

## CIRCULAR

Sub:- Annual Plan 2021-22-Scheme on Modernization of Departmental Laboratories-Enforcement of Quality Control of Seeds, Fertilizers and Pesticides through Quality Control Enforcement Wing-Working Instructions issued- Reg.

Ref:- 1. G.O(Rt) No.911/17/AD dated 23/09/2017  
2. G.O(Rt) No.951/17/AD dated 06/10/2017  
3. G.O(Rt) No.624/18/Agri dated 27/06/2018  
4. ORDER NO. ADFW3148/2021-TP2 dated.06/07/21

As per the references 1<sup>st</sup> , 2<sup>nd</sup> and 3<sup>rd</sup> cited above Kerala Government accorded Administrative Sanction for the implementation of the scheme "Modernisation of Departmental Laboratories'. As per the reference 4<sup>th</sup> cited continuous Administrative Sanction was accorded for the implementation of the scheme.

As per the Annual Plan 2021-22 an amount of Rs 75 Lakhs is earmarked for the scheme. Seeds, fertilizers and pesticides are the primary inputs in agricultural production. Government of India has enacted various Acts, Rules and Orders to regulate the production, movement, distribution and quality of these inputs. The Seed Act, 1966, The Seed Rules, 1968 and the Seed (Control) Order, 1983 framed by the Central Government provides the platform for regulating the quality of seed of any kind or variety to be sold for the purposes of use in agriculture. The Fertilizer (Control) Order 1985 and the Fertilizer (Movement Control) Order, 1973 framed by the Central Government under Section 1) of the Essential Commodities Act, 1955 provide the regulatory mechanism on the import, manufacture, movement, distribution/sale and quality control of fertilizers all over India. Regulations on the import, manufacture, distribution/sale and quality control of pesticides are laid out through the Insecticides Act 1968 and the Insecticides Rules 1971.

The Quality Control Enforcement Wing under the Department of Agriculture Development and Farmers' Welfare is responsible for enforcing all the statutory regulations including Certification, Registration, Licensing, Movement and Quality Control of seeds, fertilizers and pesticides. All the activities initiated during 2016-17 on a campaign mode and continued upto 2019-20 for streamlining the enforcement activities in the certification, registration, licensing and quality control of seeds, fertilizers and pesticides shall be continued during 2021-22 under the Quality Control Enforcement Wing. As per the reference cited administrative sanction has been accorded for the implementation of the Scheme on Enforcement of Quality Control of Seeds, Fertilizers and Pesticides through Quality Control Enforcement Wing under the Modernization of Departmental Laboratories with a total financial outlay of Rs. 75 lakhs.

**Objectives**

- 1) Ensuring availability of quality agricultural inputs such as seeds, fertilizers and pesticides in the State.
- 2) Strengthening the institutional mechanism of quality control.

- 3) Enforcement of regulations on seeds, fertilizers and pesticides.
- 4) Quality control by systematic sampling, analysis and proceeding action against manufacturer/ dealer of nonstandard items.
- 5) Maintaining strict vigilance on spurious products and also instill awareness among various stake holders on the quality aspects of different agricultural inputs.

The different programmes as shown below are envisaged under the annual plan 2021-22. Director of Agriculture shall be vested with the flexibility for implementation of the various components on priority/need based manner.

### **1. Drawal of Statutory Samples of Fertilizers, Pesticides and Seeds for Quality Control (Rs.16.40812 Lakhs)**

Sample analysis of Seeds, Fertilizers and Pesticides assumes importance as it provides an array of regulatory measures in assuring the quality in production, movement, distribution and consumption of these inputs in crop production.

#### **Drawal of Seed Samples**

The Annual analyzing capacity of seed samples in the State Seed Testing Laboratory, Alappuzha and Seed Testing Laboratory, Thiruvananthapuram is 3000 and 1000 samples respectively. All the Block level Assistant Directors of Agriculture, designated as Seed Inspector, have to draw samples of seeds and send the same in accordance with the procedure laid down in the Seeds (Control) Order, 1983 to the Seed Testing Laboratory to ensure that the seed sample conforms to minimum seed certification standards. Seeds produced locally and means for sale or export and the imported seeds can be drawn for quality analysis. Seeds produced under the Registered Seed Growers Programme are also to be drawn by the Assistant Directors of Agriculture and send for quality analysis.

