

Sikkim is a small hilly state in the eastern Himalayan zone extending approximately 114 km from North to South and 64 km from East to West. It is surrounded by vast stretches of Tibetan plateau in the North, the Chumbi Valley of Tibet and the Kingdom of Bhutan in the East, Darjeeling district of West Bengal in the South and Nepal in the West. It lies between 27<sup>o</sup> to 28<sup>o</sup> North latitude and 88<sup>o</sup> to 89<sup>o</sup> East Longitude. Sikkim is a wholly state with mountainous terrain consisting of tangled series on interlocking ridges, rising above range, from the South to the foot of the wall of high peaks. The elevation of the State ranges from 300 to 8500 meters amsl consisting of lower hills, mid hills, higher hills, alpine zone and snow bound land.

The State covers 7096 sq. km. area comprising four districts (viz. North, East, South and West) 16 Sub-divisions, 185 GPUs and 1051 wards. The climate of the State varies from sub-tropical in the lower hills to alpine in the upper reaches. The mean annual rainfall varies from 2000mm to 5000mm with intensity from drizzling showers to torrential rains. The greater part of rainfall is received between May to September.

#### **STATUS OF AGRICULTURE IN THE STATE**

Agriculture in Sikkim is essentially a hill agriculture system mostly under rainfed condition with traditional cultivational practices. Agriculture is the main driver of rural economy with over 60% of the total population dependent on agriculture sector. In Sikkim, the best agriculture system would be one which is sustainable in nature, economically viable for individual farmers and environmentally sound.

It is estimated that less than 11 % of the total geographical area of the state is under Agriculture. Out of the total 7,09,600 ha, the total operated area in the state is 90,865.313 ha, with Net area sown of 70,280.73 ha. (Agri. Census 2015-16).

Given the importance to Agriculture sector, several steps have been taken for its development in a sustainable manner. Steps have been initiated to improve soil fertility through the Soil Health Card Scheme; to provide improved access to irrigation and enhanced water efficiency through Pradhan Mantri Krishi Sinchai Yojana (PMKSY) which aims to provide end-to-end solutions in irrigation supply chain, such as creation of water sources, rain water harvesting, distribution network, efficient on-farm application and extension services on new technologies/information.; to support organic farming through Paramparagat Krishi Vikas Yojana (PKVY)

Steps have also been taken for creation of a unified national agriculture market to boost the income of farmers and to develop certified organic production in a value chain mode to link growers with consumers and to support the development of entire value chain starting from inputs, seeds, certification, to the creation of facilities for collection, aggregation, processing, marketing and brand building initiative through the scheme Mission Organic Value Chain Development for North East Region (MOVCD-NER).

Further, to mitigate risk in agriculture sector, a scheme “Pradhan Mantri Fasal Bima Yojana” (PMFBY) was also launched and implemented in the State in the year 2016. The scheme aims to support production in agriculture by providing an affordable crop insurance product to ensure comprehensive risk cover for crops of farmers against all non-preventable natural risks from pre-sowing to post-harvest stage.

Similarly, the National Food Security Mission (NFSM) is a Centrally Sponsored Scheme with an objective to increase production and productivity of Cereals, Pulses, Nutri Cereals and Oilseeds on a sustainable basis so as to ensure food security of the Country. The approach is to bridge the yield gap in respect of these crops through improved technologies and farm management practices to increase production of rice, and pulses through area expansion, crop protection and productivity enhancement in a sustainable manner in the identified districts.

In Sikkim, five components are being implemented under National Food Security Mission (NFSM) namely; NFSM-Rice, NFSM - Pulses, NFSM - Coarse Cereals, NFSM-Nutri - Cereals and NFSM - Oilseeds (NMOOP).

The RKVY scheme was initiated in 2007 by National Development Council under Ministry of Agriculture and Farmers’ Welfare as an umbrella scheme for ensuing holistic development of agriculture and allied sectors by allowing states to choose their own agriculture allied sector development activities as per the district/state agriculture plan.

The State has also implemented the Scheme “Support to State Extension programmes for Extension Reforms” (ATMA)-SAMETI with a aim at making extension system farmer driven and farmer accountable by disseminating new technologies to farmers through cafeteria of activities under ATMA/ SAMETI viz. training, demonstrations, farm schools, exposure visits, formation of Commodity Interest Groups (CIGs)/Food Security Groups, joint visit by Scientist and Extension Functionaries, Incentive for Exemplary Extension Work and Innovative Technology Dissemination through Print Media, Short Films and Kissan Call Centre etc. It is a single window extension delivery system inclusive of Agriculture and Allied sectors.

Farm mechanization plays a critical role in increasing agricultural productivity. Mechanization has been well received in India as one of the important elements of modernization of agriculture, enhancing the agricultural productivity and consequently rural prosperity. In this regard various initiatives have been taken by the Government and in particular, the Department of Agriculture and Farmers Welfare (DAC&FW), Ministry of Agriculture.

The recent scheme to be enrolled in the State is Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) which is a Central Sector scheme with 100% funding from Government of India. The Scheme is effective from 1.12.2018.

Under the Scheme an income support of Rs.6000/- per year is provided to all farmer families across the country in three equal installments of Rs.2000/- each every four months.

In an overview to promote Sikkim as an Organic State and to brand organic product of the State as "Sikkim Organic", the Sikkim Organic Farming Development Agency (SOFDA) plays a vital role in the State.

The department have established number of government farms based on different agro. -climatic regions and sub regions. The main objectives of the farms are multiplication and production of foundation and certified seeds, conduction of adaptive trials and demonstration of the latest crop production technology for adoption in the farmer's field.

The department of late is focusing on developing and adopting innovative technologies and modern agricultural practices in agriculture so as to make it more lucrative for the youth.

#### District wise Numbers of Farms:

Sl.No.	District	Name of the Farm
1	North	Nil
2	East	i. Nazitam Farm
		ii. Dikling Farm
		iii. Chujachen Farm
		iv. Kopchay Farm
3	South	i. Melli Dara Farm
4	West	ii. Daramdin Farm
<b>TOTAL</b>		<b>06</b>

#### District wise Number of VLW Centre:

Sl.No.	District	VLW Centres
1	North	11
2	East	54
3	South	31
4	West	61
<b>TOTAL</b>		<b>157</b>

The Establishment of Agency for Reporting Agricultural Statistics-(EARAS) Scheme is an ongoing programme of the Department which caters the important parameters for yield estimation by implementation of Crop Cutting programme with an objective to obtain reliable and timely estimates of area, production and yield of principal crops in each season.

The Area, Production and Productivity of major Agriculture Crops as estimated through the EARAS Scheme may be seen as under:

**AREA, PRODUCTION & PRODUCTIVITY OF FIELD CROPS IN SIKKIM DURING 2020-21.**

Sl. No.	Crop	Area in 000'ha	Production in 000'tonnes	Productivity in kg/ha
I.	<b>CEREALS</b>			
i.	Rice	8.702	16.191	1860.607
ii.	Wheat	0.104	0.12	1153.846
iii.	Maize	38.39	67.938	1769.680
iv.	Millet	2.054	2.132	1037.975
v.	Barley	0.346	0.404	1167.630
vi.	Buckwheat	3.114	3.073	986.834
<b>TOTAL CEREALS</b>		<b>52.71</b>	<b>89.858</b>	<b>1704.762</b>
II.	<b>PULSES</b>			
vii.	Urd	2.855	2.684	940.105
viii.	Other Pulses	2.284	2.269	993.433
<b>TOTAL PULSES</b>		<b>5.139</b>	<b>4.953</b>	<b>963.806</b>
<b>TOTAL FOOD GRAIN</b>		<b>57.849</b>	<b>94.811</b>	<b>1638.939</b>
III	<b>OIL SEEDS</b>			
ix.	Rape & Mustard	3.17	2.782	877.603
x.	Soybean	2.957	2.886	975.989
<b>TOTAL OILSEED</b>		<b>6.127</b>	<b>5.668</b>	<b>925.086</b>

**DISTRICT WISE AREA PRODUCTION & PRODUCTIVITY OF FILED CROPS IN  
SIKKIM DURING 2020-21**

Sl. No.	Crop	District	Area in 000'ha	Production in 000'tonnes	Productivity in kg/ha
<b>I.</b>	<b>CEREALS</b>				
1	Rice	North	0.923	1.393	1509.209
		East	4.54	8.426	1855.947
		South	1.745	3.432	1966.762
		West	1.494	2.94	1967.871
<b>Total Rice</b>		<b>State</b>	<b>8.702</b>	<b>16.191</b>	<b>1860.607</b>
2	Wheat	North	0	0	0
		East	0.104	0.12	1153.846
		South	0	0	0.000
		West	0	0	0.000
<b>Total Wheat</b>		<b>State</b>	<b>0.104</b>	<b>0.12</b>	<b>1153.846</b>
3	Maize	North	2.828	4.538	1604.668
		East	8.436	14.821	1756.875
		South	13.325	24.317	1824.916
		West	13.801	24.262	1757.989
<b>Total Maize</b>		<b>State</b>	<b>38.39</b>	<b>67.938</b>	<b>1769.680</b>
4	Finger Millet	North	0.611	0.599	980.360
		East	0.754	0.812	1076.923
		South	0.504	0.522	1035.714
		West	0.185	0.199	1075.676
<b>Total Millet</b>		<b>State</b>	<b>2.054</b>	<b>2.132</b>	<b>1037.975</b>
5	Barley	North	0.146	0.174	1191.781
		East	0.2	0.23	1150.000
		South	0	0	0.000
		West	0	0	0.000
<b>Total Barley</b>		<b>State</b>	<b>0.346</b>	<b>0.404</b>	<b>1167.630</b>
6	Buck Wheat	North	0.213	0.209	981.221
		East	1.196	1.204	1006.689
		South	1.312	1.29	983.232
		West	0.393	0.37	941.476
<b>Total Buckwheat</b>		<b>State</b>	<b>3.114</b>	<b>3.073</b>	<b>986.834</b>

<b>DISTRICT WISE AREA PRODUCTION &amp; PRODUCTIVITY OF FILED CROPS IN SIKKIM DURING 2020-21</b>					
	<b>Cereals</b>	North	4.721	6.913	1464.308
		East	15.23	25.613	1681.747
		South	16.886	29.561	1750.622
		West	15.873	27.771	1749.575
<b>Total Cereals</b>		<b>State</b>	<b>52.71</b>	<b>89.858</b>	<b>1704.762</b>
<b>II.</b>	<b>PULSES</b>				
	<b>Urd</b>	North	0.067	0.063	940.299
		East	0.454	0.458	1008.811
		South	1.7	1.593	937.059
		West	0.634	0.57	899.054
<b>Total Urd</b>		<b>State</b>	<b>2.855</b>	<b>2.684</b>	<b>940.105</b>
	<b>Other Pulses</b>	North	0.277	0.266	960.289
		East	0.457	0.451	986.871
		South	1.065	1.105	1037.559
		West	0.485	0.447	921.649
<b>Total Other Pulses</b>		<b>State</b>	<b>2.284</b>	<b>2.269</b>	<b>993.433</b>
	<b>Pulses</b>	North	0.344	0.329	956.395
		East	0.911	0.909	997.805
		South	2.765	2.698	975.769
		West	1.119	1.017	908.847
<b>Total Pulses</b>		<b>State</b>	<b>5.139</b>	<b>4.953</b>	<b>963.806</b>
	<b>Food Grain</b>	North	5.065	7.242	1429.812
		East	16.141	26.522	1643.145
		South	19.651	32.259	1641.596
		West	16.992	28.788	1694.209
<b>Total Food Grain</b>		<b>State</b>	<b>57.849</b>	<b>94.811</b>	<b>1638.939</b>

