

### 3. AGRICULTURAL ENGINEERING

#### SCHEMES UNDER AGRICULTURAL ENGINEERING DEPARTMENT

SCHEME NO.1	
Name of Scheme	<b>Soil and Water Conservation in the catchments of River Valley Project</b>
Project Area	South Pennaiyar and Mettur Catchments in Vellore, Thiruvannamalai, Dharmapuri, Krishnagiri and Salem Districts.
Details of Works	<ul style="list-style-type: none"><li>❖ Contour bunding.</li><li>❖ Horticultural plantations</li><li>❖ Drainage line treatment</li><li>❖ Farm ponds</li><li>❖ Agro Forestry and Afforestation</li><li>❖ Silt Detention Structure</li></ul>
Benefits offered (Subsidy)	25% on cost of works in Patta Land is provided as subsidy and remaining 75% is treated as loan. The loan amount with interest is recovered in ten equal instalments after a moratorium of two years.
Eligibility	All the farmers whose lands are covered in the selected priority watersheds in the respective catchment are eligible.
Time-limit for Implementation	Works will be completed within the financial year in the selected watersheds.
Officer to be approached	Assistant Executive Engineer, River Valley Project , 210 C, Salem Main Road, Backside of Raghupathi Hospital, Krishnagiri-635 001.  Assistant Executive Engineer, River Valley Project , No.250, Thiru Vi.Ka.Nagar, Harur-636 903, Dharmapuri District.  Assistant Executive Engineer, River Valley Project -Unit-I, 4/494 (1) First Floor, Railway station Road , Dharmapuri -636 701.  Assistant Executive Engineer , River Valley Project – Unit II, Collectorate Complex, Dharmapuri -636 701.  Assistant Executive Engineer ,River Valley Project , 98 - Raja Ganapathy Nagar, Mettur –636 401, Salem District.  Assistant Executive Engineer ,River Valley Project , Sivagamiammal illam , Senthamil Nagar, Terkupet(Post), Chengam-606 709, Tiruvannamalai District.  Executive Engineer , RVP, Dharmapuri.  Superintending Engineer , A.E.D, Salem  Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.2**

Name of Scheme	<b>Agricultural Mechanisation Programme</b>
Project Area	All Districts (Except Chennai)
Details of Works	Subsidy assistance is provided to farmers for procuring Agricultural Machinery and implements such as Tractors, Power Tillers, Self propelled Paddy Transplanters, Self propelled paddy reapers, Rotavator, Cultivator, Disc Plough, Chisel Plough etc.,
Benefits offered (Subsidy)	25% of the cost of machinery / implements or the ceiling limit prescribed by Government of India for each machinery / implement, whichever is less.
Eligibility	All farmers
Time-limit for Implementation	Programme will be completed within the financial year.
Officer to be approached	Assistant Executive Engineer, AED in the Revenue Division. Executive Engineer, AED in the District. Superintending Engineer, AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.3**

Name of Scheme **Command Area Development and Water Management Programme**

Project Area

Sl. No.	Name of the Command	Districts Covered
<b>A</b>	<b>Ongoing Project Area</b>	
1.	Cauvery command	Thanjavur, Tiruvarur, Nagappattinam, Trichy and Cuddalore.
<b>B</b>	<b>New Project Areas</b>	
1.	Wellington Reservoir Project	Cuddalore
2.	Thirukoilur Anicut Project	Villupuram
3.	Kodiveri Anicut Project	Erode
4.	Gundar Chittar Karuppanadhi Reservoir Project / Gomuki Nadhi Reservoir Project	Tirunelveli / Villupuram
5.	Vaniyar Reservoir Project	Dharmapuri
6.	Ichambadi Anaicut Project	Dharmapuri

Details of Works

- ❖ Construction of field channels.
- ❖ Construction of Field drains.
- ❖ Rotational Water Supply Works
- ❖ Formation of Farmers Associations / Councils, etc.

Benefits offered (Subsidy)

The expenditure incurred under Command Area Development and Water Management Programme is shared between Centre and State with full grant. A minimum of 10% contribution by the beneficiaries for certain work component is mandatory. Further Rs. 540/- per ha. subsidy is provided for registered Farmers Council and Rs.60/- per ha. is collected from the farmers council as their contribution.

Eligibility

All the farmers whose lands are covered in the selected Command area in the programme are eligible for subsidy.

