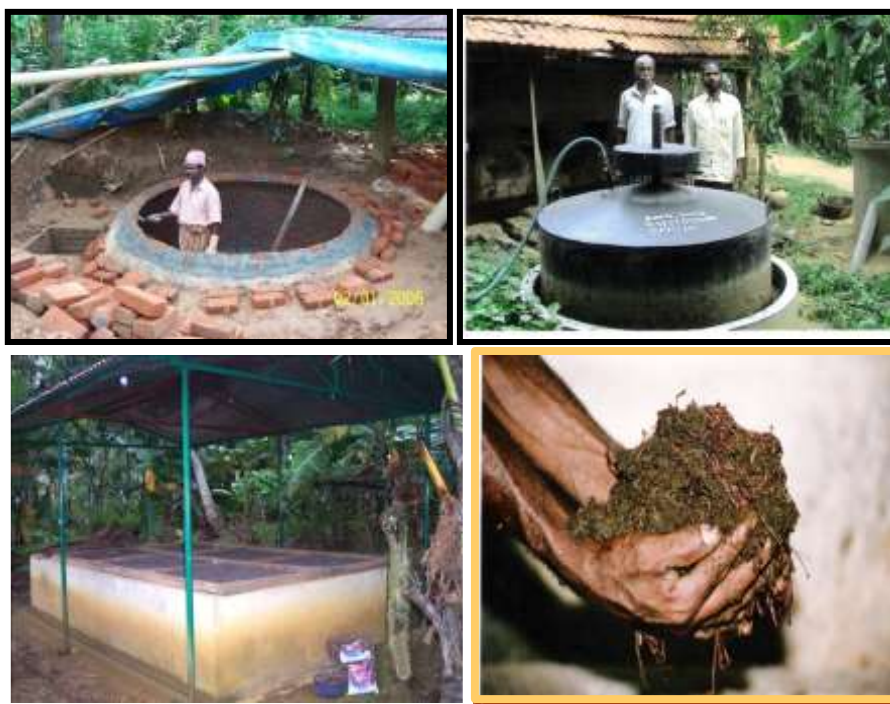




DAIRY DEVELOPMENT DEPARTMENT ANNUAL PLAN : 2021-22

DETAILED PROJECT REPORT



**ASSISTANCE FOR DAIRY DEVELOPMENT IN WAYANAD
(2404-00-102-71)**

TOTAL PLAN OUTLAY : Rs. 25.00 LAKH

**DAIRY DEVELOPMENT DEPARTMENT : PLAN SCHEME 2021-22
DPR-ASSISTANCE FOR DAIRY DEVELOPMENT IN WAYANAD – Rs 25.00 LAKH**

1. INTRODUCTION

Wayanad is a hilly backward district of Kerala. It lies in the southern tip of Deccan plateau. It is one of the beautiful hill stations of the state. It has an area of 2129 Sq. KM and the population is 780167. The district has got unique physical and geographical characteristics with splendid flora and fauna, which comes under the world famous Nilgiris Hot Spot Biosphere. It is well known for its perennial streams, spice plantations, forests, tourism, culture and tradition. Its chief glory is the majestic rugged terrain of the Western Ghats, with lofty ridges interspersed with dense forest, tangled jungles and deep valleys. Wayanad is the Tribal district in Kerala and resides about 33% of the state tribal population. The economy of the district depends entirely on agricultural and allied sector. The major lacunas include problems in the agricultural sector, unemployment, poor agricultural income, non-exploitation of responsible tourism, farm modernization etc. More than 90 % of the population is engaged in agriculture and allied activities.

Wayanad is having considerable area of forest (78787 sq.km.) with a geographical area of 37 percent; the land used for non-agricultural purpose is 11135 sq.km. (5.2 %) and net area saw is 115193 sq.km. (54.1%). The cultivable waste land is 1030sq.km. and the total cropped area is 171340 sq.km. The area under fruit crops is jack 8727 ha, mango 4531 ha, banana 10719 ha, plantain 1326 ha, pineapple 34 ha and other fruit crops 416ha. The area under tuber crops are considerable with tapioca 2327ha, colocasia 185 ha, yam 24 ha, etc. Even though there is tremendous scope of vegetable cultivation including the cool season vegetables, the total cultivated area under this item is not satisfactory and not able to exploit the possibilities.

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Majority of the population of Wayanad depends on agriculture and allied activities. The major agriculture crops are coffee, rice, pepper, banana, Jack, mango, plantain, arecanut, coconut, vegetables ginger etc. Agriculture is becoming unattractive and many farmers are reluctant to engage in regular agricultural practices because of the diseases of major crops, volatile price of primary agricultural produces, lack of effective post-harvest management etc. The situation became worse in the ground of excessive use of chemical pesticides and draught. Wayanad has become well known at national level for farmer's suicide from 1999 to 2004 due to the above problems.

In light of the problems in agriculture sector dairying become the promising sector for the alternative source of income and sustainability of Wayanad. Now a day, the major source for the livelihood support to the low and middle income group in the district is cattle rearing. This is due to the assured price and market of milk along with 100 percent procurement facilities by the dairy co-operatives. Cattle rearing contribute the most important essential organic inputs such as cow dung and cow urine for the Good Agricultural Practice. Biogas plants not only generate non-recurring and cheapest energy production but also produces the most valuable enriched bio- manure (slurry) which is having about three times nutritional value than cow dung. In addition to this, bio-gas controls methane pollution which is very important as far as the environment protection is concerned.