<b>III</b>	<b>OIL SEEDS</b>				
	Rape & Mustard	North	0.312	0.226	724.359
		East	1.473	1.277	866.938
		South	1.14	1.065	934.211
		West	0.245	0.214	873.469
<b>Total Rape &amp; Mustard</b>		<b>State</b>	<b>3.17</b>	<b>2.782</b>	<b>877.603</b>
	Soyabean	North	0.321	0.28	872.274
		East	1.03	1.032	1001.942
		South	1.268	1.251	986.593
		West	0.338	0.323	955.621
<b>Total Soybean</b>		<b>State</b>	<b>2.957</b>	<b>2.886</b>	<b>975.989</b>
	Oilseed	North	0.633	0.506	799.368
		East	2.503	2.309	922.493
		South	2.408	2.316	961.794
		West	0.583	0.537	921.098
<b>TOTAL OILSEED</b>		<b>State</b>	<b>6.127</b>	<b>5.668</b>	<b>925.086</b>

**SEASONWISE AREA, PRODUCTION AND PRODUCTIVITY OF FIELD CROPS IN  
SIKKIM DURING 2020-21.**

Sl.No.	CROPS	SEASON	AREA IN 000' HA	PRODUCTION IN 000' TONNES	YIELD IN KG/HA
I.	<b>CEREALS</b>				
1	Rice	Kharif	8.702	16.191	1860.607
		Rabi	0	0	0
		<b>Annual</b>	<b>8.702</b>	<b>16.191</b>	<b>1860.607</b>
2	Maize	Kharif	38.39	67.938	1769.680
		Rabi	0	0	0
		<b>Annual</b>	<b>38.39</b>	<b>67.938</b>	<b>1769.680</b>
3	Wheat	Kharif	0	0	0
		Rabi	0.104	0.12	1153.846
		<b>Annual</b>	<b>0.104</b>	<b>0.12</b>	<b>1150.47</b>
4	F/Millet	Kharif	2.054	2.132	1037.975
		Rabi	0	0	0
		<b>Annual</b>	<b>2.054</b>	<b>2.132</b>	<b>1037.975</b>
5	Barley	Kharif	0	0	0
		Rabi	0.346	0.404	1167.630
		<b>Annual</b>	<b>0.346</b>	<b>0.404</b>	<b>1167.630</b>
6	Buckwheat	Kharif	0	0	0
		Rabi	3.114	3.073	986.834
		<b>Annual</b>	<b>3.114</b>	<b>3.073</b>	<b>986.834</b>
<b>TOTAL CEREALS</b>		Kharif	49.146	86.261	1755.199
		Rabi	3.564	3.597	1009.259
		<b>Annual</b>	<b>52.710</b>	<b>89.858</b>	<b>1704.762</b>
II.	<b>PULSES</b>				
1	Urd	Kharif	2.855	2.684	940.105
		Rabi	0	0	0
		<b>Annual</b>	<b>2.855</b>	<b>2.684</b>	<b>940.105</b>
2	Other Pulses	Kharif	2.284	2.269	993.433
		Rabi	0	0	0
		<b>Annual</b>	<b>2.284</b>	<b>2.269</b>	<b>993.433</b>
	TOTAL PULSES	Kharif	5.139	4.953	963.806
		Rabi	0	0	0
		<b>Annual</b>	<b>5.139</b>	<b>4.953</b>	<b>963.806</b>
<b>TOTAL FOOD GRAIN</b>		Kharif	54.285	91.214	1680.280
		Rabi	3.564	3.597	1009.259
		<b>Annual</b>	<b>57.849</b>	<b>94.811</b>	<b>1638.939</b>
III.	<b>OILSEEDS</b>				
1	Soyabean	Kharif	2.957	2.886	975.989
		Rabi	0	0	0
		<b>Annual</b>	<b>2.957</b>	<b>2.886</b>	<b>975.989</b>
2	R/Mustard	Kharif	0	0	0
		Rabi	3.17	2.782	877.603
		<b>Annual</b>	<b>3.17</b>	<b>2.782</b>	<b>877.603</b>
<b>TOTAL OIL SEED</b>		Kharif	2.957	2.886	975.989
		Rabi	3.17	2.782	877.603
		<b>Annual</b>	<b>6.127</b>	<b>5.668</b>	<b>925.086</b>

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## **FIELD CROPS**

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## **NATIONAL FOOD SECURITY MISSION**

National Food Security Mission (NFSM) is a Centrally Sponsored Scheme with an objective to increase production and productivity of Cereals, Pulses, Nutri Cereals and Oilseeds on a sustainable basis so as to ensure food security of the Country.

The approach is to bridge the yield gap in respect of these crops through improved technologies and farm management practices to increase production of rice, and pulses through area expansion, crop protection and productivity enhancement in a sustainable manner in the identified districts.

In Sikkim, five components are being implemented under National Food Security Mission (NFSM) namely; NFSM-Rice, NFSM - Pulses, NFSM - Coarse Cereals, NFSM-Nutri - Cereals and NFSM - Oilseeds (NMOOP).

The total area covered under cropping system, Cluster Demonstration, Area under seed production and intercropping; under NFSM in different clusters depending upon different agri-climatic zone in the year 2020-21 was more than 10000 hectares.

Rice being the principle and major food crop of the state, the total area under this crop is approximately 9000 hectares. Maize is the second most important cereals after Rice covering almost 36000 hectares.

In Sikkim, the total crop lands are predominantly occupied by Rice, Maize, Pulses, Millets, Oilseeds (mustard and soybeans) and Potatoes (Kharif and Rabi). Under local condition, the farmers of Sikkim practice multiple cropping systems mainly based on inter cropping, mixed cropping and sequential cropping.

Government of India, Department of Agriculture, Cooperation and Farmers Welfare sanctioned total allocation of Rs. 672.025 lakhs (GOI + State Share) for implementation of National Food Security Mission (NFSM) for the financial year 2020-21 under different components namely Rice, Pulses Coarse Cereals, Nutri-Cereals and Oilseeds . During the year 2020-21, 45,164 numbers of beneficiaries were covered under National Food Security Mission.

### **BRIEF REPORT ON NATIONAL FOOD SECURITY MISSION (NFSM) IMPLEMENTED DURING 2020-21.**

The total area covered under cropping system, Cluster Demonstration, Area under seed production and intercropping; under NFSM in different clusters depending upon different agro.-climatic zone in the year 2020-21 was more than 10000 hectares.

Rice being the principle and major food crop of the state, the total area under this crop is approximately 9000 hectares.

Maize is the second most important cereals after Rice covering almost 36000 hectares.

In Sikkim, the total crop lands are predominantly occupied by Rice, Maize, Pulses, Millets, oilseeds (mustard and soybeans) and Potatoes (Kharif & Rabi).

Under local condition, the farmers of Sikkim practice multiple cropping systems mainly based on inter cropping, mixed cropping and sequential cropping.

### Progress made under National Food Security Mission during the year 2020-21.

Government of India, Department of Agriculture, Cooperation and Farmers Welfare sanctioned total allocation of ₹ 678.205 lakhs (GOI + State Share) for implementation of National Food Security Mission (NFSM) for the financial year 2020-21 under different components namely Rice, Pulses, Coarse cereals, Nutri Cereals and Oilseeds. During the year 2020-21, 45,164 numbers of beneficiaries were covered under National Food Security Mission.

### The Physical and financial progress component wise under NFSM

COMPONENTS	Unit	PHYSICAL		FINANCIAL (₹ in Lakh)
		Target	Ach	Ach
<b>NFSM-RICE</b>				
1. Cluster Demonstration.	Ha.	92.04	92.04	8.11
2. Certified Seed Distribution	Qtls	15	15	0.0397
3. Plant & Soil Management	Ha.	50	50	0.029
4. Flexi-component	Nos.	407	407	0.050
<b>Total NFSM-Rice</b>				<b>8.23</b>

COMPONENTS	Unit	PHYSICAL		FINANCIAL (₹ in Lakh)
		Target	Ach	Ach
<b>NFSM-PULSES</b>				
1. Demonstration on improved technologies & Distribution of HYV for seed production.	Ha.	549	549	72.326
2. Seed Production & Distribution	Qtls.	474	474	23.70
3. Plant & Soil Management	Ha.	4728	4728	24.804
4. Flexi-component	Nos.	3000	3000	32.890
5. PMT	Nos.	01	01	21.00
<b>Total NFSM-Pulses</b>				<b>174.72</b>

COMPONENTS	Unit	PHYSICAL		FINANCIAL (₹ in Lakh)
		Target	Ach	Ach
<b>NFSM-COARSE CEREALS</b>				
1. Demonstration on improved package & 2. Intercropping	Ha.	1500	1500	90.00
	Ha.	950	950	57.00
3. Distribution of Certified and Hybrid seeds	Qtls.	600	600	86.754
4. Plant and soil protection measures	Ha.	8014	8014	40.073
5. Flexi component	No.	50	50	12.481
<b>Total NFSM-Coarse cereals</b>				<b>286.308</b>

COMPONENTS		PHYSICAL		FINANCIAL
		Target	Ach	(₹ in Lakh)
<b>NFSM-NUTRI CEREALS</b>	Unit			Ach
1. Frontline Demonstration (Finger, Barnyard & Foxtail Millet) & Distribution of Seeds	Ha.	1200	1200	52.263
2. Seed Production	Ha.	547	547	16.41
3. Integrated Nutrient & Pest Management	Ha.	3590	3590	17.091
4. Flexi-Component	No.	700	700	23.294
<b>Total NFSM-Nutri-Cereals</b>				<b>109.057</b>

COMPONENTS		PHYSICAL		FINANCIAL
		Target	Ach	(₹ in Lakh)
<b>NFSM-OILSEEDS</b>	Unit			Ach
1. Production of Foundation & Certified Seeds	Qtls	412	412	30.00
2. Transfer of Technology	Ha.	107	107	27.00
3. Production of Inputs	Ha.	1888	1888	30.00
4. Flexi-components	No.	2138	2138	10.00
5. Project Management expenses				3.00
<b>Total NFSM-Oilseeds</b>				<b>100.00</b>

### Outcomes of NFSM in the State

Since its inception, the Centrally Sponsored Scheme “National Food Security Mission”, has proved to be a great impetus to the farming communities of Sikkim in a varied ways.

This Scheme has helped the farmers in enhancing sustainable production of targeted crops through area expansion under various crops under the Mission.

By inclusion of various interventions under the Scheme, it has not only helped in boosting food production but also it has helped in restoring the fertility status of the soil. The mission has led to economic improvement of the farmers and empowerment of the women farmers through this Scheme.

The very objective of this Scheme National Food Security Mission is well defined and has proved fruitful to the farmers of the State.

