

Directorate of Agriculture Development and Farmers' Welfare

Vikas Bhavan, Thiruvananthapuram – 695033

e-mail:cru.agridir@kerala.gov.in, Phone: 0471-2304481

No:- ADFW/10499/2023-TA3

Date:02-10-2023

CIRCULAR

Sub:- Agriculture Department- Rice Development Scheme 2023-24- Registered Seed Grower's Programme (RSGP) - Target assigned- Guidelines issued – reg.

Ref:- 1) G.O.(Rt) No. 800/2023/AGRI dated 08.08.2023

A budget provision of Rs. 9510.00 lakh has been provided under the head of account 2401-00-102-90 (Plan) during the financial year 2023-24 for the scheme "Rice Development Programme". and as per reference 1 cited, continuous Administrative Sanction has been accorded for continuing components of the Scheme "Rice Development Programme" for an amount of Rs. 9315.00 lakhs (Rupees Ninety Three Crore Fifteen Lakh only) under the same head during 2023-24

Seed is the critical input necessary for enhancing crop production and productivity , hence the use of good quality certified paddy seeds has to be ensured to get maximum productivity and net profit. Farmers usually prefer good quality seeds raised in their region. These seeds which are suited to the region are preferred to seeds obtained from totally different regions. Hence to maintain and make available locally adaptable, certified seeds in the state, Registered Seed Growers' Programme (RSGP) will be implemented during 2023-24 as one of the components of Rice Development Programme , following existing rules and norms for the scheme . Out of the total outlay of Rs. 9315 lakh sanctioned for Rice development programme , Rs. 150 lakh has been been earmarked for implementing RSGP, which includes components such as certified seed production, multiplication of foundation seeds at state seed farms, trainings etc

Objectives of the programme:

- To increase the Seed Replacement Rate (SRR) to 50% by ensuring timely supply of quality paddy seeds to the farmers.
- Supply of foundation seeds free of cost to the Registered seed Growers.
- To produce quality certified paddy seeds.
- To involve more farmers into cultivating paddy crop
- Ensure lucrative price for the procured paddy seed to the Registered Seed Growers.
- To cultivate paddy seeds of different varieties needed by the rice farmers of Kerala.

Registered Seed Growers Programme will be implemented in 3000 hectares in the State with the co-operation of the Kerala Agricultural University, State Seed Production Centres, Krishi Bhavans

and farmers of registered Padasekhara Samithies at Panchayat level.

Foundation seeds will be produced in various State Seed Farms from the breeder seeds obtained from Kerala Agricultural University. Foundation seeds will be supplied free of cost to registered seed growers for the production of certified seeds, which can be distributed to farmers.

KSSDA will coordinate the activities such as Foundation seed production in State Seed Farms and certified seed production by Registered seed growers. An amount of Rs.150.00 lakh will be assigned as assistance to KSSDA which will be set apart for certified seed production, multiplication of foundation seeds, meeting the cost of foundation seeds, trainings, miscellaneous expenses including cost of gunny bags required for packing processed paddy seeds, transportation, loading, unloading etc.

Table-Table-1

Component wise financial allocation for Registered Seed Growers' Programme (RSGP)

sl no.	Components	Area /No.	Quantity required (T)	Rate (Rs/kg.)	Total amount (lakh)
1	Cost of Foundation seed	3000 ha	240 (@ 80 kg/ha)	40	96
2.	Training	11 no.s		20000/training	2.2
3.	Miscellaneous expenses of KSSDA including cost of gunny bags,(30 kg bags), transportation , loading &unloading etc for implementation in 3000 ha	3000 ha			51.8
	Total				150

(One hundred and fifty lakh only)

Assistance for RSGP seed distribution

The programme will be implemented through KSSDA based on the targets assigned to each district. The foundation seeds will be supplied free of cost to the Registered Farmers for a total area of 3000 Ha. The foundation seeds should be taken from the State Seed Farms of the Department.

The district wise targets assigned under Registered Seed Growers Programme (RSGP) 2023-24 as follows.