Wayanad is having comparatively better infrastructure facilities in dairy sector. The district is declared as "High Tech Dairy District" in 2016 by Govt. of Kerala. The utilization of Information Communication Technology is another remarkable achievement. The strength of the co-operative sector in the district is so powerful and there are no milk procurement agencies other than co-operative sector in the district. There are 56 dairy co-operatives registered and working in the district

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and there is no defunct society. The total milk procurement from the district during 2020-21 is 901.32 lakh. The average milk procurement by the dairy co-operatives in the district is about 3600 liters per day, whereas the state average is 380 litres. Major Dairy Co-operative Societies collect between 10,000 and 24,000 liters of milk per day in this district. The societies which are procuring higher quantity of milk are having wider area of operation. The proposed Food Safety and Standards Act (FSSA-2006) firmly ensure strict hygienic methods for production, procurement and processing of milk.

The status report in connection with Dairy Sector is as follows,

WAYANAD-PROFILE-DAIRYING ACTIVITY		
Sl.No	PARTICULARS	DATA
01. GENERAL PROFILE		
1	NAME OF THE DISTRICT	WAYANAD
2	NO. OF PANCHAYATS COMING UNDER DESU	23
3	NO. OF MUNICIPALITIES / CORPORATION COMING UNDER THE DESU	3
4	TOTAL GEOGRAPHICAL AREA (SQ.KM)	2116
5	TOTAL HUMAN POPULATION (Number)	773234
6	TOTAL CATTLE POPULATION (In No.s)	87003
7	TOTAL NO. OF MILCH ANIMALS (In No.s)	59575
8	TOTAL AREA UNDER FODDER CULTIVATION (Ha)	1385
9	NO. OF FARMERS REGISTERED UNDER DBT PROGRAMME (No.)	37386

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10	AVERAGE NO. OF MILK POURING FARMERS IN DCS (No.)	18933
02. MILK PROCUREMENT/MILK PRODUCTION/AVAILABILITY/GAP		
11	MILK PROCUREMENT THROUGH DCS LITRE PER DAY (AVERAGE)	234416
12	MILK PROCUREMENT THROUGH DCS LAKH LITRE PER ANNUM 12 = (11 X 365 / 100000)	856
13	TOTAL MILK PRODUCTION UNDER DESU LITRE PER DAY (AVERAGE)	327284
14	TOTAL MILK PRODUCTION UNDER DESU LAKH LITRE PER ANNUM 14 = (13 X 365 / 100000)	1195
15	DEMAND FOR MILK UNDER DESU (BASED ON POPULATION) LITRE PER DAY (AVERAGE)	193307
16	DEMAND FOR MILK UNDER DISTRICT (BASED ON POPULATION) LAKH LITRE PER ANNUM 16 = (15 X 365 / 100000)	706
17	GAP BETWEEN DEMAND AND PRODUCTION LITRE PER DAY - 17 = 15 - 13	-133977
18	GAP BETWEEN DEMAND AND PRODUCTION LAKH LITRE PER ANNUM - 18 = 16 - 14	-489
03. FUND UTILISATION - ABSTRACT (AMOUNT IN RS)		
19	TOTAL DEPT PLAN FUND 2018-19	35319815
20	TOTAL DEPT PLAN FUND 2019-20	41225496
21	TOTAL DEPT PLAN FUND 2020-21	28443254
22	TOTAL LSGD FUNDS 2018-19	41303665
23	TOTAL LSGD FUNDS 2019-20	33126900
24	TOTAL LSGD FUNDS 2020-21	74558635
		0
25	TOTAL FUND (DEPT PLAN FUND + LSGD) - 2018-19	76623480
26	TOTAL FUND (DEPT PLAN FUND + LSGD) -	74352396

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	2019-20	
27	TOTAL FUND (DEPT PLAN FUND + LSGD) - 2020-21	103001889
04. LSGD FUND UTILISATION - DETAILED		
1. CATTLE FEEDING SUBSIDY / MILK INCENTIVE		
28	GRAMA PANCHAYAT 2018-19	986000
29	GRAMA PANCHAYAT 2019-20	1800000
30	GRAMA PANCHAYAT 2020-21	20400000
31	BLOCK PANCHAYAT 2018-19	22129665
32	BLOCK PANCHAYAT 2019-20	20478279
33	BLOCK PANCHAYAT 2020-21	21830241
34	ZILLA PANCHAYAT 2018-19	13388000
35	ZILLA PANCHAYAT 2019-20	2355148
36	ZILLA PANCHAYAT 2020-21	25055534
37	MUNICIPALITY / CORPORATION 2018-19	4800000
38	MUNICIPALITY / CORPORATION 2019-20	5332473
39	MUNICIPALITY / CORPORATION 2020-21	7272860
40	SUB TOTAL - LSGD FUNDS - CATTLE FEEDING / MILK INCENTIVE 2018-19	41303665
41	SUB TOTAL - LSGD FUNDS - CATTLE FEEDING / MILK INCENTIVE 2019-20	29965900
42	SUB TOTAL - LSGD FUNDS - CATTLE FEEDING / MILK INCENTIVE 2020-21	74558635
05. CATTLE INDUCTION DETAILS		
43	NO. OF MILCH ANIMALS INDUCTED THROUGH DEPT PLAN SCHEME 2017-18	240
44	NO. OF MILCH ANIMALS INDUCTED THROUGH DEPT PLAN SCHEME 2018-19	247
45	NO. OF MILCH ANIMALS INDUCTED THROUGH DEPT PLAN SCHEME 2019-20	317
46	NO. OF MILCH ANIMALS INDUCTED THROUGH DEPT PLAN SCHEME 2020-21	154
47	NO. OF MILCH ANIMALS INDUCTED THROUGH LSGD SCHEMES 2017-18	0