#### **Drawal of Fertilizer Samples**

At present, we have the potential for analyzing 5000 fertilizer samples annually through the two Fertilizer Quality Control Laboratories (FQCLs) at Thiruvananthapuram and Pattambi. It is required to fully utilize the potential of both the laboratories for enhancing the quality control of fertilizers. Fertilizer Inspectors have to draw statutory samples such that all the fertilizer depots within the Krishibhavan are covered. 70 percent of the samples drawn should be of physical mixtures of fertilizers. Samples from Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Idukki, and Ernakulam districts are to be sent to FQCL Thiruvananthapuram and those from Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur and Kasargod to FQCL Pattambi. Assistant Directors of Agriculture (QC) should primarily focus on manufacturing and distribution/wholesale units. They should also draw samples of micro-nutrients for analysis at the Fertilizer Quality Control Laboratory (FQCL), Thiruvananthapuram&Pattambi.

Apart from the statutory samples as above, some fraction of the analysing capacity of the Fertilizer Quality Control Laboratories (FQCLs) is earmarked for samples brought directly by farmers. However, the results of such tests shall not be the basis of initiating legal action.

Department of Fertilizer, GOI has made it mandatory to submit the Quality Certificate (B2 Certificate) for releasing fertilizer subsidy on central allocation to the distributing firms. It is also required to upload this certificate in the Fertilizer Monitoring System (FMS) website, on a regular basis. As such, quality inspection, sampling and sample analysis have to be performed for each batch/lot of fertilizer arriving in every district in the State. Assistant Director of Agriculture (QC) in charge of the district shall be responsible for performing this activity and the number of samples under this programme shall be over and above the target stated above. Further, the target given for seed sample analysis does not include Registered Seed Growers Programme. The new Biofertilizer and Organic Manure Quality Control Laboratory (BOQCL) was set up at Pattambi in Palakkad District and commissioned during 2020-21. Assistant Directors of Agriculture (QC) should draw and send the samples to BOQCL, Pattambi.

### **Drawal of Pesticide Samples**

The annual analysing capacity of pesticide samples in the State Pesticide Testing Laboratory is 2500 and this potential needs to be fully utilized. Insecticides Inspector must draw statutory samples such that all the pesticides depots within the Krishi Bhavan are covered. Assistant Director of Agriculture (QC) should primarily focus on manufacturing and distribution/ Wholesale units. They are also required to draw samples of bio-control agents and send it to Regional Centre for Organic Farming Stations for quality analysis. Deputy Directors of Agriculture (E&T) should ensure that the mandatory visits in all manufacturing units and all establishments selling the insecticides are carried out as per provisions of the Insecticides Rules, 1971 and the standing instructions of the Director of Agriculture on Government directives.

Under the Annual Plan 2021-22, Rs. 16.40812 lakh has been earmarked under Head of Account 2401-00-105-86-Plan for meeting the expenditure on drawal of samples of seeds, fertilizers and pesticides for quality analysis. It can be utilized for all related expenses on quality control, which may include cost of sample, cost towards containers, cloth bags, despatch of samples etc, and other miscellaneous items. The District-wise target for Drawal of Samples of Fertilizers, Pesticides and Seeds for Quality Control is Provided in the Table below.

**District wise Physical and financial targets on drawal of statutory samples of fertilizers, pesticides and seeds for quality control**

District	Financial Target (Lakh Rs.)	Physical Target of Samples							
		Fertilizers	Micro Nutrients	Organic Manures	Bio fertilizers	Pesticides	Bio Control Agents	Seeds	
								Paddy Seeds	Veg. Seeds
Thiruvananthapuram	2.335	310				170		20	30
Thiruvananthapuram ADA (QC)		260	25	15	15	160	15		
Kollam	0.69932	290				120		20	20
Pathanamthitta	0.57423	190				70		20	20
Alappuzha	2.25	290				170		45	30
Alappuzha-ADA (QC)		260	25	15	15	160	15		
Kottayam	0.80323	290				170		20	20
Idukki	0.7	190				100		20	20
Ernakulam	1.02	320				170		35	20
Thrissur	2.15	360				180		45	30
Thrissur ADA (QC)		260	25	15	15	160	15		
Palakkad	1.05	370				170		80	30
Malappuram	1.00759	370				175		40	30
Kozhikode	2.15	350				170		20	20
Kozhikode DA (QC)		260	25	15	15	160	15		
Wayanad	0.27005	100				65		20	20
Kannur	0.93175	350				100		20	30
Kasargod	0.46695	80				30		20	30
<b>Total</b>	<b>16.40812</b>	<b>4900</b>	<b>100</b>	<b>60</b>	<b>60</b>	<b>2500</b>	<b>60</b>	<b>425</b>	<b>350</b>