Table-2.District wise target for Virippu and Mundakan 2023-24

District	Virippu	Mundakan	Total Area (Ha)
----------	---------	----------	-----------------

District	Virippu Area (ha)	Mundakan/Punja Area (ha)	Total Area (ha)
Palakkad	305	2195	2500
Thrissur		330	330
Ernakulam		30	30
Malappuram		90	90
Kannur		50	50
Total	305	2695	3000

Table-3. District wise, Variety wise Target for RSGP 2023-24

District	Variety	Virippu (ha)	Mundakan/Punja (ha)	Total (ha)
Palakkad	Uma	300	2115	2415
	Jyothi	5	80	85
	Total	305	2195	2500
Thrissur	Jyothi		165	165
	Uma		165	165
	Total		330	330
Malappuram	Uma		80	80
	Athira		10	10
	Total		90	90
Ernakulam	Uma		30	30
Kannur	Uma		50	50
	Total	305	2695	3000
GRAND TOTAL		305	2695	3000

Principal Agricultural Officers of Palakkad, Thrissur, Malappuram, Ernakulam and Kannur should take urgent action to re-allot Krishi Bhavan wise variety wise targets for implementation of

RSGP during 2023-24 as per the district targets given in Table-3. Seed indent with variety wise requirement of paddy seeds and date of supply may be informed directly to Kerala State Seed Development Authority, Thrissur.

The seed cost of foundation seeds for certified seed production/certified seed distribution to farmers may be met by KSSDA utilizing the fund provisions during the current year. KSSDA should furnish monthly progress reports with detailed physical and financial achievements to Additional Director of Agriculture (CP) before 5th of every month. The assigned targets should be achieved so as to maintain the SRR of the State, hence district level meetings, awareness trainings and regular monitoring should be conducted utilizing the fund set apart for this purpose.

Financial outlay:

1. Cost of foundation seeds:

Season	Area (ha)	Seed rate (kg/ha)	Foundation seed requirement (MT)	Rate Rs/kg	Total cost (Rs in lakh)
Virippu	305	80	24.40	40	9.76
Mundakan	2695	80	215.60	40	86.24
Total	3000		240		96

2. Training expenses:

Sl. no.	No. of trainings	No. of participants	Amount/training (Rs)	Total amount (Rs. in lakh)
1.	11	50	20,000	2.20

3. The balance fund of Rs. 51.80 lakh will be utilized for items such as cost of gunny bags (30kg bags) required for packing processed paddy seeds, transportation, loading, unloading etc.

Implementation

- Registered Seed Growers Programme will be implemented by the Agricultural officers of the Krishi Bhavan.
- Kerala State Seed Development Authority will be the nodal agency for implementing the programme and for procurement and distribution of seeds.
- Foundation seeds will be distributed free of cost to the farmers for multiplication under Registered Seed Growers Programme by KSSDA.
- Individual Farmers can register up to 2 hectares. If the area exceeds 2 ha, registration may be permitted only in favour of the concerned Padasekhara Samithy.

I/132771/2023

- The padasekhara samithy/ individual farmer should register as a ‘Registered Grower’ by remitting Rs.25/- under the head of account “0401-800-84-other services and services fees” through treasury chalan. Application for registration in the prescribed form along with the treasury chalan should be submitted to the State Seed Certification Agency, the Additional Director of Agriculture (CP), Directorate of Agriculture Development and Farmers Welfare, Vikas Bhavan, Thiruvananthapuram-695033.
- Padasekhara Samithy will take annual membership with Kerala State Seed Development Authority by remitting the fee Rs.2000/- and Rs.10/- for application form and execute an agreement with the latter. In case of individual farmer the fee to be remitted is Rs.500/- and Rs.10/- respectively.
- The Agricultural Officer of the concerned Krishi Bhavan should ensure that the registered seed growers adopt all the scientific cultivation practices, in the area selected for seed production programme. Care should be taken to see that proper isolation distance is maintained and timely roguing of off types is done.
- Assistance under this programme will be provided for transplanted crop only.
- Training to farmers and officials will be conducted.
- Additional Director of Agriculture, KSSDA will arrange to conduct necessary trainings to the padasekhara samithy and officers based on need. The training schedule should be chalked out by the Additional Director of Agriculture, Kerala State Seed Development Authority in consultation with the Principal Agricultural Officers well in advance of programme implementation.
- The Agricultural officer of the concerned Krishi Bhavan shall be personally responsible for giving guidance to the farmers and shall ensure adherence, by the farmer, of recommended processes and practices.
- Block level Assistant Director of Agriculture is the designated Seed Inspector and should conduct three field inspection at particular time intervals as detailed below:

Variety	1st	2nd	3rd
Short duration	Within 60 DAS	Within 85 DAS	Within 100 DAS
Medium duration	Within 80 DAS	Within 100 DAS	Within 125 DAS
Long duration	Within 90 DAS	Within 125 DAS	Within 150 DAS
	(DAS- Days After Sowing)		

- The Assistant Director of Agriculture should inspect the field and furnish the dated inspection report in the prescribed format.
- The Agricultural Officer will ensure that proper drying and pre cleaning of harvested paddy is done before the drawal of seed samples by the Assistant Director of Agriculture.

I/132771/2023

- The Agricultural Officer should inspect the field once in two weeks and the assigned Agricultural Assistants of concerned areas should strictly inspect the field once a week.
- The Agricultural Officers and one Agricultural Assistant should accompany the concerned Assistant Director of Agriculture to the field implementing RSGP for taking seed samples.
- The crop cutting experiments by Statistics department should be ensured in RSGP plots during which Agricultural Officer should be physically present in the concerned paddy field in order to ascertain the yield of the crop.
- As envisaged in the Seed Act (1966), the Seed Inspector, (the Assistant Director of Agriculture) should inspect the seed lot produced by the registered seed growers and draw samples. The Assistant Director of Agriculture should furnish the following certificate.
- ‘Certified that(name), ADA ofBlock has drawnNo. of samples from..... No. of lots kept at the premises of Sri..... (Name and address) on(date and time) in the presence of(witness).
- Guidelines for drawal and dispatch of seed samples are given in Annexure- I
- Senior Seed Analyst will conduct the testing of the certification samples within 15 days of receipt of samples and furnish the results of standard samples to the concerned Seed Inspector with a copy to the Additional Director of Agriculture, Kerala State Seed Development Authority within 30 days on receipt of sample. Seed inspectors will furnish all the required details (Application in prescribed proforma, Chalan, sowing report, three field inspection reports, original seed sample analysis reports of both standard and non-standard samples, Crop cutting details(if needed), Tag Details of FS I seed (in the case of Certification of FS II seeds)) to the Additional Director of Agriculture (CP) for getting certification tag for the particular quantity of seed to be procured.
- On receipt of all the required details for the issue of certification tag, the certification agency viz, the Additional Director of Agriculture (CP) will issue the same within 10 days of receipt of the requisition from the Seed Inspector. The Certificate of Registration will be communicated to the concerned Seed Inspector, the Additional Director of Agriculture, Kerala State Seed Development Authority and the Principal Agricultural Officer of the district.
- Additional Director of Agriculture, Kerala State Seed Development Authority immediately after getting the Certification Tag Number, will arrange the processing of the procured seed at the processing centre, packing and lifting of the certified seed with necessary labelling. The Additional Director of Agriculture, Kerala State Seed Development Authority in consultation with the concerned Principal Agricultural Officers will see that the certified seed produced in the district will be distributed to meet the demand of that particular district and then only will be transported to the godown/ware house as the case may be.
- The stock will be immediately lifted by the Additional Director of Agriculture, Kerala State Seed

I/132771/2023

Development Authority either to the Krishi Bhavan on demand and make the payments to the Padasekhara Samithy.