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48	NO. OF MILCH ANIMALS INDUCTED THROUGH LSGD SCHEMES 2018-19	0
49	NO. OF MILCH ANIMALS INDUCTED THROUGH LSGD SCHEMES 2019-20	59
50	NO. OF MILCH ANIMALS INDUCTED THROUGH LSGD SCHEME 2020-21	0
51	TOTAL MILCH ANIMALS - DEPT + LSGD - 2017-18 (ACTUALS)	240
52	TOTAL MILCH ANIMALS - DEPT + LSGD - 2018-19 (ACTUALS)	247
53	TOTAL MILCH ANIMALS - DEPT + LSGD - 2019-20 (ACTUALS)	376
54	TOTAL MILCH ANIMALS - DEPT + LSGD - 2020-21	154
55	NO. OF HEIFERS INDUCTED THROUGH DEPT PLAN SCHEME 2017-18	105
56	NO. OF HEIFERS INDUCTED THROUGH DEPT PLAN SCHEME 2018-19	75
57	NO. OF HEIFERS INDUCTED THROUGH DEPT PLAN SCHEME 2019-20	58
58	NO. OF HEIFERS INDUCTED THROUGH DEPT PLAN SCHEME 2020-21	27
59	NO. OF HEIFERS INDUCTED THROUGH LSGD SCHEMES 2017-18	0
60	NO. OF HEIFERS INDUCTED THROUGH LSGD SCHEMES 2018-19	0
61	NO. OF HEIFERS INDUCTED THROUGH LSGD SCHEMES 2019-20	0
62	NO. OF HEIFERS INDUCTED THROUGH LSGD SCHEMES 2020-21	0
63	TOTAL HEIFERS - DEPT + LSGD - 2017-18	105
64	TOTAL HEIFERS - DEPT + LSGD - 2018-19	75
65	TOTAL HEIFERS - DEPT + LSGD - 2019-20	58
66	TOTAL HEIFERS - DEPT + LSGD - 2020-21	27
06. FODDER DEVELOPMENT		

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67	BARREN LAND UTILISED FOR FODDER CULTIVATION (HA) 2017-18	8
68	BARREN LAND UTILISED FOR FODDER CULTIVATION (HA) 2018-19	5
69	BARREN LAND UTILISED FOR FODDER CULTIVATION (HA) 2019-20	5
70	BARREN LAND UTILISED FOR FODDER CULTIVATION (HA) 2020-21	6
71	ADDITIONAL AREA (HA) BROUGHT UNDER FODDER CULTIVATION (OTHER THAN BARREN LAND) 2017-18	118
72	ADDITIONAL AREA (HA) BROUGHT UNDER FODDER CULTIVATION (OTHER THAN BARREN LAND) 2018-19	95
73	ADDITIONAL AREA (HA) BROUGHT UNDER FODDER CULTIVATION (OTHER THAN BARREN LAND) 2019-20	210
74	ADDITIONAL AREA (HA) BROUGHT UNDER FODDER CULTIVATION (OTHER THAN BARREN LAND) 2020-21	108
07. CATEGORISATION BASED ON NO. OF MILCH ANIMALS REARED AND AREA OF FODDER CULTIVATED		
75	COMMERCIAL DAIRY FARMS WITH MORE THAN 100 MILCH ANIMAL	2
76	COMMERCIAL DAIRY FARMS WITH MILCH ANIMALS IN THE RANGE OF 51-100	3
77	COMMERCIAL DAIRY FARMS WITH MILCH ANIMALS IN THE RANGE OF 21 - 50	37
78	COMMERCIAL DAIRY FARMS WITH MILCH ANIMALS IN THE RANGE OF 11 - 20	136
79	COMMERCIAL DAIRY FARMS WITH MILCH ANIMALS IN THE RANGE OF 5 - 10	725
80	NO. OF FODDER PLOTS - ABOVE 5 ACRE	31
81	NO. OF FODDER PLOTS - WITH AREA BETWEEN 2.5 ACRE TO 5 ACRE	128
82	NO. OF FODDER PLOTS - WITH AREA BETWEEN 1 ACRE TO 2.5 ACRE	476

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08. DCS PROFILE		
83	TOTAL REGISTERED DCS - APCOS	55
84	TOTAL REGISTERED DCS - TRADITIONAL	1
85	TOTAL REGISTERED DCS 133 = 131 + 132	56
86	TOTAL DCS - FUNCTIONAL - APCOS	55
87	TOTAL DCS - FUNCTIONAL - TRADITIONAL	1
88	TOTAL DCS - FUNCTIONAL 136 = 134 + 135	56
89	TOTAL DCS - DORMANT - APCOS	0
90	TOTAL DCS - DORMANT - TRADITIONAL	0
91	TOTAL DORMANT DCS 139 = 137 + 138	0
09. SEGREGATION OF DCS BASED ON PER DAY PROCUREMENT (NO. OF DCS)		
APCOS		
92	LESS THAN 100 LPD - APCOS	0
93	101 - 150 LPD - APCOS	0
94	151 - 200 LPD - APCOS	0
95	201 - 400 LPD - APCOS	2
96	401 - 700 LPD - APCOS	4
97	701 - 1000 LPD - APCOS	5
98	1001 - 1500 LPD - APCOS	4
99	1501 - 3000 LPD - APCOS	18
100	3001 - 5000 LPD - APCOS	11
101	5001 - 7500 LPD - APCOS	5
102	7501 - 10,000 LPD - APCOS	1