Time-limit for Implementation

After selection of sluice and command, Water Users Association will be formed and the works will be completed within the financial year.

Officer to be approached

Assistant Executive Engineer  
Command Area Development Programme.  
Executive Engineer , AED in the District.  
Superintending Engineer , AED in the Region.  
Chief Engineer,  
Agricultural Engineering Department,  
Nandanam, Chennai-35.  
Phone 2435 2686 , 2435 2622

**SCHEME NO.4**

Name of Scheme	<b>Demonstration of Agricultural Machinery and Implements</b>
Project Area	All Districts (Except Chennai)
Details of Works	Demonstrations of Agricultural Implements / Machinery are taken up in the Farmers' Fields.
Eligibility	All farmers
Time-limit for Implementation	Programme will be completed within the financial year.
Officer to be approached	Assistant Executive Engineer, AED in the Revenue Division. Executive Engineer, AED in the District. Superintending Engineer, AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.5**

Name of Scheme	<b>Training Programme to Farmers in handling and maintenance of Agricultural machinery</b>
Project Area	All districts (Except Chennai)
Details of Works	Refresher training programmes on handling and maintenance of newly developed agricultural machinery to farmers and rural youth are conducted.
Eligibility	All farmers and rural unemployed youth between the age group of 18 to 40
Time-limit for Implementation	Programme will be completed within the financial year.
Officer to be approached	Assistant Executive Engineer, AED in the Revenue Division. Executive Engineer, AED in the District. Superintending Engineer, AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.6**

Name of Scheme	<b>Rain Water Harvesting and Runoff Management Programme</b>
Project Area	All Districts (Except Chennai and Nilgiris)
Details of Works	<ul style="list-style-type: none"><li>❖ Percolation ponds</li><li>❖ Major, medium and minor check dams</li><li>❖ Farm Ponds</li><li>❖ Rejuvenation of unused wells</li><li>❖ Village tanks / Ooranies.</li></ul>
Benefits offered (Subsidy)	100% grant is provided on cost of works taken up in community lands. However, the beneficiaries are required to contribute 10% of the cost of works (it is 5% in case of SC/ST) in cash which will be deposited in the name of the Village Development Association / Watershed Association for future maintenance of the assets created. 90% subsidy is provided on cost of works in patta lands and the remaining 10% is collected as beneficiary share.(it is 5% in case of SC/ST) in the form of cash / labour /material.
Eligibility	All the farmers in the selected watersheds in the respective district.
Time-limit for Implementation	Works will be completed within the financial year.
Officer to be approached	Assistant Executive Engineer , AED in the Revenue Division. Executive Engineer , AED in the District. Superintending Engineer , AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.7**

Name of Scheme	<b>NABARD assisted Rain Water Harvesting Programme</b>
Project Area	Kanchipuram, Thiruvallur, Villupuram, Cuddalore, Vellore, Salem, Erode, Namakkal, Trichy, Perambalur, Karur, Dindigul, Theni, Virudhunagar, Ramnad, Sivaganga, Thoothukudi, Coimbatore and Nilgiris.
Details of Works	<ul style="list-style-type: none"><li>❖ Percolation ponds</li><li>❖ Major, medium and minor check dams</li><li>❖ Farm pond</li><li>❖ Rejuvenation of unused wells</li></ul>
Benefits offered (Subsidy)	100% grant is provided on cost of works taken up in community lands. 75% subsidy is provided on cost of works in patta lands and the remaining 25% is collected as beneficiary share.
Eligibility	All the farmers in the selected watersheds in the respective district.
Time-limit for Implementation	Works will be completed within the financial year.
Officer to be approached	Assistant Executive Engineer , AED in the Revenue Division Executive Engineer , AED in the District. Superintending Engineer , AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686, 2435 2622

## SCHEME NO.8

Name of Scheme **Soil and Water Conservation under Hill Area Development Programme**

Project Area Nilgiris District.

Details of Works

- ❖ Bench Terracing
- ❖ Drainage line treatment works
- ❖ Water Harvesting Structures.
- ❖ Collection Wells
- ❖ Terrace support works
- ❖ Stream training works
- ❖ Silt detention tanks and
- ❖ Landslide treatment works

Benefits offered (grant) 100% grant is provided for Soil Conservation measures. However, beneficiaries are required to contribute at the rate of 10% for individual works and 5% for community works. It is 5% in case of SC/ST, for individual works. This contribution shall be deposited in the Watershed Development fund. The landslide treatment measures are executed with 100 % grant.