Quality control of seeds, fertilizers and pesticides is one of the major services of the Agriculture Department rendered to the farming community and implementation of this programme ultimately envisages to ensure economic benefit to the farming community. Hence quality analysis of samples should always be collaborated with the ensuing cropping seasons. Drawal and analysis of samples should be carried out as a continuing programme, based on the physical target in the preceding year without awaiting administrative sanction /working instructing of the Annual Plan Scheme. 70% of the sampling of physical targets and analysis of seeds fertilizers and pesticides are to be completed during the period from April to October commensurating with the Virippu and Mundakan seasons and 30% during the Puncha season every year and there are standing instructions to follow this.

Principal Agricultural Officers should ensure, that the targets given as above are achieved in full and in time. The monthly progress report on the implementation of the programme on Drawal of samples for Quality Control should be submitted to the Director of Agriculture by 5 th of every month in the proforma specified.

## **2. Surveillance on Organic Protectants/Bio-Pesticides in the market (Rs. 6.00 Lakhs)**

There is growing concern about the genuiness of many bio-pesticides (botanical/ organic/ biological origin) and growth promoters sold throughout Kerala under various proprietary names. Most of these products branded as plant metabolites or botanical origin are not properly labelled regarding its active ingredients or actual composition. At present, our State has no laboratory facilities to undertake such comprehensive analysis to identify the presence of any contaminants or chemical pesticides in these organic products. NIPHM Hyderabad has consented to analyse such products in their laboratory as per our requirement to exclude the chances of contamination in such products by any ingredient of chemical nature or by chemical pesticides. This analysis shall incur a cost of about Rs. 10000/- or Rs. 20000/- per sample depending on the methodology for analysis. During the current year, samples of Organic Protectants/Bio-Pesticides in the market shall be procured and sent for analysis at NIPHM Laboratory, Assistant Directors of Agriculture (QC) shall be primarily responsible for collecting and sending the sample for analysis. Other Insecticide Inspectors in the districts can also send such samples after obtaining sanction from the Deputy Director of Agriculture (E&T).

It should be ensured that such samples are collected from sellers only and on cash purchase with proper documentation of purchase. An amount of Rs 6.00 Lakhs is earmarked for this programme during 2021-22, for need based allocation for meeting the cost of samples and other miscellaneous expenses as follows.

**Physical and Financial Target on Surveillance of Organic Protectants/ Bio-Pesticides  
in the market.**

<b>Sl.No</b>	<b>District</b>	<b>Physical Target</b>	<b>Amount (Lakh Rs)</b>
1	ADA(QC)Thiruvananthapuram (Thiruvananthapuram, Kollam, Pathanamthitta and Kottayam)	10	1.5
2	ADA(QC)Alappuzha (Alappuzha, Idukki and Ernakulam)	10	1.5
3	ADA (QC) Thrissur (Thrissur, Palakkad and Malappuram)	10	1.5
4	ADA(QC) Kozhikode (Kozhikode, Wayanad, Kannur and Kasargod)	10	1.5
	<b>Total</b>	<b>60</b>	<b>6</b>

**3. Mass Awareness Programmes and Special Campaign Week (Rs. 14.825 Lakhs)**

It is required to continue the efforts in creating increased awareness among farmers, input dealers and public at large on the need for scientific use of fertilizers and pesticides. A number of initiatives such as mass media advertisement, conduct of seminars, conduct of training programmes etc carried out from 2016-17 upto 2020-21 shall be continued in 2021-22 also. Special campaign/ awareness week shall be organized throughout the State in the cropping season. During this period, mass awareness programmes shall be conducted in every block aimed at creating awareness on Soil fertility/ Soil Health Card based fertilizer application. Good Agricultural Practices (GAP), effective use of fertilizers, DBT in fertilizers, encouraging farmers to use digital UPI transactions while purchasing fertilizers and linking their mobile number with Aadhar so that they receive stock details and bill details via SMS, Good Plant Protection Practices (GPP), New generation & Organic/ bio-pesticides, health hazards of indiscriminate use of chemical pesticides etc. This campaign should be conducted ensuring the full co-operation of all fertilizer/ pesticide/ seed dealers and other stakeholders.