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103	10,001 - 15,000 LPD - APCOS	3
104	ABOVE 15,000 LPD - APCOS	2
<i>No. of DCS with Local sales</i>		0
105	BELOW 10 % - APCOS	23
106	BETWEEN 10 - 20 % - APCOS	26
107	BETWEEN 20 - 30 % - APCOS	3
108	ABOVE 30 % - APCOS	3
TRADITIONAL		0
109	LESS THAN 100 LPD - TRADITIONAL	0
110	101 - 150 LPD - TRADITIONAL	0
111	151 - 200 LPD - TRADITIONAL	0
112	201 - 400 LPD - TRADITIONAL	0
113	401 - 700 LPD - TRADITIONAL	0
114	701 - 1000 LPD - TRADITIONAL	0
115	1001 - 1500 LPD - TRADITIONAL	0
116	1501 - 3000 LPD - TRADITIONAL	0
117	3001 - 5000 LPD - TRADITIONAL	0
118	5001 - 7500 LPD - TRADITIONAL	0
119	7501 - 10,000 LPD - TRADITIONAL	0
120	10,001 - 15,000 LPD - TRADITIONAL	0
121	ABOVE 15,000 LPD - TRADITIONAL	1
<i>No. of DCS with Local sales</i>		0
122	BELOW 10 % - TRADITIONAL	0
123	BETWEEN 10 - 20 % - TRADITIONAL	1
124	BETWEEN 20 - 30 % - TRADITIONAL	0
125	ABOVE 30 % - TRADITIONAL	0
TOTAL DCS		0

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126	LESS THAN 100 LPD - TOTAL DCS	0
127	101 - 150 LPD - TOTAL DCS	0
128	151 - 200 LPD - TOTAL DCS	0
129	201 - 400 LPD - TOTAL DCS	2
130	401 - 700 LPD - TOTAL DCS	4
131	701 - 1000 LPD - TOTAL DCS	5
132	1001 - 1500 LPD - TOTAL DCS	4
133	1501 - 3000 LPD - TOTAL DCS	18
134	3001 - 5000 LPD - TOTAL DCS	11
135	5001 - 7500 LPD - TOTAL DCS	5
136	7501 - 10,000 LPD - TOTAL DCS	1
137	10,001 - 15,000 LPD - TOTAL DCS	3
138	ABOVE 15,000 LPD - TOTAL DCS	3
<i>No. of DCS with Local sales</i>		0
139	BELOW 10 % - TOTAL DCS	23
140	BETWEEN 10 - 20 % - TOTAL DCS	27
141	BETWEEN 20 - 30 % - TOTAL DCS	3
142	ABOVE 30 % - TOTAL DCS	3
143	NO. OF DCS WITH AMCU (FUNDED BY DAIRY DEPT)	56
144	NO. OF DCS WITH AMCU (FUNDED BY OTHER AGENCY)	20
145	NO. OF DCS WITH BMCC	36
146	NO. OF DCS WITH CHILLING CENTRES	1
147	NO. OF DCS WITH MILK PROCESSING UNITS	5
148	NO. OF DCS WITH FARMER FACILITATION CENTRES	35
149	NO. OF DCS FUNDED FOR HYGENIC MILK COLLECTION ROOM	51

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150	NO. OF DCS WITH SOLAR ENERGY CONSERVATION SYSTEM	1
151	NO. OF DCS WITH RAIN WATER HARVESTING SYSTEM	1
152	NO. OF DCS HAVING INSTALLED EFFLUENT TREATMENT SYSTEM	7
153	NO. OF DCS TO WHICH CORPUS FUND UNDER INVESTMENT TO DCS WAS EXTENDED	9
154	NO. OF DCS MARKETING OWN BRANDED PACKED MILK AND MILK PRODUCTS	5
155	NO. OF DCS WITH COMPUTER AND INTERNET FACILITY	56
156	NO. OF DCS WHERE SECTION 80 IS IMPLEMENTED - AS PER PAY REVISION I	51
157	PERCENTAGE OF DCS COVERED UNDER SEC 80 - AS PER PAY REVISION I	368
158	NO. OF EMPLOYEES COVERED UNDER SEC 80 - AS PER PAY REVISION I	286
159	PERCENTAGE OF EMPLOYEES COVERED UNDER SEC 80 - AS PER PAY REVISION I	331
160	NO. OF DCS WHERE SECTION 80 IS IMPLEMENTED - AS PER PAY REVISION II	49
161	PERCENTAGE OF DCS COVERED UNDER SEC 80 - AS PER PAY REVISION II	349
162	NO. OF EMPLOYEES COVERED UNDER SEC 80 - AS PER PAY REVISION II	290
163	PERCENTAGE OF EMPLOYEES COVERED UNDER SEC 80 - AS PER PAY REVISION II	316
164	NO. OF DCS FUNCTIONING IN OWN BUILDING	54
165	NO. OF DCS WITH NO OWNERSHIP OF LAND AND BUILDING	2
09. DESU LEVEL KDFWF DETAILS		
166	NO. OF REGISTERED MEMBERS (AS ON 31.03.2020)	25544
167	NO. OF PENSIONERS (AS ON 31.03.2020)	6033
168	NO. OF FAMILY PENSIONERS (AS ON 31.03.2020)	316