Eligibility All the farmers whose lands are covered in the selected watersheds are eligible.

Time-limit for Implementation Soil Conservation and Landslide treatment works will be completed within the financial year.

Officer to be approached Assistant Executive Engineer , AED, IGBP Complex, Botanical Garden Road, Udagamandalam-643 001, Nilgiris District.

Assistant Executive Engineer , AED  
Mysore Road, Selvipettai, Gudalur-643 312, Nilgiris District.

Assistant Executive Engineer, AED, Land Slide,  
Hill area Development Programme, 117. Brindavan School  
Road, Wellington Bazaar, Wellington, Coonoor-643 102,  
Nilgiris District.

Executive Engineer , AED  
Joint Director of Horticulture Office Complex,  
Vijayanagaram, Udagamandalam-643 001, Nilgiris District.

Superintending Engineer , AED, Coonoor, Nilgiris District.

Chief Engineer,  
Agricultural Engineering Department,  
Nandanam, Chennai-35.  
Phone 2435 2686 , 2435 2622



**SCHEME NO.9**

Name of Scheme	<b>Soil and Water Conservation under Western Ghats Development Programme</b>
Project Area	Coimbatore, Erode, Madurai, Theni, Dindigul, Virudhunagar, Tirunelveli and Kanyakumari District.
Details of Works	<ul style="list-style-type: none"><li>❖ Staggered contour trenching</li><li>❖ Gabion structure</li><li>❖ Drainage line treatment works</li><li>❖ Contour rubble bund</li><li>❖ Contour / Compartmental bunds</li><li>❖ Check dam.</li><li>❖ Village ponds</li><li>❖ Water harvesting structures</li><li>❖ Farm ponds</li><li>❖ Land shaping</li></ul>
Benefits offered (Subsidy)	100% grant is provided for Soil Conservation measures. However, beneficiaries are required to contribute at the rate of 10% for individual works and 5% for community works. It is 5% in case of SC/ST, for individual works.
Eligibility	All the farmers whose lands are covered in the selected Watersheds are eligible for subsidy.
Time-limit for Implementation	Works will be completed within the financial year in the selected watersheds.
Officer to be approached	Assistant Executive Engineer, AED in the Revenue Division. Executive Engineer, AED in the District. Superintending Engineer, AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**SCHEME NO.10**

Name of Scheme	<b>Soil Conservation in Tribal Areas under Integrated Tribal Development Programme</b>	
Project Area	<b>District</b>	<b>Project Area</b>
	Villupuram	Kalrayan Hills
	Vellore	Jawadhu Hills
	Tiruvannamalai	Jawadhu Hills
	Salem	Kalrayan Hills & Shervarayan Hills
	Namakkal	Kolli Hills
	Dharmapuri	Sitheri Hills
	Trichy	Patchai Hills
Details of Works	<ul style="list-style-type: none"><li>❖ Contour Rubble Bund /Contour Stone wall</li><li>❖ Land Shaping</li><li>❖ Pipe laying</li><li>❖ Disc ploughing</li><li>❖ Irrigation Check dams</li><li>❖ Major and Minor Check dams</li></ul>	
Benefits offered (Subsidy)	100% Subsidy is provided for all the works executed in the lands of tribal farmers in the selected tribal areas.	
Eligibility	Land Owning Scheduled Tribal farmers in the seven districts where the scheme is being implemented are eligible.	
Time-limit for Implementation	Works will be completed within the financial year in the selected areas.	
Officer to be approached	Assistant Executive Engineer , AED in the Revenue Division. Executive Engineer , AED in the District. Superintending Engineer , AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622	