**ANNUAL REPORT OF NATIONAL FOOD SECURITY MISSION (NFSM)**

<b>SL NO</b>	<b>PARTICULAR</b>	<b>REMARKS</b>
1	Name of the Scheme	National Food Security Mission (NFSM) National Food Security Mission- Oilseeds & Oil palm (NMOOP)
2	Whether Centrally Sponsored Scheme or State Earmarked Scheme	Centrally Sponsored Scheme
3	Funding Patter	90:10(GoI: State)
4	Details of Sanction Order	
5	Details of Fund received from the GoI:	1 <sup>st</sup> Instalment 286.35(NFSM) 2 <sup>nd</sup> Instalment 284.33(NFSM) 1 <sup>st</sup> Instalment 45.01 (NMOOP) 2 <sup>nd</sup> Instalment 45.01 (NMOOP)
6	Total Fund available	NFSM- 570.68 NMOOP-90.02
7	Unspent balance of previous year	NIL
8	Expenditure during current FY	NFSM- 570.68 NMOOP-90.02
9	Objective of the Scheme	To increase production of cereal, rice, pulses & nutri cereal through expansion & productivity enhancement.
10	Expected outcome	1. Increased production of food grains. 2. Increased in area under cultivation. 3. Increased productivity
11	Progress during Last Financial year 1. Physical Progress ( With photographs) 2. Financial Progress 3. No of beneficiaries covered 4. Area Covered 5. Details of UC submitted	1. Enclosed 2. Enclosed 3. 25,680 beneficiaries. d) Enclosed e) Enclosed

### LIST OF HYBRID / CERTIFIED SEEDS

Sl. No.	Crops	Variety	Quantity (Quintals)
1.	Maize	CP - 333	376.30
		R - 62	80.00
<b>TOTAL</b>			<b>456.30</b>
2.	Mustard	Uttara	60.00
<b>TOTAL</b>			<b>60.00</b>
3.	Urd	SK - PD-3	120.00
<b>TOTAL</b>			<b>120.00</b>
4.	Rajmash	Jwala	131.25
		Varun	15.00
<b>TOTAL</b>			<b>146.25</b>
5.	Millet	Ragi VL 352	101.00
		Foxtail HMT 100-1	27.00
		Barnyard VLMadira 181	30.00
<b>TOTAL</b>			<b>158.00</b>
6.	Barley	VLB 118	28.00
<b>TOTAL</b>			<b>28.00</b>
7.	Soybean	JS-08-21	78.00
<b>TOTAL</b>			<b>78.00</b>

### SEED DISTRIBUTION

Sl. No.	Crops	Total (quintals)
i.	Maize	456.30
ii.	Mustard	60.00
iii.	Urd	120.00
iv.	Rajmash	146.25
v.	Millet	158.00
vi.	Barley	28.00
vii.	Soybean	78.00
<b>Total</b>		<b>1046.55</b>

### AREA COVERAGE UNDER DIFFERENT CROPS

Sl. No.	Crops	Total (Quintals)	Area Covered (Ha)
a.	Maize	456.30	2281.50
b.	Mustard	60.00	750.00
c.	Urd	120.00	800.00
d.	Rajmash	146.25	146.25
e.	Millet	158.00	1316.66
f.	Barley	28.00	28.00
g.	Soybean	78.00	97.50
<b>Total</b>			<b>5419.91</b>

**NUMBER OF SEED TESTING CONDUCTED AT SEED TESTING LABORATORY**

Sl. No.	Interventions	Unit	Physical		Financial		Remarks
			Target	Achievement	Target	Achievement	
1.	Seed Component	Qtl	2.0	2.0	0.20	0.20	Breeder seeds, foundation seeds, certified seeds & HYV seeds.
			20.0	20.0	0.50	0.50	
			390	390	9.75	9.75	
			412.5	412.5	16.5	16.5	
		Nos	305	305	3.05	3.05	Seed storage bins
2.	Transfer of Technology	Ha	472	472	17.22	17.22	Block demonstration
			107	107	5.35	5.35	
		Nos	4.0	4.0	1.04	1.04	IPM demonstrations Officers training Farmers training
			1.0	1.0	0.36	0.36	
			12.0	12.0	3.00	3.00	
3.	Production of inputs	Ha	300.00	300.00	2.25	2.25	Distribution of organic inputs Supply of Rhizobium
			633.00	633.00	1.90	1.90	
		Nos	1888	1888	9.436	9.436	Distribution of plant protection Power sprayer
			93.0	93.0	4.656	4.656	
		Mtr	23500	23500	11.75	11.75	HDPE Pipe
		4.	Flexi component	Nos	10	10	3.00
800	800				4.00	4.00	
1000	1000				3.00	3.00	

SL. NO.	MONTH & YEAR	C/SEED SAMPLE TESTED	C/SEED SAMPLE REJECTED	SERVICE SAMPLE TESTED	SERVICE SAMPLE REJECTED	CUMMULATIVE TOTAL
1.	April - 2020	01	-	201	02	203
2.	May - 2020	11	-	203	01	204
3.	June - 2020	06	-	189	03	192
4.	July - 2020	00	-	198	03	201
5.	Aug - 2020	00	-	316	06	322
6.	Sept - 2020	17	02	298	01	290
7.	Oct - 2020	20	01	301	08	309
8.	Nov - 2020	00	-	261	02	263
9.	Dec - 2020	00	-	288	03	293
10.	Jan - 2021	11	-	306	06	312
11.	Feb - 2021	14	01	206	02	208
12	Mar - 2021	06	-	186	03	189
<b>TOTAL</b>		<b>86</b>	<b>04</b>	<b>2953</b>	<b>40</b>	<b>2986</b>

**PROGRAMME IMPLEMENTED BY FIELD CROP SECTION DURING 2020 - 2021**

**1. a National Food Security Mission - Rice (NFSM - Rice)**

Sl. No.	Interventions	Unit	Physical		Financial		Remarks
			Target	Achievement	Target	Achievement	
1	Cluster Demonstration	Ha.	50.75	50.75	5.38	5.38	Including line transplanting, demonstration on hybrid rice & cropping system-based demonstration
2	Seed Distribution	Qtl.	79.00	79.00	1.74	1.74	HYV Seeds
3	Plant & Soil management	Ha.	52.00	52.00	0.52	0.52	Micronutrient, biofertilizer, lime
4	Flexi Component	Nos	25	25	0.20	0.20	Power operated sprayer
		Mtr	408	408	0.20	0.20	HDPE Pipe
		Nos	6.0	6.0	0.20	0.20	Training



**Paddy, variety Abhishek**

**1. b National Food Security Mission - Pulses (NFSM - Pulses)**

Sl. No.	Interventions	Unit	Physical		Financial		Remarks
			Target	Achievement	Target	Achievement	
1.	Demonstration on improved technologies	Ha	517.45	517.45	60.20	60.20	Cluster demonstration, cropping system based demonstration & demonstration on intercropping
2.	Seed Distribution	Qtl	532.76	532.76	23.82	23.82	Certified seeds variety more than 10 years
3.	Seed Production	Qtl	478.44	478.44	23.70	23.70	Certified seeds variety less than 10 years
4.	Plant & Soil management	Ha	4994.40	4994.40	24.70	24.70	Micronutrient/ bio control
5.	Flexi component	Nos.	180	180	6.84	6.84	Power operated sprayer Hermetic storage bags
			4000	4000	8.00	8.00	
		Mtr	30500	30500	15.26	15.26	HDPE Pipe
	Nos	20.0	20.0	2.80	2.80	Training	



**Urd, variety SK-PD-3**

**1. c National Food Security Mission - Coarse Cereals (NFSM - Coarse Cereals)**



**Maize Variety CP - 333**

**1. d National Food Security Mission – Nutri- Cereals (NFSM – Nutri-Cereals)**

Sl. No.	Interventions	Unit	Physical		Financial		Remarks
			Target	Achievement	Target	Achievement	
1.	Demonstration on improved packages	Ha	2119.10	2119.10	127.14	127.14	Maize & Barley
2.	Demonstration on intercropping	Ha	950.00	950.00	57.0	57.0	Maize + Soybean & Maize + Rice bea
3.	Distribution of certified seeds	Qtl	2901.78	2901.78	86.76	86.76	HYV Maize Seeds (< 10 year) HYV Maize Seeds (>10 year) Hybrid Maize Seed
4.	Integrated Nutrient & Pest Management	Qtl	8015.40	8015.40	40.01	40.01	Micronutrient & bio control
5.	Flexi Component	Nos	50.00	50.00	12.50	12.50	Pulveriser



**Foxtail Millet, variety VL -52**

**1. e National Food Security Mission - Oil Seeds & Oil Palm (NFSM - MNOOP)**

	Interventions	Unit	Physical		Financial		Remarks
			Target	Achievement	Target	Achievement	
1.	Frontline Demonstration	Ha	883.52	883.52	53.01	53.01	Finger, Barnyard & Foxtail Millet
2.	Distribution of HYV Seeds	Qtl	686.72	686.72	16.86	16.86	Finger, Barnyard & Foxtail Millet
3.	Production of Certified Seed	Qtl	546.67	546.67	16.41	16.41	Variety less than 10 years
3.	Integrated Nutrient Management	Ha	2200	2199.33	11.00	11.00	Micronutrient
	Integrated Pest Management	Ha	1217.78	1217.78	6.09	6.09	Bio control
4.	Flexi Component	Nos	1252.30	1252.30	9.40	9.40	Knapsack sprayer
5.	Water Application Tools	Mtrs	24980.00	24980.00	12.50	12.50	HDPE Pipe
		Nos	10.0	10.0	1.40	1.40	Training



**Mustard Variety Uttara**

2020-21 (General Head of Accounts)  
NFSM-Rice  
(Gol Share)

GFR 12-C  
[[See Rule 239]]

Utilization Certificate (For State Governments)  
(Where expenditure incurred by Govt. bodies only)

Name of the State: SIKKIM

(Rupees in lakhs)

Sl.no.	Sanction letter no. & Date	Amount	
1.	1 <sup>st</sup> Instalment	Nil	Certified that out of <b>Rs. 0.00</b> lakh of grants sanctioned during the year 2020-21 in favour of National Mission on Rice under the Ministry/Department, no fund was released against the same and a sum of <b>Rs. 7.30</b> lakhs was revalidated vide letter No. given in the margin sl.no.3 on account of unspent balance, a sum of <b>Rs. 4.38</b> lakhs has been utilised under General category for the purpose of NFSM-Rice for which it was sanctioned and the balance under this head is <b>nil</b> .
2.	2 <sup>nd</sup> Instalment	Nil	
3.	Revalidated letter No. F.No. 20-38/2017-NFSM (CA-V), dated 05/06/2020.  1. General 2. SCSP 3. ST (TSP)	<b>4.38</b> 0.73 2.19	
<b>Total</b>		<b>7.30</b>	

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled /are being fulfilled and that I have exercised the following checks to see that the money was actually utilised for the purpose for which it was sanctioned.

Kinds of checks exercised:

1. Voucher.
2. Cash Book.
3. Ledger.

Additional Director Agriculture

**Additional Director (NFSMs)**  
Food Security & Agri. Dev. Deptt.  
Govt. of Sikkim  
Krishi Bhawan, Tadong

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**SIKKIM ORGANIC FARMING DEVELOPMENT AGENCY**  
**(SOFDA)**

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**ANNUAL REPORT- SOFDA: 2020-2021**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Details of the project.</b>
<b>01</b>	Name of Department	Department of Agriculture
<b>02</b>	Name of the Scheme	Grants in aid to Sikkim Organic Farming Development Agency ( SOFDA )
<b>03</b>	Whether Centrally Sponsored Scheme or Sate Earmarked Scheme:	State Earmarked Scheme
<b>04</b>	Funding Pattern:	State Fund
<b>05</b>	Details of Sanction Order:	-
<b>06</b>	Details of Fund received from the GOI:	NA
<b>07</b>	Total fund available:	-
<b>08</b>	Unspent balance of previous years:	Rs.254.47 lakhs
	Expenditure during current FY	-
<b>09</b>	Objective of the Scheme:	<p>A. To promote Sikkim as an Organic State.</p> <p>B. To brand organic product of the State as "Sikkim Organic".</p> <p>C. To outline measures to discourage use of chemical fertilizers and pesticides in Sikkim and gradually substitute plant nutrients by organic manures and fertilizers as well as manage control diseases and insect pests by biological control measures.</p> <p>D. To develop the basic infrastructure and statutory development, prerequisite to initiation of actual organic farming in Sikkim.</p> <p>E. To create or develop market linkage for organic produce along with the evolvement of suitable strategies.</p> <p>F. To formulate a policy of organic farming in Sikkim.</p>
<b>10</b>	Expected outcome:	Agricultural sustenance, biodiversity conservation and environment protection coupled with providing rural livelihood.
<b>11</b>	Progress during last Financial Year: <ul style="list-style-type: none"> <li>• Physical Progress (with photographs)</li> </ul>	2020-2021 Certification of 75,520 ha completed.  Fund yet to be released

	<ul style="list-style-type: none"> <li>Financial Progress</li> <li>Target no. Of beneficiaries (list to be enclosed)</li> <li>Timeline</li> <li>No. of beneficiaries covered</li> <li>Area covered</li> <li>Details of UC submitted (copies to be submitted)</li> </ul>	65,973 farmers covered.  Yearly continuation process 65,973  75,520 ha  -
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## 11. a. Physical Progress

### i. ICS Management to SIMFED (2020-2021)

Sl No	Name of SP agency	Allotment of area (Ha)			District
		Other crops	L. cardamom	Total	
1	M/S SIMFED	6,910 (14 ICS)	3,856 (7 ICS)	10,766 (21 ICS)	North
		19,727 (55 ICS)	2,396 (8 ICS)	22,123 (63 ICS)	East
		18,062 (46 ICS)	1,089 (3 ICS)	19,151 (49 ICS)	South
		21,738 (49 ICS)	1,742 (9 ICS)	23,480 (58 ICS)	West
	<b>Total</b>	<b>66,437 (164 ICS)</b>	<b>9,083 (27 ICS)</b>	<b>75,520 (191 ICS)</b>	-

Sl No	Name of Certifying agencies	Proposed area (Ha)			Service provider agency
		Other crops	L. cardamom	Total	
1	Onecert International Pvt. Ltd, Jaipur	34,076 (82 ICS)	-	34,076 (82 ICS)	SIMFED
2	Lacon Quality Certification Pvt. Ltd. Thiruvalla, Kerala	14,386 (35 ICS)	-	14,386 (35 ICS)	SIMFED
3	SSOCA, Gangtok	16,207 (42 ICS)	9,083 (27 ICS)	25,290 (69 ICS)	SIMFED
4	IMO Control Pvt Ltd. Bangalore	1,768 (5 ICS)	-	1,768 (5 ICS)	SIMFED
	<b>Total</b>	<b>66,437 (164 ICS)</b>	<b>9,083 (27 ICS)</b>	<b>75,520 (191 ICS)</b>	SIMFED

ii. Certification Agencies for Certification.