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169	MARRIAGE ASSISTANCE SANCTIONED (NO-AS ON 31.03.2020)	459
170	CREMATION ASSISTANCE (NO-AS ON 31.03.2020)	838
171	EDUCATIONAL SCHOLARSHIP (NO-AS ON 31.03.2020)	42
172	AMSHADAYAM PAYMENT PENDING FROM DCS (Rs)	588695
10. FLOOD DISASTER / REBUILD KERALA INITIATIVE DETAILS		0
173	NO. OF MILCH ANIMALS LOST DURING FLOODS 2018	97
174	NO. OF MILCH ANIMALS LOST DURING FLOODS 2019	72
175	NO. OF MILCH ANIMALS LOST DURING FLOODS 2020	25
176	TOTAL MILCH ANIMAL LOST DUE TO FLOODS OF 2018, 2019 AND 2020	194
177	NO. OF HEIFERS LOST DURNG FLOOD (2018, 2019 & 2020 FLOODS)	68
178	NO. OF CATTLE SHED FULLY / PARTIALLY DAMAGED AS A RESULT OF 2018 FLOOD	187
179	NO. OF CATTLE SHED FULLY / PARTIALLY DAMAGED AS A RESULT OF 2019 FLOOD	289
180	NO. OF CATTLE SHED FULLY / PARTIALLY DAMAGED AS A RESULT OF 2020 FLOOD	103
181	TOTAL NO. OF CATTLE SHED FULLY / PARTIALLY DAMAGED AS A RESULT OF FLOODS 2018, 2019 & 2020	579
182	NO. OF DCS WHICH WERE SIGNIFICANTLY AFFECTED (INFRASTRUCTURE LOSS) AS A RESULT OF FLOOD (2018, 2019 & 2020)	9
183	TOTAL MONITORY LOSS CALCULATED AS A RESULT OF FLOOD 2018, 2019 & 2020 (Rs)	75405044
184	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH DEPT LEVEL SPECIAL REHABILITATION PROGRAMMES OF 2018 - 19	180
185	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH DEPT LEVEL SPECIAL REHABILITATION PROGRAMMES OF 2019-20	135

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186	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH DEPT LEVEL SPECIAL REHABILITATION PROGRAMMES OF 2018-19 & 2019-20	315
187	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH OTHER INITIATIVES 2018-19	37
188	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH OTHER INITIATIVES 2019-20	162
189	NO. OF MILCH ANIMALS ALREADY REPLACED THROUGH OTHER INITIATIVES 2018-19 & 2019-20	199
190	NO. OF CATTLE SHED ALREADY REPLACED THROUGH OTHER INITIATIVES (2018-19 & 2019-20)	15
		0

11. COMPREHENSIVE DAIRY INSURANCE SCHEME (EXISTING)

191	TARGET ALREADY GIVEN TO DESU (NO.)	3250
192	NO. OF FARMERS ENROLLED TILL DATE	2461
193	NO. OF DCS EMPLOYEES ENROLLED TILL DATE	25
194	NO. OF DCS ADDED FROM THE DESU	36
195	PREMIUM ALREADY PAID TILL DATE (Rs)	5970219
196	CONTRIBUTION ALREADY MADE BY DCS TOWARDS INSURANCE (Rs)	7500
197	CONTRIBUTION ALREADY MADE BY REGIONAL UNION TOWARDS INSURANCE (Rs)	0
198	TOTAL PREMIUM PAID EXCLUDING GOVT. SHARE AND REGIONAL UNION SHARE (Rs)	5970219
199	WHETHER THE SCHEME IS LINKED WITH LSGD ? IF YES, INDICATE THE SHARE FROM LSGD (Rs)	0

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12. SUBHIKSHA KERALAM		
200	NO. OF MILCH ANIMALS EXPECTED INDUCTED AS A PART OF SUBHIKSHA KERALAM	0
201	NO.OF BENEFICIARIES PROPOSED SELECTED FOR MILCH ANIMAL INDUCTION	0
202	AMOUNT BENCHMARKED FOR HERD INDUCTION - SUBHIKSHA KERLALAM (Rs)	0
203	ADDITIONAL AREA BROUGHT UNDER FODDER CULTIVATION - UNDER SUBHIKSHA KERALAM (Area in Ha)	0
204	NO. OF BENEFICIARIES SELECTED FOR FODDER DEV. PROGRAMME	0
205	TOTAL AMOUNT BENCHMARKED BY LSGD'S FOR DIFFERENT SCHEMES UNDER SUBHIKSHA KERALAM (Rs)	0
13. KISSAN CREDIT CARD ASPECTS		
206	NO. OF APPLICATIONS SUBMITTED BY FARMERS TO DCS	11230
207	NO. OF APPLICATIONS ALREADY SUBMITTED TO BANKS	11009
208	NO. OF APPLICATIONS APPROVED BY BANK	1299
209	NO. OF FARMERS WHO HAVE AVAILED KCC TILL DATE	3503
210	NO. OF APPLICATIONS REJECTED BY BANKS	351
211	NO. OF FARMERS WHO HAVE AVAILED LOANS WITH KCC FACILITY	1895
212	TOTAL CREDIT AMOUNT SANCTIONED BY BANKS UNDER KCC FACILITY (Rs)	51411562
14. MNREGS : 2019-20 & 2020-21		
213	NO. OF CATTLE SHED CONSTRUCTED : 2019-20	406
214	NO. OF CATTLE SHED CONSTRUCTED / PROPOSED : 2020-21	635