**SCHEME NO.11**

Name of Scheme	<b>Replacement of old Pumpsets with new Pumpsets.</b>		
Project Area	All Districts (except Chennai.)		
Details of Works	<ul style="list-style-type: none"> <li>❖ Replacement of old, inefficient electrical pumpsets with new BIS pumpsets and</li> <li>❖ Renewal of Electrical accessories.</li> </ul>		
Benefits offered (Subsidy)	<b>Description</b>	<b>For SC/ST Farmers</b>	<b>For Other Farmers</b>
	Pump sets below 5 HP	Subsidy of Rs.3500 or 50% of the cost of the pump set Whichever is less.	Subsidy of Rs.2500 or 25% of the cost of the pump set Whichever is less.
	Pump sets of 5 HP & above	Subsidy of Rs.6000 or 50% of the cost of the pump set Whichever is less.	Subsidy of Rs.5000 or 25% of the cost of the pump set Whichever is less.
	Cost of renewal of panel and other electrical accessories	Subsidy of Rs.1500 or 50% of the cost of panel Whichever is less.	
Eligibility	The farmers having agricultural wells with old, inefficient Electrical pump sets in all the districts of Tamil Nadu (except Chennai)		
	'''		
Time-limit for Implementation	Programme will be completed within the financial year.		
Officer to be approached	Assistant Executive Engineer , AED in the Revenue Division. Executive Engineer, AED in the District. Superintending Engineer, AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622		

## SCHEME NO.12

Name of Scheme **World Bank aided Tamil Nadu Irrigated Agriculture Modernization and Water bodies Restoration and Management (TN IAMWARM) Project**

Project Area	S.No	Name of Sub-basin	Districts covered
	<b>A</b>	<b>Ongoing projects</b>	
	1	Varaga Nadhi	Villupuram, Tiruvannamalai
	2	Upper Vellar	Salem
	3	Palar (PAP) & Aliyar (PAP)	Coimbatore, Erode
	4	South Vellar & Pambar	Pudukottai
	5	Manimuthar & Kottakarayar	Sivagangai
	6	Arjunanadhi	Virudunagar
	<b>B</b>	<b>New projects</b>	
	1	Pennaiyar	Krishnagiri
	2	Swethanadhi	Salem
	3	Anaivari odai & Chinnar	Perambalur
	5	Agniyar-Upper part & Ambuliyar	Thanjavur, Pudukottai
	7	Upper Vaigai & Varattar-Nagalar	Theni
	9	Upper Gundar & Therkar	Madurai
	11	Nichabanadhi & Kalingalar	Tirunelveli
	13	Sindapalli Uppodai & Sinkottaiar	Virudunagar
	15	Koundanyanadhi & Poiney	Vellore

Details of Works

- ❖ Installation of Drip and Sprinkler Irrigation systems.
- ❖ Underground PVC Pipe laying and community Bore wells
- ❖ Farm mechanization
- ❖ Construction of Farm ponds
- ❖ Construction of Water Harvesting Structures such as Check dams & Percolation Ponds are proposed to be taken up in the above sub basins.
- ❖ Information, Education, Communication and Capacity Building

Benefits offered (Subsidy)	Installation of Drip and Sprinkler Irrigation systems.	50% subsidy to farmers subject to the ceiling fixed by Government of India
	PVC Pipe laying & Community Bore wells.	100% grant to farmers. However, 10% beneficiary contribution is collected for maintenance.
	Farm mechanization	100% subsidy to Water Users Association
	Construction of Farm ponds	90% subsidy to General Category farmers. 95% subsidy to SC/ST farmers.
	Construction of Water Harvesting Structures	100% grant to farmers however the 10% beneficiary contribution is collected for maintenance

Eligibility All farmers in the selected sub-basins.

Time-limit for Implementation Programme completion annually.

Officer to be approached  
 Executive Engineer , AED in the District.  
 Superintending Engineer , AED in the Region.  
 Chief Engineer,  
 Agricultural Engineering Department,  
 Nandanam, Chennai-35.  
 Phone 2435 2686 , 2435 2622

## SCHEME NO.13

Name of Scheme	<b>Minor Irrigation Scheme</b>
Area of operation	All District (Except Nilgiris and Kanyakumari District)
Details of Works	<ul style="list-style-type: none"> <li>❖ Selection of sites for construction of openwell and Borewells.</li> <li>❖ Construction of tubewells in alluvial soil.</li> <li>❖ Revitalisation of wells by side boring and blasting in hard rock areas.</li> <li>❖ Construction of Borewells in hard rock areas.</li> </ul>
Benefits offered	<p>Agricultural Engineering Department hires out machinery as per Government approved hire charges and execute the above works.</p> <p>( Hire Charges of machinery are furnished below.)</p>
Eligibility	Farmers of all categories
Time-limit for sanction/ rejection	Machinery are allotted on priority basis.
Officer to be approached	<p>Assistant Executive Engineer, AED in the Revenue Division.</p> <p>Executive Engineer , AED in the District.</p> <p>Superintending Engineer , AED in the Region.</p> <p>Chief Engineer,</p> <p>Agricultural Engineering Department,</p> <p>Nandanam, Chennai-35.</p> <p>Phone 2435 2686 , 2435 2622</p>