**b. Financial Progress**

i. ICS Management to SIMFED (2020-2021 )

SI No	Name of SP agency	Allotment of area (Ha)				Amount in Rs.	Financial Progress
		Other crops	L. cardamom	Total	District		
1	M/S SIMFED	6,910 (14 ICS)	3,856 (7 ICS)	10,766 (21 ICS)	North	98,07,826 /-	Due for payment
		19,727 (55 ICS)	2,396 (8 ICS)	22,123 (63 ICS)	East	2,01,54,053 /-	Due for payment
		18,062 (46 ICS)	1,089 (3 ICS)	19,151 (49 ICS)	South	1,74,46,561/-	Due for payment
		21,738 (49 ICS)	1,742 (9 ICS)	23,480 (58 ICS)	West	2,13,90,280 /-	Due for payment
	<b>Total</b>	<b>66,437 (164 ICS)</b>	<b>9,083 (27 ICS)</b>	<b>75,520 (191 ICS)</b>	-	<b>6,87,98,720/-</b>	

ii. Certification Agencies for Certification.

SI No	Name of Certifying agencies	Proposed area (Ha)			Amount in Rs	Financial Progress
		Other crops	L. cardamom	Total		
1	Onecert International Pvt. Ltd, Jaipur	34,076 (82 ICS)	-	34,076 (82 ICS)	76,67,100	Due for payment
2	Lacon Quality Certification Pvt. Ltd. Thiruvalla, Kerala	14,386 (35 ICS)	-	14,386 (35 ICS)	32,36,850	Due for payment
3	SSOCA, Gangtok	16,207 (42 ICS)	9,083 (27 ICS)	25,290 (69 ICS)	20,43,675 50,58,000 /-	Due for Payment
4	IMO Control Pvt Ltd. Bangalore	1,768 (5 ICS)	-	1,768 (5 ICS)	3,97,800 /-	Due for payment
	<b>Total</b>	<b>66,437 (164 ICS)</b>	<b>9,083 (27 ICS)</b>	<b>75,520 (191 ICS)</b>	<b>1,84,03,425 /-</b>	

**MISSION ORGANIC VALUE CHAIN  
DEVELOPMENT FOR NORTH EASTERN  
REGION (MOVCD-NER)**

MOVCD-NER is a CSS scheme of the Ministry of Agriculture, Cooperation & Farmers Welfare formulated with an objective to develop certified Organic production in a value chain mode to link growers with consumers and to support the development of entire value chain starting from inputs, seeds, certification to creation of facilities for collection, aggregation processing, marketing and brand building.

The Phase-I of the scheme is for three years (2015-16 to 2017-18) and is being implemented from the year 2016-17 in our State through Sikkim Organic Farming Development Agency (SOFDA), the State Lead Agency (SLA). The Scheme was to be implemented in an area of 14,000 ha. and promotion of 28 Farmers Producer Organization (FPOs) taking into consideration only four crops viz., buckwheat, large cardamom, ginger and turmeric in the following manner.

Sl. No	Crop	Area (in ha.)
1	Buckwheat	2950
2	Large cardamom	5050
3	Ginger	4000
4	Turmeric	2000
	<b>Total</b>	<b>14,000 ha</b>


The actual implementation of activities of the scheme started from April 2016 onwards by SLA as the first installments of funds were received in March, 2016.

**a) Financial Details**

Name of Project	Mission Organic Value Chain Development for North Eastern Region (MOVCD-NER) Phase-I
Project period	2015-16 to 2017-18 (Started in 2016-17 onwards)
Lead Agency	Sikkim Organic Farming Development Agency.
Department	Agriculture Department, Government of Sikkim
Proposed Project Cost	Rs 115.34 crores (15,000 ha)
Approved Project Cost	Rs 102.53 crores (14,000 ha)
Revised Project Cost	Rs. 90.97 crores (14,000 ha)
Amount of fund received	Rs. 78.863 crores
Total Expenditure	Rs. 77.415 crores.
Unspent balance	Rs. 01.448 crores

**b) Physical Progress.**

Components		As of March, 2021																								
<b>Value Chain production</b>																										
A.1.1.	Clusters development and formation of farmers producer organization. (FPO)	<ol style="list-style-type: none"> <li>1. Formation of 28 nos. of FPOs completed.</li> <li>2. A total of 16223 farmers mobilized with collection of Rs 86.94 Lakhs as FPO share capital.</li> <li>3. Equity Grant amounting to Rs. 83.35 Lakhs provided to 28 FPOs.</li> </ol>																								
A.1.2.	Assistance for on-farm input production infrastructure.	<ol style="list-style-type: none"> <li>1. A total of 20,846 beneficiaries identified for creation of on farm input production infrastructure such as vermi- compost unit, Rural compost pit, FPE unit, Urine pit etc. The district wise details are as follows. <table border="1" data-bbox="753 763 1225 1117"> <thead> <tr> <th>District</th> <th>No. of beneficiaries</th> </tr> </thead> <tbody> <tr> <td>East</td> <td>5842</td> </tr> <tr> <td>West</td> <td>6236</td> </tr> <tr> <td>North</td> <td>1726</td> </tr> <tr> <td>South</td> <td>7042</td> </tr> <tr> <td>Total</td> <td>20846 Nos.</td> </tr> </tbody> </table> </li> <li>2. Transfer of assistance amount of Rs.455.98 Lakhs to 20846 beneficiaries through DBT mode carried out by district in-charge of Agriculture &amp; Horticulture Department.</li> </ol>	District	No. of beneficiaries	East	5842	West	6236	North	1726	South	7042	Total	20846 Nos.												
District	No. of beneficiaries																									
East	5842																									
West	6236																									
North	1726																									
South	7042																									
Total	20846 Nos.																									
A.1.2.1	Assistance for Off- farm inputs.	<ol style="list-style-type: none"> <li>1. 25871 beneficiaries identified for distribution of off-farm inputs.</li> <li>2. 1<sup>st</sup> phase of off-farm inputs distribution completed.</li> <li>3. 2<sup>nd</sup> phase off-farm inputs distribution in progress.</li> </ol>																								
A.1.3	Assistance for quality seeds and planting material.	<ol style="list-style-type: none"> <li>1. Out of total 14000-hectare targeted area, till date total of <b>14554.498-hectare</b> area covered with <b>27724</b> nos. of beneficiaries. <table border="1" data-bbox="699 1624 1439 1899"> <thead> <tr> <th>Sl. No.</th> <th>Crop</th> <th>Area</th> <th>No. of beneficiaries</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ginger</td> <td>4028.116</td> <td>7154</td> </tr> <tr> <td>2</td> <td>L.Cardamom</td> <td>5050.401</td> <td>6804</td> </tr> <tr> <td>3</td> <td>Turmeric</td> <td>1999.87</td> <td>3503</td> </tr> <tr> <td>4</td> <td>Buck Wheat</td> <td>3476.111</td> <td>10263</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>14554.498</b></td> <td><b>27724</b></td> </tr> </tbody> </table> </li> <li>2. Distribution of planting materials made using e-voucher card (DBT mode) system through growers group and HDFC bank Ltd. and OTP based DBT</li> </ol>	Sl. No.	Crop	Area	No. of beneficiaries	1	Ginger	4028.116	7154	2	L.Cardamom	5050.401	6804	3	Turmeric	1999.87	3503	4	Buck Wheat	3476.111	10263		<b>Total</b>	<b>14554.498</b>	<b>27724</b>
Sl. No.	Crop	Area	No. of beneficiaries																							
1	Ginger	4028.116	7154																							
2	L.Cardamom	5050.401	6804																							
3	Turmeric	1999.87	3503																							
4	Buck Wheat	3476.111	10263																							
	<b>Total</b>	<b>14554.498</b>	<b>27724</b>																							

		mode by IndusInd Bank. 3. Crop wise details of area covered and no. of beneficiaries covered are as follows.
A.2.1	Assistance for setting up of input delivery, distribution and Agri-machinery custom hiring centre.	Establishment of Custom hiring Centre completed at all 28 FPOs across the State.
A.2.2.1	Support and extension services for training, handholding and certification of production stage through hiring of service providers.	A. 14000 ha were certified using the funds available under this component till 2019-20. Service providers were used for ICS management and Certifying agencies were used for Certification respectively.
<b>B. Value Chain Processing</b>		
B.1.1	Setting up of functional Infrastructure for collection, aggregation and grading units.	B. 1 unit completed.
B.2.1	Financial assistance for setting up of Integrated processing unit	C. The Joint venture (J.V) project between Government of Sikkim and M/S IFFCO to set up integrated processing unit at Rangpo, East Sikkim. D. Establishment of the integrated processing facility is under progress. process under progress.
B.3.1	Integrated Pack House	• 1 proposal submitted to NEDFi.
B3.2	Transportation/4 wheeler	• 28 nos. completed.
B3.3.1	Refrigerated Transport vehicle	E. 1 completed. F. 2 under progress.
B3.3.2	Pre-cooling/cold stores	• Not availed by beneficiaries yet.
<b>(C) Value Chain Marketing</b>		
C. 1	Branding /labeling	<ul style="list-style-type: none"> <li>The brand identity (Logo) for Sikkim Organic Mission developed. Registration process in progress. (Registration application no. 4253113)</li> </ul>  <ul style="list-style-type: none"> <li>FPO publicity materials (broachers) developed.</li> <li>FPOs wise Trade Mark developed. Registration process under progress.</li> </ul>

C.2	Seminar/ Conferences	More than 40 events conducted & participated.
C.3	Consumer awareness	Work initiated
C.4	Hiring of space	Work initiated.
<b>(D) Value chain support Agencies</b>		
D.1.1	Staff/ manpower/travel 5% of total scheme budget	Expenditure made as per requirement.
D.1.2	Organic certification bodies	One time support to Sikkim State Organic Certification Agency amounting to Rs.70 lakhs provided. (SSOCA)

## MOVCD-NER Phase-II.

- Financial Details.**

<b>Name of Project</b>	<b>Mission Organic Value Chain Development for North Eastern Region (MOVCD-NER) Phase-II</b>
Project period	2018-19 to 2020-21
Lead Agency	Sikkim Organic Farming Development Agency.
Department	Agriculture Department, Government of Sikkim
Proposed Project Cost	Rs 107.2724 crore (20,000 ha) Proposal approved by SLEC meeting held on 02.07.18
Annual Plan	Rs 13.01 crores (20,000 ha) 2018-19
Revised Project Cost	Rs. 36.217 crores (7,000 ha)
Revised annual plan	Rs. 8.83 crores (7,000 ha) 2018-19