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215	FODDER CULTIVATION (HA) : 2019-20	36
216	FODDER CULTIVATION (HA) : 2020-21	110
217	AZOLLA CULTIVATION (NO. OF UNITS) : 2019-20	0
218	AZOLLA CULTIVATION (NO. OF UNITS) : 2020-21	126
219	COW DUNG PITS / URINE COLLECTION TANKS (No.s) : 2019-20	89
220	COW DUNG PITS / URINE COLLECTION TANKS (No.s) : 2020-21	121

The climatic and geographical conditions of district are well suitable for Dairying and Animal Husbandry activities. Milk with international standards can be produced with minimum investment. This small district stands first in the milk production potentially and keeps second position in the milk procurement in Kerala. The economy of the district is entirely depends on agricultural products coupled with increased expenditure on livelihood necessities has lacking in the district. Other lacunas include low literacy compared to other districts, dense forests, large tribal population, unemployment and poor agricultural income. Over 90% of the population is engaged in dairy and animal husbandry operations. It has been proved beyond doubt that among the agricultural operations, dairy farming is the most promising one. Per capita availability of land in Wayanad is higher than other districts in Kerala. The tribal population is mainly engaged in Cattle rearing; agricultural byproducts like Paddy Straw, tea waste, coffee husk and rice bran are available in plenty. As such, meat animal production could be undertaken has a major activity to augment production in the districts.

02. BUDGET PROVISION 2021-22 AND ASSISTANCE TO DAIRY DEVELOPMENT IN WAYANAD

As per the budget estimate 2021-22, Rs 25.00 lakh has been benchmarked under the H.O.A – 2404-00-102-71 for providing financial assistance to Dairy Development activities in Wayanad. As per the Plan document, the amount is intended for installation of bio-gas units, other bio inputs and for undertaking training related activities. The Scheme components are proposed to be implemented with the leadership of the Department directly or through NGO's.

03. OBJECTIVES:

The scheme envisages to provide,

- To provide assistance for establishing 40 biogas units in the district.
- To assist in infrastructure development in dairy sector by providing need based assistance to 47 progressive dairy farmers of Wayanad.
- To provide feed supplements like mineral mixture and vitamins to ensure that the milk production does not drop and the animals does not suffer from mineral deficiency due to lack of sufficient green fodder during the summer months.
- To promote the use of slurry and bio fertilizers in the agricultural land.
- To promote the use of slurry in growing the vegetables.
- Assistance for awareness programmes and training programmes for promoting the implementation of eco-friendly dairy farming and energy conservation methods in dairying.

04. BENEFICIARIES:

Beneficiaries will be those farmers who are rearing cattle for the livelihood and who are interested in setting biogas plants and infrastructure development in dairy sector.

The beneficiaries will be selected as per the following criteria.

1. Those progressive and elite dairy farmers of Wayanad district who rear more number of cattle.
2. Women and beneficiaries from SC and ST communities.
3. Farmers engaged in integrated farming.
4. Farmers who are capable of contributing the beneficiary contribution
for completing the project.
5. Farmers who are already engaged in organic cultivation.

05. STAKE HOLDERS:

- Dairy Development Department
- Dairy Co-operative Societies
- Dairy farmers
- NGO like Brahmagiri Development Society
- Nationalized, Scheduled and Co-operative Banks.

06. FINANCIAL OUTLAY

SCHEME COMPONENTS WITH FINANCIAL BREAKUP

Savings in any one component shall be utilised for any other component in the scheme.

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ASSISTANCE FOR DAIRY DEVELOPMENT IN WAYANAD : 2021-22 2404-00-102-71								
SI.No	Activity	Units	ONE UNIT			TOTAL UNITS		
		No.	Unit cost	Plan fund per unit	Beneficiary contribution	Total cost	Total plan fund	Total beneficiary contribution
			Rs.	Rs.	Rs.	Rs. in lakhs	Rs.in lakhs	Rs.in lakhs
1	Construction of Biogas plant	40	42500	20000	22500	17	8	9
2	Need based assistance to progressive dairy farmers of Wayanad	47	50000	25000	25000	23.5	11.75	11.75
3	Distribution of mineral mixture	4637	135	100	35	6.25995	4.637	1.62295
4	Awareness cum training program	87	220	220	0	0.1914	0.1914	0
5	Implementation, documentation and monitoring charges	1	42200	42200	0	0.422	0.422	0
GRAND TOTAL						47.373	25.000	22.373

07. SCHEME PROPER

7.1. ASSISTANCE FOR ESTABLISHING BIO GAS UNITS

(Rs. 8.00 Lakh)

Biogas is produced by processing residual waste from livestock (dung, manure and uneaten food), food production (fruit and vegetable waste, residues from meat, fish and dairy processing, brewery waste, food waste and much more) and effluents from industrial as well as municipal wastewater treatment plants. By constructing biogas power plants, agriculture assumes an important contribution to supplying energy from renewable resources as well as to the disposal of organic wastes. Digestates are produced as a by-product of biogas manufacturing, which can in turn be used as high-quality digestate.

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The implementation of the Recycling and Waste Management Act is perfectly implemented with the construction of rural biogas power plants from an economic and environmental perspective.

The scheme component envisage to establish 2 M³ biogas plant for 50 progressive dairy farmers of the district.

It is proposed to establish deena bandhu type of bio-gas unit or other types which are approved by the Government of Kerala.