Block Level Assistant Directors of Agriculture shall co-ordinate the entire activities of the Special Campaign Week and they will be at their discretion to plan and organize the programmes in the most benefitting manner ensuring maximum public participation, involvement of all stakeholders, maximum awareness creation, etc for achieving the aims described above. Principal Agricultural Officers shall allocate funds to the Assistant Directors of Agriculture proportionate to the number of Krishi Bhavan under each block not exceeding Rs.2500/- per Krishi Bhavan. An amount of Rs. 14.825 lakhs is earmarked for these programmes.

**District –wise Financial Target on Mass Awareness Programmes and Special Campaign Week**

Sl. No.	District	Physical Target	Amount (Lakh Rs)
1	Thiruvananthapuram	48	1.20
2	Kollam	40	1.00
3	Pathanamthitta	30	0.75
4	Alappuzha	45	1.125
5	Kottayam	45	1.125
6	Idukki	30	0.75
7	Ernakulam	55	1.375
8	Thrissur	60	1.500
9	Palakkad	50	1.25
10	Malappuram	65	1.625
11	Kozhikode	45	1.125
12	Wayanad	15	0.375
13	Kannur	45	1.125
14	Kasargodu	20	0.50
	<b>Total</b>	<b>593</b>	<b>14.825</b>

**4. Training for Input Agencies (Rs. 22.772 Lakhs)**

Seed, Fertilizer and Pesticide dealers are integral part of the farming sector and the Department is committed to safe-guard the interests of these stakeholders. However, stringent enforcement actions initiated, have caused certain misunderstandings among the input dealers and this is primarily due to ignorance of the statutory provisions of the respective Acts, Rules or Orders. Regular trainings/ meeting of input agencies carried out during the earlier T &V System was later ignored. It is therefore proposed that Input Dealer Meet/ Workshop shall be conducted in every block once in two months. An amount of Rs 3600/- shall be provided for conducting the workshop.

Further training is necessary to the input dealers regarding changeover to the new online licensing system through KSWIFT. Akshaya Centres play a key role in providing service to entrepreneurs for online submission of applications. Two seminars shall be conducted for all the input dealers and Akshaya Centres in every block focussing on online licensing system, for which a financial support, not exceeding Rs.5000/- per seminar shall be provided.

A district level seminar involving the participation of input manufacturers, distributors and dealers is also proposed to be conducted by the Principal Agricultural Officer during the year, for which a financial support not exceeding Rs. 15000/- shall be provided.

Seminar/Workshops should be organised observing COVID 19 protocol / organised online in order to achieve the objectives of the programme.

In the context of covid -19 pandemic restrictions the conduct of mass awareness programmes, special campaign week and training to input dealers may be conducted in online mode if necessary.

The Block level Assistant Director and Agricultural Officer may utilise the amount allotted to set up infrastructure and meeting account in the respective offices for conducting online training programmes.

Apart from these, training programmes shall also be conducted for input dealers through RATTCs / FTCs aimed to create awareness and imparting knowledge on all regulatory compliance on aspects of production, movement, distribution and sale of inputs.

The financial provisions for implementing the different programmes for Training and Recognition for Input Agencies shall be summarized as follows:

**District-wise Target on Mass Training for Input Agencies (Amount 22.772 Lakh )**

District	Workshop		Seminar for input dealers		District Seminar		Total Amount (Lakh Rs)
	No	Amount	No	Amount	No	Amount	
Thiruvananthapuram	11	0.396	22	1.1	1	0.15	1.646
Kollam	11	0.396	22	1.1	1	0.15	1.646
Pathanamthitta	8	0.288	16	0.8	1	0.15	1.238
Alappuzha	12	0.432	24	1.2	1	0.15	1.782
Kottayam	11	0.396	22	1.1	1	0.15	1.646
Idukki	8	0.288	16	0.8	1	0.15	1.238
Ernakulam	14	0.504	28	1.4	1	0.15	2.054
Thrissur	16	0.576	32	1.6	1	0.15	2.326
Palakkad	13	0.468	26	1.3	1	0.15	1.918
Malappuram	15	0.540	30	1.5	1	0.15	2.190
Kozhikode	12	0.432	24	1.2	1	0.15	1.782
Wayanad	4	0.144	8	0.4	1	0.15	0.694
Kannur	11	0.396	22	1.1	1	0.15	1.646
Kasargodu	6	0.216	12	0.6	1	0.15	0.966
<b>Total</b>	<b>152</b>	<b>5.472</b>	<b>304</b>	<b>15.2</b>	<b>14</b>	<b>2.10</b>	<b>22.772</b>



**5. Empowering Seed/Fertilizer /Insecticide Publication/purchase of Handbook etc.  
(Rs 10 Lakhs)**

There is a need for empowering Department Officers to make them competent in the statutory provisions of the relevant Acts, Rules and Orders to function as Seed/ Fertilizer / Inspectors. Trainings on online system through KSWIFT have already been conducted in all districts. The officers shall be deputed to national level accredited training institutes for special trainings or trained by organizing such programmes by SAMETI with the participation of expert faculties. A Key Resource Group (KRG) / Master Trainers Group (MTG), competent in all aspects of the relevant regulations shall be developed at district level by selecting suitable officers, one from each Block especially for training input dealers, Akshaya Centres and prospective users on online licensing system.