- Physical progress:**
- Crop cluster identified:**

Sl. No.	Crop	Proposed no. of Clusters	Proposed Area (Ha.)
1.	Ginger	24	2700
2.	Large Cardamom	22	2800
3.	Buckwheat	16	700
4.	Turmeric	16	800
Total		<b>78 Nos.</b>	<b>7000 Ha.</b>

- **District wise details with crop wise clusters and proposed area.**

Sl. No.	District	C R O P								TOTAL	
		Ginger (Ha.)		Large cardamom (Ha.)		Buckwheat (Ha.)		Turmeric (Ha.)		Clusters	Area (Ha.)
		Clusters	Area	Clusters	Area	Clusters	Area	Clusters	Area		
1.	East	7	800	6	700	4	200	7	200	24	1900
2.	West	5	800	5	700	6	200	3	250	19	1950
3.	North	4	300	5	900	-	-	-	-	09	1200
4.	South	8	800	6	500	6	300	6	350	26	1950
<b>Total</b>		<b>24</b>	<b>2700</b>	<b>22</b>	<b>2800</b>	<b>16</b>	<b>700</b>	<b>16</b>	<b>800</b>	<b>78</b>	<b>7000</b>

- **Cabinet approval for implementation of MOVCD-NER Phase-II scheme accorded.**
- **Mapping of Clusters:** Mapping of Clusters completed.
- **Cluster development & formation of FPOs.**
- FPO promotional activities planned to be carried out through Small Farmers Agri-business consortium (SFAC), GOI.
- Approval of the proposal for awarding FPO promotion assignment to SFAC accorded.
- Letter sent to SFAC for taking up FPO promotion assignment.
- SFAC submitted Project report for three year, obtained Govt. approval, process of signing Agreement initiated.
- **Fund Status of MOVCD-NER Phase-II**
- No fund for MOVCD-NER Phase-II scheme received yet from GOI.
- In order to initiate FPO promotional activities, letter for transfer of fund for phase - II have been sent to Ministry of Agriculture & Farmers Welfare, Govt. of India vide memo no. 57/Ex.Dir./SOM dated 16.09.2019.
- Till date no fund received from GOI hence further implementation process could not be taken up.

### MOVCD-NER Phase-III.

- **Financial Details.**

Name of Project	Mission Organic Value Chain Development for North Eastern Region (MOVCD-NER) Phase-III
Project period	2020-21 to 2022-23
Lead Agency	Sikkim Organic Farming Development Agency.
Department	Agriculture Department, Government of Sikkim
Proposed Project Cost	Rs 111.81 crore (20,000 ha).
Annual Plan	Rs 12.11 crores (20,000 ha) 2020-21
	Provisional allocation made by Ministry for 14,000 ha. on 16.04.20
1 <sup>st</sup> Revised Project Cost	Rs.82.5533 crores (14,000 ha.)
Revised Annual Plan	Rs. 8.8445 crores (14,000 ha.) 2020-21.
2 <sup>nd</sup> Revised Project Cost	Rs. 90.83 crores (14,000 ha)
Revised annual plan	Rs. 7.81 crores (14,000 ha) 2020-21.

- **Physical progress:**

- Crop identified.
- Large Cardamom, Ginger, Turmeric, Buckwheat, Sikkim Mandarin and Vegetable (Pea)
- District wise, crop wise target area is made as follows.

Sl.No.	Crop	District	Area in ha.
1.	Large cardamom	East	1500
		West	1500
		North	1200
		South	800
		<b>Total</b>	<b>5000</b>
2.	Ginger	East	1200
		West	1500
		North	500
		South	1500
		<b>Total</b>	<b>4700</b>
3.	Turmeric	East	500
		West	500
		South	500
		<b>Total</b>	<b>1500</b>
4.	Buckwheat	East	300
		West	300
		North	100
		South	300
		<b>Total</b>	<b>1000</b>
5.	Sikkim mandarin	East	200
		West	250
		North	250
		South	100
		<b>Total</b>	<b>800</b>
6.	Vegetables *	East	150
		West	500
		South	350
<b>Total</b>			<b>1000</b>
<b>Grand Total</b>			<b>14000 Ha.</b>

III. FPO promotion assignment awarded to 5 (Five) Resource Institutions (RIs).

IV. Cluster identification and formation of FPO initiated.

**Progress as of date:**

<b>Sl.No.</b>	<b>Name of RIs</b>	<b>No. of FPOs allotted</b>	<b>No. of meeting conducted</b>	<b>No. of farmers mobilized</b>	<b>No. of FIG formed</b>
1.	Micro-Credit Ratings International Ltd (M-Cril)	8	66	384	24
2.	Indian Grameen Services (IGS)	5	35	487	33
3.	International Competence Centre for Organic Agriculture (ICCOA)	5	20	375	10
4.	Sikkim State Co-Operative Supply and Marketing Federation (SIMFED)	5	17	376	09
5.	Environmental Conservation Society (ECS) Switch on Foundation.	5	21	795	10
<b>Total</b>		<b>28</b>	<b>159</b>	<b>2417</b>	<b>86</b>

1<sup>st</sup> Progress Review Meeting by Ministry of Agriculture & Famers Welfare, Government of Sikkim for Phase-III was held on 22.04.2021.

No fund for scheme received so far.

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# AGRICULTURE CENSUS

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## AGRICULTURE CENSUS

### Introduction:

Agriculture Census is a Central Sector Scheme being implemented in the Country since 1970-71. It is a large-scale statistical operation for the collection and derivation of quantitative information about the structure of Agriculture in the Country. It is the main source of basic structure of operational holdings and their related characteristics such as land-use and cropping pattern, irrigation status, tenancy practice and terms of leasing etc.

An Agricultural Operational Holdings is the ultimate unit for taking decision for development of Agriculture at micro level. It is for this reason that an operational holding is taken as the statistical unit of data collection for describing the structure of Agriculture.

Sikkim has been participating in the Agricultural Census programme since 1976-77. The State participated again in the Agricultural Census with *year 2015-16 as the reference year. It is the Ninth Agricultural Census in the State and Tenth in All- India.* It is a quinquennial programme. The last Agricultural Census was held during the year 2015-16 followed by Input Survey during 2016-17.

### Objectives:

- i. To describe Agriculture in related characteristics of Agriculture by providing statistical data on operational holding, including land utilization, livestock, Agricultural machinery and implements, use of fertilizers etc.
- ii. To provide benchmark data needed for formulating an agricultural development programme and for evaluating their progress.
- iii. To provide basic frames of households and operational holdings for carrying out future Agricultural survey, and
- iv. To lay a basis for developing an integrated program for current Agricultural statistics.

The Agriculture Census operation is carried out in **three phases.**

#### Phase-I:

During Phase-I, the listing phase, data on Number and Area of Operational Holdings according to prescribed size classes for different social groups, types of holdings and gender are collected of all the households residing in the sample village/ward with the help of Listing Schedules. The following schedules are used for the Phase-I survey:

- i. **Schedule L-1:** List of Households and Operational Holdings in the sample village.

The enumerator has to prepare a complete list of all the households residing in the sample village/ward. All the households whether operating any land in the sample village or not will also be included. In other terms, all the households, irrespective of their economic

activity and land owning/operating status, will be listed in the first instance and their land owing/operating status to be ascertained afterwards.

The purpose of the schedule L-1 is to prepare a sampling frame, i.e., complete list of operational holdings for selection of sample holdings for the detailed enquiry in Schedule-H, and also to prepare priority Table T-1 which involves estimation of number and area of operational holdings by various group (SC/ST/Others) and gender.

ii. **Schedule L-2: List of all Institutional Holdings in the sample village**

Institutional holding would include Government farms, cooperative farms, temple lands managed by Trust through hired labour, tea gardens/plantations etc. if, however, the temple lands, plantations etc. are leased out to individuals for cultivations, then these will be considered as Individual Holdings. Only such Institutional Holdings as are located in the sample village would be listed in Schedule L-2.

iii. **Schedule L-3: Village Summary:**

This schedule is prescribed and intended solely as an instrument for area tally at village level to ensure that no part of the operated area in the village is left out. To ensure the quality of the data generated through the Agriculture Census, it has been decided that this schedule is to be prepared mandatorily in all the States in this Census.

**Phase-II:**

In Phase-II, though only for selected holdings in selected villages, the data on following aspects are collected.

1. Area operated by Tenancy.
2. Land Utilization and
3. Cropping pattern.

The following schedules are used for the Phase-II survey:

i. **Table SS:** Sample Selection Summary in the sample village.

The total number of holdings in different size classes for the three social groups is filled in this table. All institutional holdings are included in sample and no sampling of institutional holdings is to be done. 20% ward is selected by simple random sampling method from each G.P.U for Schedule H. The total holdings of different social groups for different size classes are entered with reference to Sch. L-1 and for Institutional Holdings from Sch. L-2.

**b. Schedule - H:** Detailed data on selected Operational Holding in the sample village. A separate Schedule H is canvassed for each selected operational holding from the sample village and for each of the Institutional Holdings listed in Schedule L-2. It is important to note that the information in Sch. H should be filled for the operational holdings as a whole, i.e., for the entire operated area, including area outside the village.

### Phase-III: INPUT SURVEY

This is called as Input Survey, related to collection of data on pattern of input use across various crops, States and size groups of holdings, in addition to data on agriculture credit, implement and machinery, livestock and seeds.

### STATUS OF AGRICULTURE CENSUS 2015-16- Progress Report for 2020-2021

The Agri. Census Survey 2015-16 has been completed and the final data has been generated by the Govt. of India and approved by the State Government.

#### SUMMARY OF TABLES

**Table: 1 Number and Area of Operational Holdings by Size Class  
All Social Group (No in Unit) (Area in Ha)**

Sl. No	District	No of Operational Holdings	Area Operated (Ha)
1	North	4895	11952.403
2	East	23486	25375.251
3	South	20120	26005.627
4	West	23031	27532.032
	<b>State Total</b>	<b>71532</b>	<b>90865.313</b>

**Table 3: District wise Estimated Area and Land Use.**

State: Sikkim

Social Group: All Social Group

(No in Unit) (Area in Ha)

Sl. No.	District	Total Holdings		Net Area Sown	Area Under Current Fallows	Net Area Cultivated	Uncultivated Area
		No.	Area				
1	NORTH	4895	11952.403	10279.540	849.626	11129.166	823.237
2	EAST	23486	25375.251	20010.203	1351.076	21361.279	4013.972
3	SOUTH	20120	26005.627	18315.984	1693.934	20009.918	5995.709
4	WEST	23031	27532.032	21674.998	1574.316	23249.314	4282.718
	<b>State Total</b>	<b>71532</b>	<b>90865.31</b>	<b>70280.73</b>	<b>5468.952</b>	<b>75749.68</b>	<b>15115.64</b>

#### FUND STATUS: 2020-21

Rs. In Lakhs

REVALIDATED AMOUNT	AMOUNT RELEASED	TOTAL FUND	TOTAL EXPENDITURE INCURRED	UNSPENT BALANCE
Rs.23.77	Rs.23.77	Rss.23.77	Rs.9.84	13.93

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**ESTABLISHMENT OF AGENCY FOR REPORTING  
AGRICULTURAL STATISTICS-EARAS**

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## **ESTABLISHMENT OF AGENCY FOR REPORTING AGRICULTURAL STATISTICS- EARAS**

This scheme is 100% Central Sector Scheme. This is an ongoing programme of the Department which caters the important parameters for yield estimation by implementation of Crop Cutting programme. This scheme was merged under the umbrella plan scheme as Improvement of Agriculture Statistics (IAS) under the Integrated Scheme on Agriculture Census & Statistics Scheme proposed during XII Plan.