FINANCIAL OUTLAY

Unit cost	Unit subsidy	Total units	Plan fund	Beneficiary contribution	Total cost
(Rs.)	(Rs.)	(No.)	(Rs. in lakhs)	(Rs. in lakhs)	(Rs. in lakhs)
42500	20000	40	8.00	9.00	17.00

IMPLEMENTING, MONITORING AND EVALUATION

Brahmagiri Development Society, Wayanad an NGO registered under the Dairy Development Department shall be the implementing agency. The Deputy Director, Dairy Development shall be responsible for the district wide implementation of the programme. The Deputy Director shall co-ordinate the beneficiary, BDS, Dairy Development official for successful implementation of the programme. The Deputy Director shall report the progress periodically to the Director, Dairy Development.

7.2. NEED BASED ASSISTANCE TO PROGRESSIVE DAIRY FARMERS (Rs 11.75 Lakh)

INTRODUCTION

Majority of the livestock owning households in Kerala comprise of small and marginal farmers and landless labourers. The breakdown of joint family system coupled with rapid urbanization has resulted in many households abandoning this job. However, demand for milk is showing a steady increase. A wide gap exists between the requirement of milk in the state and its production. To exploit this situation, a lot of entrepreneurs are entering into dairy farming activity. However, the government assistances to those people are almost nil. Most of the state government assistances are limited to BPL families only.

Another problem which these private entrepreneurs face is the shortage of labour. Higher wages offered by other sectors make what offered by the dairy farms look like ‘peanuts’. One solution to tide over this crisis is to intensify the level of mechanization at the dairy farm level. At present, the level of mechanization in farm activities is very low. This project envisages improving the penetration of technology into these dairy farms and thus improving productivity and overall profitability.

BENEFICIARIES

Those dairy farmers having more animals shall be the beneficiary of this project. Elite and progressive dairy farmers shall be given priority. By improving their productivity and profitability, a new set of role models can be created for the society to follow. Thus more people can be brought into this sector to do dairy farming in a major way.

PROCESS

The project is kicked off by presenting the scheme to the eligible dairy farmers. Sufficient publicity shall be ensured by publishing the scheme in newspapers, broadcasting in radio and also by informing the possible beneficiaries through dairy co-operatives and DESU level offices.

The beneficiaries who want to get the assistance must purchase dairy farm equipment and present the bill for getting the eligible 50% subsidy limited to a maximum amount of Rs.25,000/-. He can choose as per his requirements from the list. The farm equipment or a combination of equipment (from the provided list of equipment eligible for the aid), can be purchased. Dairy Extension Officer of the concerned DESU shall inspect the dairy farm and make sure that the beneficiary has actually utilized the amount for the purchase of items listed and the date of purchase. If the Dairy Extension officer is satisfied he shall sanction and release the subsidy amount. The beneficiary shall execute an agreement in stamp paper worth the amount (as per existing government norms) in the prescribed proforma with an undertaking that the scheme will be continued for three years.

THE LIST OF ITEMS INCLUDED

01. Milk cans
02. Rubber mat
03. Automatic water bowl
04. Generator
05. Irrigation system (sprinkler system), pump and motor
06. Misters/sprinklers
07. Cattle shed renovation

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08. Slurry pump
09. Silage bunker
10. Biogas plant
11. Wheel barrow
12. Bulk cooler
13. Solar water heater
14. Fan (to be used in the cow shed)
15. Air compressor
16. Digging of open well or bore well
17. Organic manure – vermi-compost manufacturing unit
18. Weighing machine
19. Veterinary care equipment
20. Hand operated packing machine
21. Bi cycle
22. Cream separator
23. Dehorning equipment, tattooing equipment, hoof trimmers
24. Urea enrichment pit
25. Automatic shed cleaning equipment like pressure pump
26. Transportation of dung and urine for pollution control.
27. Seed cost, electricity charges and other maintenance charges for compact machine type hydroponic units funded by department during the previous year.
28. Any other items suitable for dairying subject to the approval of Deputy Director of Dairy Development of the District.

Progressive farmer can avail this scheme by purchasing any one or combination of items mentioned above. The farmer will get assistance of 50% of the cost subject to a maximum limit of Rs. 25,000/-.

Registration fees shall be Rs.170 per beneficiary.

FINANCIAL

Scheme is intended for assisting 47 dairy farmers. Preference shall be given to elite and progressive farmers having more milch animals.

FINANCIAL OUTLAY

Unit cost	Unit subsidy	Total Units	Plan Fund	Loan/ Beneficiary contribution	Total Cost
Rs.	Rs.	Nos.	(Rs. in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
50000	25000	47	11.75	11.75	23.50

CONCLUSION

This project aims to help the progressive dairy farmers with an attempt to reduce their manual labour and increasing the productivity. The project aims at motivating the farmers and thereby to produce a better quality product. The adoption of modern technology will also help to attract educated youth to the sector and also ensure hygienic handling of the nature's perfect food.

7.3. DISTRIBUTION OF MINERAL MIXTURE

(Rs. 4.637 Lakh)

INTRODUCTION

The scheme also envisages providing feed supplements like Mineral Mixture and vitamins to ensure that the milk production does not drop and the animals does not suffer from mineral deficiency due to lack of sufficient green fodder during the summer months. The project

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envisages distributing feed supplement 'Cal Sagar Plus', a product of Indian Immunologicals Limited (a wholly owned subsidiary of the National Dairy Development Board) or its equivalent from other government sector enterprises to farmers pouring milk at Dairy Cooperatives (DCS) in the blocks. The mineral mixture available in 1 kg packs shall be distributed to 4637 no. of beneficiaries each from blocks of wayanad. A daily dose of 50 grams would be sufficient for an animal for a period of 20 days. Calsagar feed pellets are an economical and effective source of calcium for Dairy animals. Calsagar has all the characteristics of an ideal Calsagar supplement.