### Details of Hire Charges of Minor Irrigation Machinery

Sl. No.	Name of the Machinery	Unit	Hire Charges (in Rupees)	
			Agriculture purpose	Non-Agriculture purpose
1.	Percussion Drill	Day	300	600
2.	Rotary Drill 6" (150 mm ) dia	Metre	120	180
	8" ( 200 mm ) dia	Metre	130	195
	10"( 250 mm ) dia	Metre	140	210
3.	Rock Blasting Unit	Blasting	250	500
4.	Long Hole Equipment	Day	250	500
5.	Hand Boring Set 6" (150 mm ) dia	Metre	30	60
	8" ( 200 mm ) dia	Metre	40	80
	10"( 250 mm ) dia	Metre	50	100
6.	Inwell / Drill (100 psi & 150 psi )	Metre	100	200
7.	Mini Drill 6" dia (150 mm)	Metre	60	120
	8" dia (200 mm)	Metre	70	140
	10" dia(250 mm)	Metre	80	160
8.	Resistivity meter	Point	500	1000
9.	Electrical logger	Tube Well	1000	2000
11.	Welding Plant	day	165	330

**SCHEME NO.14**

Name of Scheme	<b>Land Development Scheme</b>
Area of operation	All Districts
Details of Works	<ul style="list-style-type: none"> <li>❖ Land Shaping</li> <li>❖ Land Levelling</li> <li>❖ Land Reclamation</li> <li>❖ Ploughing, Puddling</li> <li>❖ Paddy Harvesting by Combine Harvester.</li> </ul>
Benefits offered (Subsidy)	Agricultural Engineering Department hires out machinery to farmers as per Government approved hire charges and execute the above works. (Hire charges of machinery are furnished below)
Eligibility	Farmers of all categories
Time-limit for sanction/ rejection	Machinery are allotted on priority basis.
Officer to be approached	Assistant Executive Engineer , AED in the Revenue Division. Executive Engineer , AED in District. Superintending Engineer , AED in the Region. Chief Engineer, Agricultural Engineering Department, Nandanam, Chennai-35. Phone 2435 2686 , 2435 2622

**Details of hire charges of Land Development Machinery**

Sl. No.	Name of Machinery	Hire Charges ( Rs. per hour) (With Diesel)
1	Tractor	265
2	Bulldozer	670
3	Tractor mounted Combine Harvester	780
4	Class crop Tiger Combine Harvesters rubber track type	1130
5	Hydraulic Excavator (BE 71)	580
6	Hydraulic Excavator L & T (KOMATSU)	970

**SCHEME NO.15**

Name of Scheme

**National Agriculture Development Programme (NADP)**

Project Area

All Districts (except Chennai)

Details of Works

SI.No	Component	Item of works
1	Agricultural Mechanisation	a) Introduction of newly developed agricultural machinery / implements b) Popularising conventional machinery / implements.
2	Dry Land Development	a) Plastic lined farm pond with portable sprinkler unit b) Unlined farm pond c) Compartmental Bunding
3	Establishment of land resources inventory and GIS data base	Digitisation of cadastral maps of potential crop growing villages

Benefits offered (Subsidy)

50% subsidy assistance is provided to farmers for purchasing newly developed agricultural machinery/ implements such as mini combine harvester, multi crop thrasher, paddy transplanter , post hole digger etc., and 25% subsidy assistance or the ceiling limit prescribed by the Government of India whichever is less, is provided to farmers for purchasing conventional machinery / implements such as power tiller, rotavator, cultivator, offset disc harrow, disc plough etc.,The dry land development works are taken up with 90% grant and 10% farmers' contribution.

Eligibility

All farmers

Time-limit for Implementation

Works will be completed within the financial year.

Officer to be approached

Assistant Executive Engineer , AED in the Revenue Division  
Executive Engineer , AED in the District.  
Superintending Engineer , AED in the Region.  
Chief Engineer,  
Agricultural Engineering Department,  
Nandanam, Chennai-35.  
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