- On receipt of certified seed in Krishi Bhavan, the concerned Agricultural Officers should ensure the viability of the seed by conducting germination test before distribution to farmers. Complaints in respect of the viability of the seed should be informed to KSSDA within 10 days of receipt of the seed.
- The Deputy Director of Agriculture (WM) is the district level nodal officer of the RSGP. The Principal Agricultural Officer and Deputy Director of Agriculture (WM) should conduct random field inspection to the tune of 10% and 25% respectively. The Deputy Director of Agriculture (YP) should inspect the Foundation Seed Production Programme conducted in the Departmental Seed Farms.
- The above guide lines are applicable to seed production programme in Departmental Seed Farms also. Since the quality of the FS II Seed produced in the Seed Farms decide the quality of certified seed produced by Registered Seed Growers, utmost care should be taken in the production of Foundation Seed. The concerned Deputy Director of Agriculture (YP) and Principal Agricultural Officers should issue proper instructions to officers in charge of State Seed Farms, for the proper handling of Foundation Seed from production till distribution.
- Since Seed is declared as an Essential commodity under the Essential Commodities Act, the seed produced and distributed under RSGP should possess the assured quality for which the above guidelines should compulsorily be adhered to.
- The benefits under RSGP will be provided without limitation of area of the individual beneficiary

Since Seed multiplication procedures play an important role in deciding the quality of seed, utmost care should be taken at all levels of seed production which may reflect in the ultimate crop yield.

Monitoring and evaluation:

At the State level, the programme will be implemented by the Additional Director of Agriculture, Kerala State Seed Development Authority. Additional Director of Agriculture (CP) will be the monitoring authority at the State level and will be issuing certification tags for quality seeds. Deputy Director of Agriculture (WM) is the district level nodal officer of the RSGP programme. Principal Agricultural Officers and Deputy Director of Agriculture (WM) will conduct random inspections in the field of farmers as well as in the State Seed Farms where the foundation seeds are produced.

Anticipated benefits to farmers

By implementing the project in 3000 Ha, approximately 15000 MT good quality paddy seeds can be made available to farmers, which can be cultivated in an area of 1,87,500 ha. An anticipated production of 6.60 lakh MT paddy can be ensured. The registered seed growers will get an assured

source of income without waiting for the mercy of intermediaries.

ANNEXURE – 1

(Schedule 1 of the Seeds (Control) Order 1983) - Sealing, Fastening, Dispatch and Analysis of Samples

I. Manner of taking samples

Samples of any seed for the purpose of analysis shall be taken in a clean dry container which shall be closed sufficiently tight to prevent leakage and entrance of moisture and shall be carefully sealed.

II. Sampling Intensity

Bulk sampling- when sampling seed lots are stored in bulk (heaps, bins, wagons etc) the following sampling intensity should be regarded as a minimum requirement for obtaining the “bulk sample”

- a. Upto 500 kilograms – at least 5 individual samples except in case of small lots upto 50 kilograms where a smaller number of samples is sufficient, not less than 3 samples need be taken.
- b. 501 to 3000 kilograms- one individual sample for each 300 kilograms, but not less than 5 individual samples.
- c. 3001 to 20,000 kilograms- one individual sample for each 500 kilograms, but not less than 10 individual samples.

For seed in bulk the individual samples should be distributed at random all over the bulk and the samples drawn from varying depths.

Bag sampling – For seed lots in bags or other containers the following sampling intensity should be regarded as a minimum requirement.

- d) Upto 5 containers- sample each container but always take at least 5 individual samples.
- e) From 6 to 30 containers- sample at least one in every three containers but never less than 5.
- f) 31 containers or more – sample at least one in every five containers but never less than 10.

Unless doubt exists about the homogeneity of a lot, all such primary samples should be combined a composite sample of the lot for submitting to the seed testing laboratory. If the individual or primary samples are not sufficiently homogeneous, they may be sent to the laboratory for a heterogeneity test.

III. Containers to be labelled and addressed - All containers containing samples for analysis shall be properly labelled and the parcels shall be properly addressed. The label on any sample of seed sent

I/132771/2023

for analysis shall bear-

- a. Serial number
- b. Name of the sender with official designation, if any;
- c. Name of the person from whom the sample has been taken;
- d. Date and place of taking the sample;
- e. Kind or variety of the seed for analysis;
- f. Nature and quantity of preservative, if any, added to the sample

IV. Manner of packing, fastening and sealing the samples - All samples of seeds sent for analysis shall be packed, fastened and sealed in the following manner.

