



## ABSTRACT

Agriculture – Tamil Nadu Innovation Initiatives (TNAII) – Scheme under State Innovation Fund – “Smart Water Techniques in Rice” at a cost of Rs.157.85 lakhs – Sanctioned – Orders – Issued.

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**Agriculture (AP4) Department**  
**திருவள்ளூர் ஆண்டு 2047, புரட்டாசி 6**

G.O.(Ms) No.285

Dated: 22.09.2016

Read:

1. From the Agriculture (B&P) Department, Letter No.28047/B&P/2015-7, Dated 19.02.2016.
2. Government Letter No.4892/AP4/2016-1, Dated 25.2.2016
3. From the Commissioner of Agriculture Letter No. P&M 4/147373/2015, Dated 26.02.2016.

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### ORDER:

In the reference third read above, the Commissioner of Agriculture has sent the proposal for “Smart Water Techniques in Rice” at a cost of Rs.157.85 lakhs. The Commissioner of Agriculture has stated that the Rice is the staple food of Tamil Nadu and it occupies 41% of the net sown area. About 95% of the Rice area is raised under irrigated condition and the balance under rainfed condition mostly as semi-dry rice. The normal area under Paddy is 17.75 L.Ha. and the production is 60.17 L.M.T.

Rice is a crop that can withstand near submergence. The total water requirement for rice cultivation is 1200 – 1400 mm. On an average, 2000 – 3000 litres of water is required to produce 1 kg of rice. In conventional method of rice cultivation, the crop is made to stand in 2.5 cm depth of water throughout the crop growth period.

The System of Rice Intensification (SRI) was introduced. The technology consists of 12 steps wherein alternate wetting and drying is one among them and the scheduling of irrigation is based on the development of hairline cracks in the field. However this is a crude method of assessing the water depth in the field.

Supplementing this, a scientific technology viz., "Water pipe (Pani pipe) method of monitoring the water depth" plays an imminent role in adoption of the water saving technique "Alternate Wetting and Drying (AWD)" precisely with which farmers can reduce the irrigation water use in fields without decreasing the yield. The adoption of this technology has proved to conserve 30% of water compared to continuous submergence without affecting the yield.

2. The Commissioner of Agriculture has further stated that this scheme has been proposed to be implemented in 8 non delta blocks of Cuddalore district covering an area of 24456 hectares benefitting 31,250 farmers.

**Objective:**

The objective of the scheme is to increase the yield of crop by saving the irrigation cost, conserving ground water and reducing the cost of fuel and power to pump water.

**Activites**

- Distribution of perforated PVC pipes at 50% subsidy limited to Rs.625/ha for assessment of water level.
- Advertisement charges.  
It is proposed to procure PVC pipes as per existing tender procedure and the amount of Rs 5.00 lakhs is proposed for issuing tender notification.

3. Hence, the Commissioner of Agriculture, has requested to sanction this scheme at a total cost of Rs.157.85 lakhs and to authorize Joint Director of Agriculture, Cuddalore to draw and incur the expenditure for the implementation of the scheme 2016-2017.

4. The Commissioner of Agriculture has therefore requested the Government that an amount of Rs.157.85 lakhs may be sanctioned in a new head of account. If there is any savings / excess to the financial target allotted under the above components, it is proposed to achieve the physical target accordingly. Hence the Commissioner of Agriculture has requested the Government to approve the above proposal and to authorize to incur the expenditure for the implementation of the scheme during the year 2016-17.

5. The Government after careful examination accept the proposal of the Commissioner of Agriculture and sanction a sum of Rs.157.85 lakhs (Rupees One Core Fifty Seven Lakhs and Eighty Five Thousand only) for Smart Water Techniques in Rice System as detailed below:-

**PROJECT COST**

S.No	Activities	Unit	Physical	Total cost (Rs in lakhs)	50% Fund Requirement (Rs in lakhs)
1	Distribution of perforated PVC pipes at free of cost @ 5 Nos per Ha. (Rs.250 per No) (Rs 1650/ha) (50% subsidy 325/ha)	Ha.	24456	305.700	152.850
2.	Advertisement charges				5.000
	<b>Total</b>				<b>157.850</b>

6. The amount sanctioned in para 5 above shall be debited to the following new head of account:-

2401 00 Crop Husbandry – 800 other expenditure – Scheme in the twelfth five years plan – II State plan – KK – Implementation of Smart Water Saving Techniques in Rice Cultivation – Schemes under State Innovation Fund.

08 Advertisement and Publicity - 01 Advertisement Charges Rs.5.00 lakh  
(DPC – 2401 00 800 KK 0809)

11 Subsidies – 01 individual based subsidy Rs.152.85 lakh  
(DPC – 2401 00 800 KK 1111)

The above expenditure shall be adjusted and met from the State Innovation Fund by deducting under the following head of account:-

2401 00 Crop Husbandry – 902 Deduct – Amount met from the State Innovation Fund – JA – Deduct – Amount met from State Innovation Fund  
30 – Inter account transfers

(DPC - 2401 00 902 JA 3007)

and Contra debiting

J-Reserve Fund – (b) – Reserve funds not bearing Interest – 8229-00-Development and Welfare Fund – 200 – Other Development and Welfare Funds – BE - State Innovation Fund.

(DP Code 8229 00 200 BE 0006) out go

7. The Joint Director of Agriculture, Cuddalore is authorized to incur the expenditure for the implementation of the scheme in 2016-17.

8. If there is any savings/excess to the financial target allotted under the above component, the physical targets shall be achieved.

9. This order issues with the concurrence of the Finance Department vide its U.O.No. 48714/Agri/2016, Dated 20.09.2016.

**(BY ORDER OF THE GOVERNOR)**

**GAGANDEEP SINGH BEDI  
AGRICULTURAL PRODUCTION COMMISSIONER  
AND SECRETARY TO GOVERNMENT**

**To**

The Director of Agriculture ,Chennai-5.  
The Accountant General, Chennai-18./(By name)  
The Accountant General (A&E), Chennai-18.  
The Accountant General (Audit), Chennai-18.  
The Pay and Accounts Officer (East), Chennai-8.  
The Pay and Accounts Officer (South), Chennai-35.  
The Principal Accountant General (AAD), Chennai-18.  
The Principal Accountant General (G&SSA) , Chennai-18.  
The Principal Accountant General (E&RSA), Chennai-18.  
The Residential Audit Officer, Office of the Principal Accountant General  
(Social Sector Audit), Chennai-9.  
The District Treasury Officer, Cuddalore District.

**Copy to:-**

The Special Personal Assistant to Minister for Agriculture, Chennai-9.  
The Private Secretary to Agricultural Production Commissioner and Secretary to  
Government, Agriculture Department , Chennai-9.  
The Agriculture (B&P/OP 3) Department , Chennai-9(2 Copies)  
The Finance (Agriculture / BG-I, BG-II) Department , Chennai-9.  
The Connected File C.No.4892/AP4/2016.  
Stock File/Spare copies.

**/FORWARDED BY ORDER/**

*ok. rjgdyA*  
22/9/16  
**SECTION OFFICER**  
*WB*  
22/09/2016