### **OBJECTIVES:**

- a.** To obtain reliable and timely estimates of area under principal crops in each season.
- b.** Generate estimates of area production of principal crops in each season.
- c.** Bring improvement in crop statistics by conducting spot supervision of a) area enumeration b) area aggregation and c) crop cutting experiments at GPU level every year.

There is a total of 185 GPUs in the State. Estimation of area is done through sample survey in a sufficiently large sample of 20% villages and yield estimation is done on major Agriculture crops through analysis of crop cutting experiments.





**Crop Cutting Experiment conducted at Tumin GPU (East District)  
Variety: CP-333**



**CCE of Paddy at Kolthang-Tokdey GPU by MAs in presence of Ms Vaishnu Rai, ADO-  
Yangang & Mr T.R.Sharma(JDA).**

**TARGET AND ACHIEVEMENT OF CROP CUTTING EXPERIMENTS IN SIKKIM  
UNDER KHARIF & RABI 2020-21**

Sl.No	Crops	Particulars	Number of Crop Cutting Experiments Conducted				
			North	East	South	West	Check
1	Rice	Target	110	330	330	354	20
		Achievement	120	301	272	295	0
2	Wheat	Target	0	275	0	0	10
		Achievement	0	201	0	0	0
3	Maize	Target	130	330	330	354	7
		Achievement	184	331	468	268	0
4	F/Millet	Target	110	330	235	295	0
		Achievement	132	278	93	231	0
5	Barley	Target	130	220	0	0	0
		Achievement	100	196	0	0	0
6	Buckwheat	Target	110	330	235	236	0
		Achievement	95	256	313	153	0
7	Urd	Target	0	330	282	295	5
		Achievement	0	121	108	121	0
8	Other pulses	Target	110	330	282	295	0
		Achievement	96	284	386	253	0
9	R/Mustard	Target	110	275	188	236	10
		Achievement	75	315	230	145	0
10	Soyabean	Target	110	275	188	236	0
		Achievement	144	446	180	246	0
11	Ginger	Target	88	220	188	236	0
		Achievement	75	163	208	180	0
12	Potato	Target	88	220	235	236	0
		Achievement	80	113	117	185	0
<b>TOTAL</b>		<b>Target</b>	1096	3465	2493	2773	52
		<b>Achievement</b>	1101	3005	2375	2077	0

**SEASON WISE CROP CUTTING EXPERIMENT OF FIELD CROPS, 2020-21**

**DISTRICT: NORTH KHARIF& RABI**

SL.NO	Name of crops	No. of Experiments			Yield (kg/ha)		
		HYV	LOCAL	TOTAL	HYV	LOCAL	AVERAGE
<b>KHARIF CROPS</b>							
1	Paddy	80	40	<b>120</b>	1578.650	1439.770	<b>1509.210</b>
2	Maize	100	84	<b>184</b>	1645.690	1563.643	<b>1604.667</b>
3	F/Millet	95	37	<b>132</b>	980.160	980.560	<b>980.360</b>
4	Urd	0	0	<b>0</b>	0	0	<b>0.000</b>
5	Soyabean	90	54	<b>144</b>	926.270	818.277	<b>872.274</b>
6	O/Pulses	60	36	<b>96</b>	975.288	945.287	<b>960.288</b>
7	Ginger	0	75	<b>75</b>	0	5059.179	<b>5059.179</b>
	<b>TOTAL</b>	<b>425</b>	<b>326</b>	<b>751</b>			
<b>RABI CROPS</b>							
1	Wheat	0	0	<b>0</b>	0	0	<b>0.000</b>
2	B/Wheat	0	95	<b>95</b>	0	981.220	<b>981.220</b>
3	Barley	0	100	<b>100</b>	0	1191.780	<b>1191.780</b>
4	Rape & Mustard	43	32	<b>75</b>	766.278	682.439	<b>724.359</b>
5	Potato	0	80	<b>80</b>	0	4731.980	<b>4731.980</b>
	<b>Total</b>	<b>43</b>	<b>307</b>	<b>350</b>			
<b>KHARIF &amp; RABI</b>		<b>468</b>	<b>633</b>	<b>1101</b>			

**SEASON WISE CROP CUTTING EXPERIMENT OF FIELD CROPS, 2020-21**

**DISTRICT: EAST KHARIF& RABI**

SL.NO	Name of crops	No. of Experiments			Yield (kg/ha)		
		HYV	LOCAL	TOTAL	HYV	LOCAL	AVERAGE
<b>KHARIF CROPS</b>							
1	Paddy	140	161	<b>301</b>	1874.896	1836.998	<b>1855.947</b>
2	Maize	215	116	<b>331</b>	1831.985	1681.765	<b>1756.875</b>
3	F/Millet	155	123	<b>278</b>	1097.924	1055.921	<b>1076.923</b>
4	Urd		121	<b>121</b>	0	1008.810	<b>1008.810</b>
5	Soyabean	267	179	<b>446</b>	1010.950	992.931	<b>1001.941</b>
6	O/Pulses	177	107	<b>284</b>	1027.860	945.880	<b>986.870</b>
7	Ginger	0	163	<b>163</b>	0	5171.588	<b>5171.588</b>
	<b>TOTAL</b>	<b>954</b>	<b>970</b>	<b>1924</b>			
<b>RABI CROPS</b>							
1	Wheat	115	86	<b>201</b>	1165.940	1141.752	<b>1153.846</b>
2	B/Wheat	0	256	<b>256</b>	0	1006.689	<b>1006.689</b>
3	Barley	0	196	<b>196</b>	0	1150.000	<b>1150.000</b>
4	R/Mustard	205	110	<b>315</b>	894.924	838.952	<b>866.938</b>
5	Potato	0	113	<b>113</b>	0	5062.721	<b>5062.721</b>
	<b>Total</b>	<b>320</b>	<b>761</b>	<b>1081</b>			
<b>KHARIF &amp; RABI</b>		<b>1274</b>	<b>1731</b>	<b>3005</b>			

**SEASON WISE CROP CUTTING EXPERIMENT OF FIELD CROPS, 2020-21**

**DISTRICT: SOUTH, KHARIF& RABI**

SL.NO	Name of crops	No. of Experiments		TOTAL	Yield (kg/ha)		
		HYV	LOCAL		HYV	LOCAL	AVERAGE
<b>KHARIF CROPS</b>							
1	Paddy	124	148	<b>272</b>	1995.750	1937.773	<b>1966.762</b>
2	Maize	307	161	<b>468</b>	1914.475	1735.355	<b>1824.915</b>
3	F/Millet	52	41	<b>93</b>	1055.652	1015.776	<b>1035.714</b>
4	Urd	0	108	<b>108</b>	0	937.058	<b>937.058</b>
5	Soyabean	105	75	<b>180</b>	998.492	974.693	<b>986.593</b>
6	Other Pulses	250	136	<b>386</b>	1046.357	1028.758	<b>1037.558</b>
7	Ginger	0	208	<b>208</b>	0	5243.020	<b>5243.020</b>
	<b>TOTAL</b>	<b>838</b>	<b>877</b>	<b>1715</b>			
<b>RABI CROPS</b>							
1	Wheat	0	0	<b>0</b>	0	0	<b>0</b>
2	Buck Wheat	0	313	<b>313</b>	0	983.231	<b>983.231</b>
3	Barley	0	0	<b>0</b>	0	0	<b>0.000</b>
4	Rape & Mustard	128	102	<b>230</b>	955.200	913.220	<b>934.210</b>
5	Potato	0	117	<b>117</b>	0	5229.271	<b>5229.271</b>
	<b>Total</b>	<b>128</b>	<b>532</b>	<b>660</b>			
<b>KHARIF &amp; RABI TOTAL</b>		<b>966</b>	<b>1409</b>	<b>2375</b>			

**SEASON WISE CROP CUTTING EXPERIMENT OF FIELD CROPS, 2020-21**

**DISTRICT: WEST, KHARIF& RABI**

SL.NO	Name of crops	No. of Experiments			Yield (kg/ha)		
		HYV	LOCAL	TOTAL	HYV	LOCAL	AVERAGE
<b>KHARIF CROPS</b>							
1	Paddy	126	169	<b>295</b>	1987.971	1947.771	<b>1967.871</b>
2	Maize	237	117	<b>354</b>	1785.988	1729.988	<b>1757.988</b>
3	F/Millet	124	107	<b>231</b>	1088.865	1062.485	<b>1075.675</b>
4	Urd	0	121	<b>121</b>	0	899.053	<b>899.053</b>
5	Soyabean	120	126	<b>246</b>	957.640	953.601	<b>955.621</b>
6	Other Pulses	144	109	<b>253</b>	944.674	898.624	<b>921.649</b>
7	Ginger	0	180	<b>180</b>	0	5312.288	<b>5312.288</b>
	<b>TOTAL</b>	<b>751</b>	<b>929</b>	<b>1680</b>			
<b>RABI CROPS</b>							
1	Wheat	0	0	<b>0</b>	0	0	<b>0.000</b>
2	Buck Wheat		153	<b>153</b>	0	941.475	<b>941.475</b>
3	Barley	0	0	<b>0</b>	0	0	<b>0.000</b>
4	Rape & Mustard	90	55	<b>145</b>	896.968	849.969	<b>873.469</b>
5	Potato	0	185	<b>185</b>	0	5224.095	<b>5224.095</b>
	<b>Total</b>	<b>90</b>	<b>393</b>	<b>483</b>			
<b>KHARIF &amp; RABI TOTAL</b>		<b>841</b>	<b>1322</b>	<b>2163</b>			

**DISTRICT WISE/ SEASON WISE REPORT ON NUMBER OFCROP CUTTING EXPERIMENT CODUCTED, 2020-21**

SL.No	District	No. of Experiments						District Total
		Kharif			Rabi			
		HYV	LOCAL	TOTAL	HYV	LOCAL	TOTAL	
1	North	425	326	<b>751</b>	43	307	<b>350</b>	<b>1101</b>
2	East	954	970	<b>1924</b>	320	761	<b>1081</b>	<b>3005</b>
3	South	838	877	<b>1715</b>	128	532	<b>660</b>	<b>2375</b>
4	West	751	929	<b>1680</b>	90	393	<b>483</b>	<b>2163</b>
	<b>Total</b>	<b>2968</b>	<b>3102</b>	<b>6070</b>	<b>581</b>	<b>1993</b>	<b>2574</b>	<b>8644</b>

DISTRICT WISE REPORTON NUMBER OF CROP CUTTING EXPERIMENT CONDUCTED DURING 2020-21.

Sl. No	District	No. of Experiment		
		HYV	LOCAL	TOTAL
1	North	468	633	1101
2	East	1274	1731	3005
3	South	966	1409	2375
4	West	841	1322	2163
	<b>Total</b>	<b>3549</b>	<b>5095</b>	<b>8644</b>

FUND STATUS 2020-21

Rs. In Lakhs

REVALIDATED FUND	TOTAL FUND	TOTAL EXPENDITURE INCURRED	UNSPENT BALANCE
68.33	68.33	49.16	19.17

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**PRADHAN MANTRI FASAL BIMA YOJANA  
(PMFBY)**

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## **PRADHAN MANTRI FASAL BIMA YOJANA (PMFBY)**

**Pradhan Mantri Fasal Bima Yojana** is a new crop insurance scheme that was launched by the Government of India on the 13<sup>th</sup> of January 2016.

### **OBJECTIVES: -**

- To provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crop as a result of natural calamities, pests & diseases.
- To stabilise the income of farmers to ensure their continuance in farming.
- To encourage farmers to adopt innovative and modern agricultural practices.
- To ensure flow of credit to the agriculture sector.

