

**PROCEEDINGS OF THE DIRECTOR OF AGRICULTURE ,  
DIRECTORATE OF AGRICULTURE DEVELOPMENT AND  
FARMERS' WELFARE, VIKAS BHAVAN, THIRUVANANTHAPURAM**

**(Present Dr.K.Vasuki. IAS)**

**Sub: Annual Plan 2020-21 – Scheme on Soil and Root health management and productivity improvement – Continuous Administrative sanction accorded – orders issued- reg:**

**Read:** (1) G.O.(Rt) No.251/2019/AD dated.08.03.2019.  
(2) Order No. TP (2) 12928 /2019 Dated:15.05.2019.  
(3) Annual Plan 2020-21.  
(4) Circular No. S.S.1/132 (1)/2020/Fin dt. 30.3.2020.  
(5) Circular no.21/2020/Fin dated.08/4/2020.  
(6) G.O.(Rt) No.393/2020/Agri dated.22/4/2020.

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**Order No. ADFW/507/2020-TP2**

**Dated:08.06.2020**

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Government of Kerala, have accorded Administrative sanction for the implementation of the scheme 'Scheme on Soil and Root health management and productivity improvement' during 2019-20 for components included in the Green Book vide reference 1<sup>st</sup> cited. Continuous Sanction was accorded for amber book components vide reference (2) cited.

During the financial year 2020-21, there is a budget provision of Rs.2462.00 lakh for the above mentioned scheme under head of account 2401-00-800-28 (P). Out of this, an amount of Rs. 49.59945 lakh was allotted for encashment of bills not e-submitted to treasury upto 31.3.2020 and can be submitted on or before 18/4/2020 as per circular cited (4) above and an amount of Rs. 1168.43454 lakh was allotted for encashment of 'Queue' bills & WAMS clearance bills of 2019-20 as per circular cited (5) above. Hence the balance available for issuing Administrative sanction during 2020-21 is only Rs.1243.96601 lakh as stipulated in the above mentioned circulars.

The component 'Soil ameliorants in selected districts' is continuing during the current year also. Considering the high demand for this component for correction of soil acidity which is common feature of Kerala soils, the entire balance fund of Rs. 1243.96601 lakh is set apart for this component. The details are as follows:

**1. 'Soil ameliorants in selected districts' (Rs. 1243.96601 lakh)**

Studies have shown that 90% of the soils in the State are acidic with over 50% strongly to extremely acidic. This highlights the need for regular liming practice to the soil especially in post flood scenario. It is proposed to implement the component 'Soil ameliorants in selected districts with the following objectives.

- To correct this soil acidity (pH) and improve the soil fertility status and thereby the crop productivity.
- To improve the intake of primary, secondary and micro-nutrients by the crops by improving soil health status.
- To sustain good soil health through improved agricultural practices.

Based on the soil test data, as per general recommendation, lime @ 600 kg /ha should be applied to paddy crop. More quantity of lime as per soil test data, if required, can be applied by farmers at their own cost. Assistance @ 75% limited to Rs.5400/ha towards the cost of soil ameliorants including application charge will be provided for paddy crop.

#### **Neutralising value (Calcium carbonate equivalent) of liming materials**

Liming materials differ markedly in their ability to neutralize soil acidity. The effectiveness or efficiency of liming material is expressed as calcium carbonate equivalent or neutralising value. Pure calcium carbonate is taken as the standard with a value of 100 per cent. The neutralising value of common liming materials is given in table below. The values mentioned are for pure materials and will change depending on the material. The highest neutralising value for calcium oxide is indicative of its superiority over other liming materials in terms of efficiency to neutralize acidity.

#### **Calcium carbonate equivalent of pure forms of liming materials**

Liming materials	Neutralizing value (%)
Calcium oxide	179
Calcium hydroxide	136
Magnesium carbonate	109
Dolomite (Calcium Magnesium carbonate )	109
Calcium carbonate	100
Calcium silicate	86

( Source : Outcome of Soil Based Plant Nutrient Management Plan for Agro Eco systems of Kerala )

**This component is intended to be implemented in an area of 22851.2224 ha. hectares covering all districts of Kerala. The farmers who avail assistance from any other scheme for the same purpose will not be eligible for subsidy under this scheme.**

An amount of **Rs. 1243.96601 lakhs** is set apart for implementation of this component. The rate of assistance for purchase and application of soil ameliorants like dolomite/lime for one ha of paddy will be maximum of 75% of the total cost limited to

**Rs.5400/- per hectare.**

Sl. No.	Item	Area (ha)	Subsidy per ha (Rs.)	Total Assistance (Rs in lakhs)
1	Liming materials	22851.2224	5400	1233.96601
	Transportation and handling charges			10.00
				<b>1243.96601</b>

**(Rupees twelve crore forty three lakh ninety six thousand six hundred and one only)**

In the circumstances mentioned above, continuous administrative sanction is hereby issued for implementation of ongoing component 'Soil ameliorants in selected districts' of the scheme 'Soil and Root health management & Productivity Improvement' during 2020-21 for an amount of **Rs. 1243.96601 lakh (Rupees twelve crore forty three lakh ninety six thousand six hundred and one only)**, as per the above statement, debiting expenditure to head of account **2401-00-800-28 (Plan)** from current years' budget provision of Rs.2462.00 lakhs. The scheme shall be implemented abiding by the terms and conditions stipulated in the Government Orders read above.

**As per G.O read as reference (6) above, fund allocation for schemes have to be provided AEU wise. Accordingly, implementing sections at the Directorate of Agriculture will provide AEU wise fund allocation while issuing working instructions for the scheme.**

Monthly progress report should invariably contain component wise physical and financial targets and achievements and the stage of implementation of each component. Since the Government is giving emphasis to women participation and gender budgeting, maximum efforts have to be made to include women beneficiaries in the scheme. The number of women beneficiaries and the amount utilized for such beneficiaries (component wise) should also be separately shown in the monthly progress report.

Sd/-

**Director of Agriculture**

To

TF Section for issue of detailed working instructions

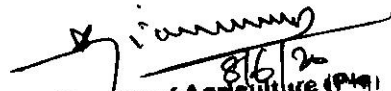
Copy to

TA to Director of Agriculture,

CA to All Additional Directors of Agriculture of the HQ, State Agricultural

Engineer, Senior Finance Officer for information

IT section of the directorate for posting on the website

  
8/6/20  
Deputy Director of Agriculture (P.A.)  
Directorate of Agriculture  
Thiruvananthapuram