Publications incorporating the new amendments in Insecticides Act / Insecticides Rule, Essential Commodities Act / Fertilizer Control Order, Seed Act / Seed Rule, etc. shall be made available to the Enforcement Officers, An amount of Rs.10.00 Lakh is set apart for these activities during the current financial year.

**6. Expert Committee on Quality Assurance and Enforcement (0.25 Lakh)**

An Expert committee on Quality Assurance of Agricultural Inputs and Enforcement Activities was reconstituted with Agricultural Production Commissioner as Chairman and Director of Agriculture as Convenor as per G.O (Rt) No.1024/2019/Agri dated 1/11/2019. This expert committee shall be responsible for periodically reviewing the effectiveness of the quality assurance of agricultural inputs and enforcement activities and to recommend new strategies. Meetings /Workshop shall be conducted to this effect. Apart from this the committee constituted vide G.O (Rt) No.1031/02/2002 for evaluation of organic products shall be re-constituted and the Terms of Reference (ToR) will be modified to establish a regular system for granting approval of standardized organic inputs (fertilizers and pesticides) in the State. An amount of Rs. 0.25 Lakh is earmarked for related expenses including Honorarium, Travel expenses and related expenses.

**7. Developing Web Portal for On-Line Management of Certification, Registration and Licensing of seeds, Fertilizers and Pesticides. (Rs.1.0 Lakh)**

A web portal facilitating an On-line Management System shall enable fast tracking all the processes of Quality Enforcement of seeds, fertilizers and pesticides by the State Enforcement Wing. The web portal shall facilitate a Database / Registry of Certification, Registration and Licensing of seeds, fertilizers and pesticides updated on a regular basis. This will also help in monitoring the production, movement, distribution and the stock & sale position of these inputs. Further, developing an On Line Reporting System is important for timely and accurate reporting of stock position / availability of seeds, fertilizers, pesticides etc from all the districts. IT Cell at the Directorate shall formulate a programme for establishing a tailor made web serving the targeted

functions by themselves or by suitably engaging consultants / external agencies. An amount of Rs.1 Lakh is proposed under this component.

**8. Computer Infrastructure and other accessories and Manpower Support for the State Enforcement Cell ( Rs. 3.74488 Lakhs)**

It is proposed to provide support to the Enforcement Cell at the Directorate of Agriculture for providing computer infrastructure of required configuration. This may include other facilities such as multi-functional printer, scanner , set up online platform for conducting trainings and meetings etc at head office and suboffices.

A total provision of Rs 3.74488 Lakh is earmarked for this component.

**ABSTRACT OF FINANCIAL ALLOCATION FOR QUALITY CONTROL ENFORCEMENT WING**

1. Drawal of statutory samples	-	16.40812 Lakhs
2. Surveillance on organic protectants/biopesticides in the market	-	6.00 Lakhs
3. Mass Awareness Programme	-	14.825 Lakhs
4. Training & recognition of input agencies etc	-	22.772 Lakhs
5. Empowering Fertilizer/ Insecticide/Seed Inspectors, enforcement, conduct of workshops, Publication / Purchase of handbook etc	-	10.00 Lakhs
6. Expert Committee on Quality Assurance & Enforcement	-	00.25 Lakhs
8. Development of web portal	\-	01.00 Lakhs
9. Computer infrastructure & other accessories & manpower support for State Enforcement	-	03.74488 Lakhs
<b>TOTAL</b>		<b>75.00 Lakhs</b>

The detailed Physical and Financial targets shown in Annexure I

The expenditure towards implementation of various components of this programme shall be debited under Head of Account 2401-00-105-86- Plan. All rules, formalities and procedures must be strictly followed for the implementation of the programme. The norms of financial propriety shall be followed in to Store purchase rules should be strictly adhered to for all kinds of purchases and Tender/ e-Tender formalities shall be followed wherever necessary.