### **RISKS TO BE COVERED & EXCLUSIONS:**

**RISKS:** Following risks leading to crop loss are to be covered under the scheme: -

#### **YIELD LOSSES** (standing crops, on notified area basis):

Comprehensive risk insurance is provided to cover yield losses due to non-preventable risks, such as (i) Natural Fire and Lightning (ii) Storm, Hailstorm, Cyclone, Typhoon, Tempest, Hurricane, Tornado etc. (iii) Flood, Inundation and Landslide (iv) Drought, Dry spells (v) Pests/ Diseases etc.

#### **PREVENTED SOWING** (on notified area basis): -

In cases where majority of the insured farmers of a notified area, having intent to sow/plant and incurred expenditure for the purpose, are prevented from sowing/planting the insured crop due to adverse weather conditions, shall be eligible for indemnity claims up to a maximum of 25% of the sum-insured.

#### **POST-HARVEST LOSSES** (individual farm basis):

Coverage is available up to a maximum period of 14 days from harvesting for those crops which are kept in "cut & spread" condition to dry in the field after harvesting, against specific perils of cyclone / cyclonic rains, unseasonal rains throughout the country.

#### **LOCALISED CALAMITIES** (individual farm basis):

Loss / damage resulting from occurrence of identified localized risks i.e., hailstorm, landslide, and Inundation affecting isolated farms in the notified area.

### **EXCLUSIONS:**

Risks and Losses arising out of following perils shall be excluded: - War & kindred perils, nuclear risks, riots, malicious damage, theft, act of enmity, grazed and/or destroyed by domestic and/or wild animals, In case of Post-Harvest losses the harvested crop bundled and heaped at a place before threshing, other preventable risks.

## SHARING OF RISK:

Risk will be shared by IA and the Government as follows: The liability of the Insurance companies in case of catastrophic losses computed at the National level for an agricultural crop season, shall be up to 350% of total premium collected (farmer share plus Govt. subsidy) or 35% of total Sum Insured (SI), of all the Insurance Companies combined, whichever is higher. The losses at the National level in a crop season beyond this ceiling shall be met by 90:10 bases from the Central Government and the concerned State Governments after revamped in 2020.

This scheme will let farmers pay a very low premium to insure their crops. Farmers will have to pay a premium of only:

**2% of the sum insured for Kharif crops,**

**1.5% for Rabi crops and**

**5% for horticulture and cash crops i.e. Potato and Ginger**

The difference between the premium paid by the farmers and the premium fixed by the insurance companies will be subsidised and there will be no cap on the maximum subsidy paid by the Government. The subsidy will be borne equally by central and the respective state Government. Insurance There will be one insurance company for the whole state. Private insurance companies will be roped along with Agriculture Insurance Company of India Limited (AIC) to implement the scheme.

## PMFBY IN THE STATE OF SIKKIM: KHARIF 2020-21 -IFFCO TOKIO GIC.

The Revamped PMFBY has been implemented in two seasons as under:

- i. During Kharif 2020 season vide Memo No. 75/FS&ADD, dated 08/06/2020.
- ii. During Rabi 2020 season vide Memo No. 27/Agri., dated 21/10/2020, by IFFCO-TOKIO **General insurance Company Limited** who is the Implementing Agency for the said season.

Notified Crops for Kharif -2020-2021 were: **Paddy, Maize, Finger Millet, Soybean, Urd, Ginger and Buckwheat**

STATUS OF REVAMPED PMFBY FOR THE YEAR 2020-2021							
SEASON: KHARIF 2020-2021							
District	Loanee Farmers in No.	Non Loanee farmer in No.	Area in Ha'	Sum insured (in Rs.)	Farmers premium (in Rs.)	State Share (in Rs.)	GOI Share (in Rs.)
East	14	0	3.68	371361	8949.82	NIL	NIL
South	17	1	5.82	913878	23977.17	NIL	NIL
West	24	0	5.93	1071640	32149.1	NIL	NIL
<b>TOTAL</b>	<b>55</b>	<b>01</b>	<b>15.43</b>	<b>2356879</b>	<b>65076.09</b>	<b>NIL</b>	<b>NIL</b>
SEASON: RABI 2020-2021							
East	02	27	5.15	439868	6598	48.36	435.43
<b>TOTAL</b>	<b>02</b>	<b>27</b>	<b>5.15</b>	<b>439868</b>	<b>6598</b>	<b>48.36</b>	<b>435.43</b>

PMFBY : DISTRICT WISE PREMIUM & PREMIUM SUBSIDY

SEASON : RABI 2020-21

Premium for farmers: 1.5% for Agriculture crops & 5% for Horticulture Crops

ANNEXURE I

District	CROP	Sum Insured per Ha. in Rs.	Premium quoted by IFFCO	Premium Insurance charges payable by farmers	Insurance charges payable by farmers in Rs.	GOI share %	STATE share %	GOI share Rs in lakhs	STATE share Rs. In lakhs
NORTH	Potato	189350	2.00%	2.00%	3787.00	-	-	-	-
EAST	Potato	189350	1.50%	1.50%	2840.25	-	-	-	-
SOUTH	Potato	189350	1.50%	1.50%	2840.25	-	-	-	-
WEST	Potato	189350	1.55%	1.55%	2934.93	-	-	-	-
NORTH	Rape & Mustard	29860	2.00%	1.50%	447.90	0.45%	0.05%	134.37	14.93
EAST	Rape & Mustard	29860	2.00%	1.50%	447.90	0.45%	0.05%	134.37	14.93
SOUTH	Rape & Mustard	29860	2.00%	1.50%	447.90	0.45%	0.05%	134.37	14.93
WEST	Rape & Mustard	29860	2.00%	1.50%	447.90	0.45%	0.05%	134.37	14.93
NORTH	Barley	35400	2.00%	1.50%	531.00	0.45%	0.05%	159.3	17.7
EAST	Barley	35400	2.00%	1.50%	531.00	0.45%	0.05%	159.3	17.7
SOUTH	Barley	35400	2.00%	1.50%	531.00	0.45%	0.05%	159.3	17.7
WEST	Barley	35400	2.00%	1.50%	531.00	0.45%	0.05%	159.3	17.7
NORTH	Wheat	36700	2.00%	1.50%	550.50	0.45%	0.05%	165.15	18.35
EAST	Wheat	36700	2.00%	1.50%	550.50	0.45%	0.05%	165.15	18.35
SOUTH	Wheat	36700	2.00%	1.50%	550.50	0.45%	0.05%	165.15	18.35
WEST	Wheat	36700	2.00%	1.50%	550.50	0.45%	0.05%	165.15	18.35
NORTH	Buckwheat	28900	2.00%	1.50%	433.50	0.45%	0.05%	130.05	14.45
EAST	Buckwheat	28900	2.00%	1.50%	433.50	0.45%	0.05%	130.05	14.45
SOUTH	Buckwheat	28900	2.00%	1.50%	433.50	0.45%	0.05%	130.05	14.45
WEST	Buckwheat	28900	2.00%	1.50%	433.50	0.45%	0.05%	130.05	14.45

## SEASON : KHARIF 2020

Cluster : 1

PREMIUM FOR FARMERS: 2% for Agriculture Crops and 5% for Horticulture Crops

ANNEXURE -I

Rs. in lakhs

District	Crop	Sum Insured per hectare	Premium quoted by IFFCO	Premium Insurance charges payable by farmers	Insurance charges payable by farmers in Rs.	GOI share %	State share %	GOI share in Rs	State share in Rs.
NORTH	Paddy	0.3915	2.00%	2.00%	2.88	-	-	-	-
EAST	Paddy	0.3915	2.00%	2.00%	15.06	-	-	-	-
SOUTH	Paddy	0.3915	2.00%	2.00%	5.89	-	-	-	-
WEST	Paddy	0.3915	2.00%	2.00%	8.99	-	-	-	-
NORTH	Maize	0.3815	2.00%	2.00%	8.14	-	-	-	-
EAST	Maize	0.3815	2.50%	2.00%	27.44	0.45%	0.05%	6.17	0.69
SOUTH	Maize	0.3815	2.00%	2.00%	42.39	-	-	-	-
WEST	Maize	0.3815	2.00%	2.00%	39.52	-	-	-	-
NORTH	Finger Millet	0.3198	2.00%	2.00%	1.56	-	-	-	-
EAST	Finger Millet	0.3198	2.00%	2.00%	2.12	-	-	-	-
SOUTH	Finger Millet	0.3198	2.00%	2.00%	1.69	-	-	-	-
WEST	Finger Millet	0.3198	2.00%	2.00%	1.30	-	-	-	-
NORTH	Soyabean	0.335	2.00%	2.00%	0.80	-	-	-	-
EAST	Soyabean	0.335	2.00%	2.00%	3.02	-	-	-	-
SOUTH	Soyabean	0.335	2.00%	2.00%	3.40	-	-	-	-
WEST	Soyabean	0.335	2.25%	2.00%	1.29	0.225%	0.025%	0.14	0.02
NORTH	Urd	0.285	2.00%	2.00%	1.72	-	-	-	-
EAST	Urd	0.285	2.00%	2.00%	0.66	-	-	-	-
SOUTH	Urd	0.285	2.00%	2.00%	3.92	-	-	-	-
WEST	Urd	0.285	2.00%	2.00%	1.62	-	-	-	-
NORTH	Ginger	1.8075	2.25%	2.25%	8.98	-	-	-	-
EAST	Ginger	1.8075	2.50%	2.50%	57.82	-	-	-	-
SOUTH	Ginger	1.8075	2.65%	2.65%	64.30	-	-	-	-
WEST	Ginger	1.8075	3.00%	3.00%	65.63	-	-	-	-
NORTH	Buckwheat	0.289	2.00%	2.00%	0.49	-	-	-	-
EAST	Buckwheat	0.289	2.00%	2.00%	2.75	-	-	-	-
SOUTH	Buckwheat	0.289	2.00%	2.00%	3.24	-	-	-	-
WEST	Buckwheat	0.289	2.00%	2.00%	1.77	-	-	-	-
					<b>378.42</b>			<b>6.32</b>	<b>0.70</b>



*Display of banners and flex under PMFBY*

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**RASHTRIYA KRISHI VIKAS YOJNA (RKVY)**

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**RASTRYA KRISHI VIKASH YOJNA**  
**REMUNERATIVE APPROACHES FOR AGRICULTURE AND ALLIED SECTOR**  
**REJUVENATION (RKVY-RAFTAAR)**

The Government has approved continuation of Rastriya Krishi Vikas Yojna (RKVY) as Rastriya Krishi Vikas Yojna -Remunerative Approaches for Agriculture and Allied sector Rejuvenation (RKVY-RAFTAAR) for (13<sup>th</sup> plan period) three years plan i.e.: 2017-18 to 2019-20.

**Background:**

RKVY scheme was initiated in 2007 by National Development Council under Ministry of Agriculture and Farmers' Welfare as an umbrella scheme for ensuing holistic development of agriculture and allied sectors by allowing states to choose their own agriculture allied sector development activities as per the district/state agriculture plan.

The scheme has come a long way since its inception and has been implemented across two plan periods (11<sup>th</sup> and 12<sup>th</sup>)

Till 2013-14, the scheme was implemented as an Additional Central assistance (ACA) to State Plan Scheme with 100% central assistance.

It was converted into a Centrally Sponsored Scheme in 2014-15 also with 100% central assistance. Since 2015-16, the funding pattern of the scheme has been altered in the ratio of 60:40 between Centre and States (90:10 for North Eastern States). For Union Territories the funding pattern is 100% central grant.

Under the scheme, 50% of the annual outlay will be for setting up farm infrastructure and assets, 30% for value-addition linked production projects and 20% will be flexi-funds for projects in tune with local needs.

The emphasis will also be on involving youth in agriculture through various incentives so that it will provide jobs in rural areas and help in achieving the target of doubling farmers' income by 2022.