- a. The stopper shall first be securely fastened so as to prevent leakage of the containers in transit.
- b. The containers shall then be completely wrapped in fairly strong thick paper. The ends of the paper shall be neatly folded in and affixed by means of gum or other adhesive.
- c. The paper cover shall be further secured by means of strong twine or thread both above and across the container, and the twine or thread shall then be fastened on the Paper cover by means of sealing wax on which there shall be at least four distinct and clear impressions of the seal of the sender, of which, one shall be at the top of the packet, one at the bottom and the other two on the body of the packet. The knots of the twine or thread shall be covered by means of sealing wax bearing the impression of the seal of the tender.

ANNEXURE – II

Form-I

Form of Sowing Report

Year:

Season:

1. Name and Address of the producer :

I/132771/2023

Name and address of the Grower :

3. Location of the Farm :

a. Village :

b. Block :

c. Taluk :

4. Crop :

a. Variety :

b. Area :

5. Class of Seed to be produced :

6. Quantity of seeds used Kg/Ha :

7. Source of Seed :

8. Tag No (of item 07) :

9. Purchase of Bill No.& Date :

10. Date of Sowing :

Signature of the Grower / Signature of the producer / Agricultural Officer Enclosures :

1. Tag for source of seed

2. Purchase bill of grower

Assistant Director of Agriculture

ANNEXURE – X

FIELD INSPECTION REPORT

Season :

REPORT No. I, II, II

1. Seed Certification No. :
2. Report No.& stage of crop :
3. Kind and Variety :
4. Date of inspection :
5. Class of seed used :
6. Time of inspection :
7. Date of sowing :
8. Area Registered/ Inspected :
9. Isolated or Not Isolated :
10. Field counts :
Factors of Inspection (Paddy)
No. of count, % of Weed spices , % off Type, Average
11. Seed Farm Map :

Signature of the Producer Signature of the SCO**

**(Must be signed by the Assistant Director of Agriculture authorized)

PROFORMA**(To be submitted with seed analytical report for seed certification)**

1. Name of Krishi Bhavan/Seed farm/Block :
2. Name of crop :
3. Variety & Area sown :
4. Name of the farmer/Padasekharam/State Seed Farm/with contact number/email address of concerned Agricultural Officer/Assistant Director of Agriculture :
5. Total No.of farmers involved :
6. Source of seed used :
7. Class of Seed used for multiplication :
8. Reg. Fee Remittance of chalan particulars :
9. Date of sowing :
10. Date of first field inspection :
11. Date of second field inspection :
12. Date of third field inspection :
13. Dates on which rouging done :
14. Problems noted during the seed production/ pest/ natural calamity etc. : disease attack /
15. Measures adopted to control/extend of damage :
16. Date of harvest :
17. Quantity of pre-cleaned seed produced :
18. Date of processing :
19. Number of lots and lot Nos. :
20. Date on which sample taken for analysis :
21. No.of samples taken for analysis :

/132771/2023

22. Name and designation of the officer drawing sample :
23. Date on which sample sent for analysis :
24. No. of samples sent to lab :
25. Date of test result :
26. Date of receipt of test result from the lab :
27. No. of samples reported standard :
28. No. of samples reported sub standard :
29. Lab test report Nos & Name of the lab :
30. Date of seed analysis report sent to certification agency :
31. Quantity offered for certification :
32. Remarks :

Certificate

Certified that the seed multiplication procedure has been carried out as per the Seeds Act 1966 and the guidelines communicated from the Director of Agriculture.

Place : Agricultural Officer

Date :

Office

Dated signature of the Assistant Director of Agriculture

sd/-
ANJU K S IAS
DIRECTOR

To: 1) All Additional Directors of Agriculture & Additional Director of Agriculture, Kerala

G. ANIMON
PEN : 515043
Deputy Director of Agriculture (CD)
Directorate of Agricultural Development
and Farmers Welfare
Vikas Bhavan, Typm - 33

/132771/2023

State Seed Development Authority

2) All Principal Agricultural Officers

Copy to:

1) All Heads of Farms

2) All Assistant Directors of Agriculture

3) TA to the Director

4) Senior Finance Officer, Accounts & Audit Sections, Planning Section

5) IT Cell for publishing in Website