The Deputy Directors of Agriculture (E&T) will be responsible for implementing the scheme in the districts. The principal Agricultural Officer in the respective districts shall monitor the implementation of the programme. The Additional Director of Agriculture (CP) will monitor the progress of the programmes at the State Level and will ensure that the implementation of the entire programme is as per the existing procedures, rules and regulations.

Sd/-

Director of Agriculture



**Additional Director of Agriculture (CP)**

To

All Principal Agricultural Officers / Project Directors, ATMA  
Deputy Director of Agriculture, IT Cell  
Deputy Director of Agriculture, RATTCs, FTCs  
ADA(QC)s, Trivandrum, Alapuzha, Thrissur, Kozhikkode  
TA, TQ, TF Sections  
CA to all Additional Directors of Agriculture  
Director, SAMETI with C/L

Copy to

Planning Section

IT Cell for publication through Department website

**Physical and financial Targets- Quality Control Enforcement- 2021-22**

Sl No	District	Physical Target (No. of samples)					Paddy Seeds	Vegetable Seeds	Financial Target (Lakh Rs.)	Surveillance of Organic Pesticides/ Bio-Pesticides in the market.	Physiological Target (Lakh)	Physical Target (Lakh)	Amount (Lakh Rs)	Mass Training for Input Agencies (Amount 22.772 Lakh)				Total Amount (Lakh Rs)	Empowering Fertilizer/ Insecticide/ Seed Inspectors, enforce nt, conduct of workshops, publication / Purchase of handbook etc	Expert Committee on Quality Assurance & Enforcement	Development of website & portal	Computer infrastructure & other accessories & support for State Enforcement	Fin Total			
		Fertilizers	Micro Nutrients	Organic Fertilizers	Bio Pesticides	Control Agents								Physiological Target (Lakh)	Amount (Lakh Rs)	No	Amount							No	Amount	No
1	Thiruvananthapuram	310					20	30	2.335					11	0.396	22	1.1	1	0.15	1.646					5.181	
2	Thiruvananthapuram ADA (QC)	260	25	15	15	160	15			10	1.5	48	1.2	11	0.396	22	1.1	1	0.15	1.646					1.5	
3	Kollam	290				120	20	20	0.69932			40	1	11	0.396	22	1.1	1	0.15	1.646					3.34532	
4	Pathanamthitta	190				70	20	20	0.57423			30	0.75	8	0.288	16	0.8	1	0.15	1.238					2.6223	
5	Alappuzha	290				170	45	30	2.25			45	1.125	12	0.432	24	1.2	1	0.15	1.782					5.157	
6	Alappuzha- ADA (QC)	260	25	15	15	160	15			10	1.5														1.5	
7	Kottayam	290				170	20	20	0.80323			45	1.125	11	0.396	22	1.1	1	0.15	1.646					3.57423	
8	Idukki	190				100	20	20	0.7			30	0.75	8	0.288	16	0.8	1	0.15	1.238					2.688	
9	Ernakulam	320				170	35	20	1.02			55	1.375	14	0.504	28	1.4	1	0.15	2.054					4.449	
10	Thrissur	360				180	45	30	2.15			60	1.5	16	0.576	32	1.6	1	0.15	2.326					5.976	
11	Thrissur ADA (QC)	260	25	15	15	160	15			10	1.5														1.5	
12	Palakkad	370				170	80	30	1.05			50	1.25	13	0.468	26	1.3	1	0.15	1.918					4.218	
13	Malappuram	370				175	40	30	1.00759			65	1.625	15	0.54	30	1.5	1	0.15	2.19					4.82259	
14	Kozhikode	350				170	20	20	2.15			45	1.125	12	0.432	24	1.2	1	0.15	1.782					5.057	
15	Kozhikode DA (QC)	260	25	15	15	160	15			10	1.5														1.5	
16	Wayanad	100					20	20	0.27005			15	0.375	4	0.144	8	0.4	1	0.15	0.694					1.33905	
17	Kannur	350					20	30	0.93175			45	1.125	11	0.396	22	1.1	1	0.15	1.646					3.70275	
18	Kasaragod	80					20	30	0.46695			20	0.5	6	0.216	12	0.6	1	0.15	0.966					1.93295	
19	HQ																								3.74488	
	Total	4900	100	60	60	2500	60	425	16.40812	60	6	593	14.825	152	5.472	304	15.2	14	2.10	22.772	10	0.25	1		3.74488	
																										75



Sd/-  
Director