural unemployed youth between the age group of 18 to 35	DA /TA will be provided for the selected farmer / rural unemployed youths

10. Formation of farmers Group including package of Machinery and Training on Operation and Maintenance of Farm Machineries under NADP

Sl.No.	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
10.	Formation of farmers Group including package of Machinery and Training on Operation and Maintenance of Farm Machineries under NADP	To supply farm machineries and to impart training to farmers in handling and maintenance of agricultural machinery. To improve the quality of manpower engaged in the field of Agricultural Mechanisation To accelerate the pace of Agricultural Mechanisation in the State	Supply of farm machineries and to impart Refresher training programmes on handling and maintenance of newly developed agricultural machinery to farmers conducted	All farmers	100% subsidy

One NADP Farmer Group formed in 2012-13 and 2nd NADP Farmer Group formed in 2013-14

11. Kuruvai 2014 package to delta district farmers under NADP 2014-15

S.No.	Name of Scheme	Objectives	Details of Works	Eligibility	Subsidy
11.	Kuruvai 2014 package to delta district farmers under NADP 2014-15	<ol style="list-style-type: none"> To encourage the delta farmers to bring more area under kuruvai cultivation by giving assistance for the supply of HDPE pipes . To ensure timely paddy transplanting and weeding operations to overcome the labour shortage. To increase the agriculture production and productivity. 	<ul style="list-style-type: none"> ➤ To encourage the delta farmers to bring more area under kuruvai cultivation by giving assistance for the supply of HDPE pipes to eliminate the conveyance loss of water. ➤ To ensure timely paddy transplanting and weeding operations by providing assistance to farmers registered groups each one transplanter and one power weeder under full subsidy, to overcome the labour shortage. 	All farmers	100% subsidy.

KURUVAI SPECIAL PACKAGE 2014 PIPES AND MACHINERIES SUPPLIED DETAILS

Sl. No.	Description	Quantity Supplied		Cost
		in Units	in Nos	Rs. in Lakhs
1	HDPE pipe Rs.20000/Unit	2100	63000	420.00
2	Power Weeder Rs.30000/Unit	50	50	15.00
3	Transplanter Rs. 200000/Unit	50	50	100.00
Total				535.00

வேளாண்மை இயந்திரங்கள் அரசு மானியத்துடன் பெற்றிட கோரும் விண்ணப்பம்

01. விவசாயியின் பெயர் :
02. தந்தை/கணவர் பெயர் :
03. முகவரி :
04. விவசாயியின் வகை (உரிய சான்றிதழ் இணைக்கப்பட வேண்டும்) : சிறு/குறு/மகளிர்/இந்து ஆதிதிராவிடர்/பழங்குடி/இதர விவசாயி.
05. நிலத்தின் விவரம் :
1. சர்வே எண் :
 2. கிராமம் :
 3. ஊராட்சி ஒன்றியம் :
 4. வட்டம் :
 5. சாகுபடி செய்யும் பயிர் :
06. சொந்தமான மொத்த நிலப்பரப்பு :
07. தேவைப்படும் இயந்திரம் : 1. உழவை (Tractor)
2. விசை உழவை(Power Tiller with Rotary)
3. கதிரடிக்கும் கருவி (Thrasher)
08. தயாரிப்பு மற்றும் மாதிரி விவரம் (Make and Model) : 1.
2.
09. தேவைப்படும் இயந்திரம் வாங்கும் நிறுவனத்தின் பெயர் மற்றும் முகவரி :
10. மான்யம் அளிக்கப்படும் விகிதம் அறிந்து கொண்டேன் : ஆம்/இல்லை
11. கிராம நிர்வாக அலுவலர் சான்றிதழ் (சிட்டா மற்றும் அடங்கல் இணைக்கப்பட்டுள்ளது) : ஆம்/இல்லை
12. மான்யம் நிங்கலாக மீதித் தொகை செலுத்த தயாராக உள்ளேன் : ஆம்/இல்லை

சான்று:

மேலே கூறப்பட்டுள்ள விபரங்கள் யாவும் உண்மையானவை என்றும் எனக்கோ என் குடும்ப அங்கத்தினருக்கோ மேற்படி வாங்க இருக்கும் வேளாண் இயந்திரம் இதுவரை சொந்தமாக இல்லை என்றும் வேளாண்மை இயந்திரங்கள் மானியம் திட்டத்தில் மானியத்துடன் இதுவரை இயந்திரங்கள் வாங்கி பயன்பெறவில்லை என்றும் சான்றளிக்கிறேன்.

மேலும் தற்போது வாங்கும் இயந்திரத்தினை குறைந்தது இரண்டு வருடகாலத்திற்கு எனது சொந்த பொறுப்பில் வைத்து பயன்படுத்துவேன் என்றும் அதிகாரிகளின் ஆய்வுக்கு எந்த நேரத்திலும் காட்ட உறுதியளிப்பதுடன் தவறினால் மானியத் தொகையினை வட்டியுடன் ஒரே தவணையில் செலுத்த சம்மதிக்கிறேன்.

விண்ணப்பதாரின் கையொப்பம்