Calsagar contains 200 gm calcium, 100 gm phosphorus and 40,000 I.U. of coated vitamin D3 per kg. These pellets should be given @ 50-100g for lactating animal per day. Even at 50 gm per animal per day Calsagar provides 10gm of calcium as against 3.3 gm of calcium supplied by liquid calcium at its recommended dose of 100 ml per day. Calsagar is very economical as compared to other liquid feed supplements.

The problem of sub optimal milk production and reproduction caused by inadequate availability of calcium and phosphorus through the feed can be effectively addressed through Calsagar.

The highly bio available and substantial quantity of calcium, phosphorus and vitamin D3 in Calsagar are instrumental in improving milk yield, fat and SNF content in milk and improving the reproductive efficiency of animals.

The beneficiaries shall be selected from among the DESUs in district by the concerned Deputy Director.

FINANCIAL OUTLAY

Sl. No.	Component	No. of units	Unit cost (Rs)	Unit subsidy (Rs.)	Total cost	Plan Fund	Ben. Contribution
					(Rs.in Lakhs)	(Rs. in Lakhs)	(Rs. in Lakhs)
1	Calsagar	4637	135	100	6.25995	4.637	1.62295
Grand Total (Rs. in Lakhs)					6.25995	4.637	1.62295

WORKING OF THE SCHEME

Proper publicity of the scheme will be done by Dairy Extension Officers who will distribute feed supplements through Dairy Co-operatives. Dairy Co-operatives shall supply 1 kg packets of Calsagar plus to eligible farmers by discounting 75% of its cost. 25% of the cost will be collected as beneficiary contribution by the DCS and submitted to DEO of the DESU as Demand Draft in favour of the supplier company. The supplier company shall supply the item to each district and the Deputy Director shall release the subsidy portion upon receipt of invoice from the company.

EXPECTED BENEFITS

- Helps to overcome the mineral deficiency of milch animals
- Helps to overcome health related problems that arise due to mineral deficiency
- Helps to improve the overall health of animals
- Helps to overcome the reproduction related issues to an extent
- Improved productivity and increased profit to farmers.

7.4. AWARENESS CUM TRAINING PROGRAMME

(Rs. 0.1914 Lakh)

The Department can either directly or can entrust Brahmagiri Development Society for conducting the awareness cum training programme to the selected beneficiaries of the scheme. Within the financial limits, training can be given to more number of beneficiaries. Special topics like modern trends in dairy farming, eco-friendly dairy farming, energy conservation techniques in dairying, modernization/automation in dairying, bio-diversification options in dairying, silage making, vermi composting, production and utilisation of vermi wash, bye-product utilization etc can be selected for creating awareness and training to dairy farmers.

Rate – Rs. 220 per beneficiary

No TA/DA shall be provided

The amount can be utilized for payment of rent, hall arrangement charges, audio visual aids, payment of honorarium, purchase of writing material for trainees, refreshment charges etc.

7.5 IMPLEMENTATION, MONITORING AND DOCUMENTATION CHARGES (Rs.0.422 Lakh)

Rs.42,200/- is benchmarked for meeting the implementation, Monitoring and Documentation charges related to implementation of scheme components like construction of biogas units, Need based assistance to progressive farmers of Wayanad, distribution of mineral mixture and Awareness cum training programmes.

8. IMPLEMENTATION, MONITORING AND EVALUATION OF SCHEME COMPONENTS

Wide publicity shall be given for the scheme component through newspapers, channels and other print/electronic media. The beneficiary shall submit the applications before the Dairy Extension Officer of concerned block. The Deputy Director, Wayanad shall be the sanctioning authority for all the scheme components. Centralized training shall be arranged to the maximum extent possible. The Dairy Development Department shall implement the scheme components either directly or with the help of Government approved / accredited agencies like Brahmagiri Development Society, Wayanad (an N.G.O. registered under the Dairy Development Department).

The Deputy Director Dairy Development shall be responsible for the district wide implementation of the programme. The Dairy Extension Officer of concerned DESU shall be responsible for the block level implementation. The Deputy Director shall co-ordinate the beneficiary, BDS, Dairy Department official, financial organisations and other stakeholders for successful implementation of the programme. The Deputy Director shall report the progress periodically to the Director Dairy Development Department.

9. CALENDAR OF ACTIVITIES

CALENDAR OF ACTIVITIES		
SI.NO	ACTIVITY	PERIOD
1	Administrative Sanction	Before 15.04.2021
2	Propaganda for the programme	before 05.05.2021
3	Selection of beneficiaries	before 20.06.2021
4	Implementation of Scheme Components	before 10.08.2021
5	Training Programmes	before 10. 09.2021
6	Release of Plan Assistance	before 10.10.2021
7	Documentation of the Programme	before 10.11.2021
8	State Level Evaluation	before 10.12.2021

10. CONCLUSION

The scheme will help to add to the socio-economic security of dairy farmers of Wayanad. The scheme will help to establish 40 no. of Biogas units, to extend need based assistance to 47 Nos. of Progressive Dairy farmers of Wayanad distribution of 4637 kg mineral mixture and also training to 87 selected beneficiaries. Wayanad Model of Dairy Development Activity is worth replicating to other districts also. The scheme will help the convergence of different stakeholders in the dairying sector of Wayanad.


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DIRECTOR
DAIRY DEVELOPMENT DEPARTMENT