**FINANCIAL MANAGEMENT FOR THE YEAR 2020-21**

(Rs. In lakh)

Fund Received		Expenditure	Balance
Unspent Balance of 2019-20 (CS)	Rs. 622.87	Rs. 1116.88	Rs. 453.99
New Release of 2020-21 (CS)	Rs. 948.00		
<b>Total: (CS)</b>	<b>Rs.1570.87</b>		
<b>State Share: (SS)</b>	<b>Rs. 74.46</b>	<b>Rs. 74.46</b>	<b>-</b>
<b>Total:</b>	<b>Rs.1645.33</b>	<b>Rs. 1191.34</b>	<b>Rs. 453.99</b>

## PROGRESS:

During the year 2020-21, 14 new projects were taken under RKVY-RAFTAAR. Out of 14 new projects 5 projects were not implemented as the comments and observation were not received from Government of India.

Approval was accorded to complete the new and ongoing old projects. Ministry of Agriculture and Farmers Welfare, Department of Agriculture, Cooperation and Farmers Welfare, Government of India allocated Rs. 9.48 crores of fund for 2020-21 FY.

There were 15 old ongoing projects out of which 10 projects are completed and 5 projects are under progress. During this financial year 9 new projects were implemented out of which 3 projects are completed and 6 projects are under progress.

### PROGRESS REPORT OF OLD ONGOING PROJECTS

(Rs. in lakh)

Sl. No	Project Name/Sanction year/ Sector	Sanctioned Project cost	Stream	Fund utilized till 2019-20	Fund utilized during 2020-21	Status
1.	Additional 2 storied new building of SAMETI, 2016-17/ Agri.	180.00	Infrastructure & Assets	85.82	92.18	Completed
2.	Control & prevention of Foot Mouth Diseases/2016-17/AH&VS	87.00	Production & Growth	82.90	4.06	Completed
3.	Project on support for livestock health management through curative and preventive measures in order to increase livestock productivity in the state/2019-20/AH&VS	126.00	Production & growth	108.55	17.45	Completed
4.	Project on establishment of well-equipped Veterinary Hospital in the districts & Sub-Division under creation of infrastructure and assets.2019-20/AH&VS	125.00	Infrastructure & Assets	11.01	113.83	Completed
5.	Project on establishment of demonstration farms of Jamunapari & Saanen breed of goat at Namthang, South	45.00	Infrastructure & Assets	20.05	24.95	Completed

	district 2019-20/AH&VS					
6.	Mobile veterinary immunization unit for the state of Sikkim.2019-20/AH&VS	60.20	Production & growth	47.61	12.59	Completed
7.	Revival of animal nutrition laboratory of Department of AH,LSVS./2019-20	15.00	Infrastructure & Assets	13.58	1.41	Completed
8.	Construction of Multipurpose building at Mazitar Horticulture farm/2017-18/Horti.	95.00	Infrastructure & Assets	12.00	83.00	Completed
9.	Round the year production of Organic Vegetables/2019-20/Horti	250.00	Production & growth	167.84	82.16	Completed
10.	Promoting cultivation of Organic Avocado in Sikkim/2019-20/Horti.	148.00	Production & growth	-	38.12	30%
11.	Sikkim Agri. &Horti. Management Information System. 2019-20/Horti.	40.00	Production & growth	-	-	With held
12.	Construction of tubular structure green houses/2019-20/Horti.	249.72	Production & growth	110.35	139.37	Completed
13.	Training and awareness programme for members of Cooperative Societies on piggery farming.20-19/Coop.	9.00	Production & growth	4.50	-	50%
14.	Aromatic and medicinal hub in south and west district.2019-20/SICB, SD&Ent. Deptt.	102.00	Production & growth	51.00	-	50%
15.	Skill development training in Organic grower to farmers of Sikkim state. 2019-20/SICB,SD& Ent. Deptt.	30.00	Production & growth	15.00	-	50%

**PROGRESS REPORT OF NEW PROJECTS SANCTIONED DURING 2020-21**

**(Rs. in Lakhs)**

<b>Sl. No.</b>	<b>Project Name</b>	<b>Project Cost</b>	<b>Stream</b>	<b>Fund Utilized</b>	<b>Status</b>
1.	Promotion of Organic Quinoa production in Sikkim through integrated approach.	46.00	Production & growth	36.00	<b>Completed</b>
2.	Proposal for Management of Fall Army Worm (FAW) and other pest & diseases in Maize crop.	30.00	Production & growth	24.47	<b>82% Under progress</b>
3.	Project on Amelioration of problem soil in the State of Sikkim	68.78	Production & growth	-	<b>Under progress</b>
4.	Enhancing vegetable cultivation in the State to gain self sufficiency and round the year production of Organic Vegetables	150.00	Production & growth	148.66	<b>Completed</b>
5.	Construction of Farmer's Training Centre cum Input Godown at Berthang, West Sikkim	171.70	Infrastructure & Assets	50.00	<b>30% Under progress</b>
6.	Development of Ginger Farming in Sikkim	196.25	Production & growth	189.01	<b>Completed</b>
7.	Project Proposal For Bio-Medical Waste Management	52.60	Infrastructure & Assets	29.22	<b>Physically Completed</b>
8.	Project on Vaccination & Surveillance of Economically Important Broiler Poultry diseases for the State of Sikkim	56.00	Production & growth	33.11	<b>Physically Completed</b>
9.	Project on Support For Livestock Health Management Measures through curative & preventive measures in order to increase Livestock Productivity in the State	122.00	Production & growth	67.77	<b>Physically Completed</b>

## **PARAMPARAGAT KRISHI VIKASH YOJNA - (PKVY)**

- **Name of the scheme:** Paramparagat Krishi Vikas Yojna
- **Centrally sponsored scheme/state earmarked scheme:** Centrally sponsored Scheme
- **Funding Pattern:** 90:10
- **Details of sanction order:** 9-262015-Org.Fmg (i, ii & iii) dated 28<sup>th</sup> February 2020.

- **Details of fund**

Fund Allotted	Fund released		Expenditure incurred		Unspent balance	
	GoI	State Share	GoI	Sate Share	GoI	State Share
679.00	363.03	40.33	363.03	40.33	Nil	Nil

### 6. Objective of the scheme:

PKVY is a sub-component of Soil Health Management (SHM) scheme under National Mission of Sustainable Agriculture (NMSA).

The main objective of the scheme is to support organic farming through cluster farming.

PKVY aims at empowering farmers through institutional development through clusters for not only in farm management practices, input production, quality assurance but also in value addition and direct marketing through innovative means.

### 7. Expected Outcome

The farmers are empowered through cluster approach for organic farming, value addition, marketing of the farm produce.

### 8. Progress

## PARAMPARAGAT KRISHI VIKAS YOJNA

### List of 84 Clusters

North	East	South	West
1. Namok	1. Samdong	1. Dumigaon	1. Ting-Ting
2. Lower Manshila	2. PatukSingbel	2. Lower Salgari	2. Lower Lobbing
3. Ringhem	3. RakdongTintek	3. Lower Sukrabarey	3. NakuKhongri
4. LungchomTingda	4. Dung DungThasa	4. Lungchok Rolu	4. Thingling
5. Upper and Lower Lingdum	5. SamdongThanka	5. Upper Mikhola	5. Jhakridunga
6. Naompaneng	6. BengPhegong	6. Upper Gurpisey	6. ArigaonChongzong
7. Lingthem	7. Sumi Lingzey	7. Khanigaon	7. Heesapong
8. Lavisardong	8. Central Pandam	8. Bharikhola	8. Rundu Barthang
9. Lower Gyer	9. Kamarey	9. Khairbotey	9. MartamGyabari
	10. Namli	10. Ghaidhali Gaon	10. Malbassey
	11. Tumlabong	11. Lepcha Gaon	11. Tharpu
	12. Ranka	12. Chekhim	12. Lower Thambong
	13. Lower Samdur	13. Upper Deythang	13. Chakhung

	14. BhusukNaitam	14. Lamaten	14. Malbassey
	15. SamlikMarchak	15. Lower Chalamthang	15. ChotaSamdong
	16. LatukChochenperi	16. Rashyap	16. Gelling Samsing
	17. ThekabongParakha	17. Lower Bermoik	17. DeythangParenggaon
	18. AhoYangtam	18. Upper Tembi	18. Ribdi
	19. PacheySamsing	19. Lower Gangla	19. TadongRinchenpong
	20. Bering Tareythang	20. Upper Rangang	20. Sangadorjee
	21. Chujachen	21. Upper Yangang	21. Buriakhop
	22. RolepLamaten	22. Upper Lingi	22. Timburbong
	23. RongliChageylakha	23. Kau Busty	23. Ohkrey
	24. ReguLingtam	24. Lower Omchu	24. Mendugaon
	25. Phadamchen	25. Sombarey	25. Rumbuk

**TARGET AND ACHIEVEMENT (FINANCIAL) FOR ACTIVITIES UNDER PKVY for the year 2020- 2021**

**Physical and Financial Report district wise:**

Sl. No.	Component	Financial achievement (Rs. in Lakhs)	Physical achievement
1	<b>Training on quality control</b>		
1.1	Training of Trainers LRP	0.63	Trainings imparted to 84 LRPs
1.2	Online registration of farmer	4.20	Registration complete
1.3	Soil sampling of the clusters	3.35160	Completed
1.4	Residue analysis of samples in NABL	67.20	647 samples were sent to NABL lab Mumbai. Completed and certificate received from the lab
1.5	Administrative component	14.196 @16900/-	Expenses were transferred to the districts and incurred for office stationeries, etc
2	Adoption of organic village for manure management and biological nitrogen harvesting through cluster approach		
2.1	Conversion of land to organic	42.00	Procurement of different soil amendments and manure management for enhancing the organic content of the land

2.2	Introduction of cropping system; Organic seed procurement or raising organic nursery	21.00	Distribution of organic seeds of pea
2.3	Biological Nitrogen harvest planting	21.00	Buckwheat and Soyabean distributed
3	<b>Integrated manure management</b>		
3.1	Liquid Biopesticides	21.00	Nimbion distributed
3.2	Neem cake/ Neem	21.00	50 acres per cluster covered
4	<b>Packaging labelling and branding of organic products</b>		
4.1	Packaging material with organic logo + Hologram printing	52.50	Procurement of printed flexible packaging for turmeric, cardamom, buckwheat, millet etc., hand sealing machine and PP woven sack and distribution done to the 84 clusters
4.2	Transportation of organic produces for 84 clusters	100.80	9 nos. of ISUZU D max vehicle procured for marketing of organic produce.
4.3	Organic fairs	30.51	completed

### Flagging off of the ISUZU by the Honourable Minister



Packaging material with organic logo



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## **RAINFED AREA DEVELOPMENT (RAD)**

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## RAINFED AREA DEVELOPMENT (RAD)

**Funding Pattern: 90:10 (Central Share: State Share)**

**Background:**

Rainfed Area Development (RAD) programme was started during the year 2014-15 under National Mission for Sustainable Agriculture (NMSA) with sole objective of conservation & development of natural resources with farming system in sustainable way within rainfed area. The scheme is being implemented in cluster approach covering area of 100 Ha./100 farmers.

**Financial Statement**

(Rs. in lakh)

Fund Management		Expenditure	Balance
Unspent Balance of 2019-20 (CS):	Rs. 16.21	Rs. 163.38	Rs. 12.83
New release of 2020-21 (CS):	Rs. 160.00		
<b>Total (CS):</b>	<b>Rs. 176.21</b>		
State share (SS):	Rs. 15.00	Rs. 15.00	-
<b>Grand Total:</b>	<b>Rs. 191.21</b>	<b>Rs. 178.38</b>	<b>Rs. 12.83</b>

Note: Rs. 16.21 lakh utilized for the payments of 2019-20

**Physical & Financial Progress, For 2020-21**

Sl. No.	Item	Unit	Achievement			
			Phy.		Fin.	
			Target	Ach.	Target	Ach.
<b>A.</b>	<b>Integrated Farming System</b>					
1.	Agro-Forestry System+Crop/Cropping system	Ha.	400	300	60.00	45.00
2.	Horticulture Based Farming System	Ha.	350	264	87.50	66.00
3.	Livestock based Farming Dairy based Farming(Heifers)	Ha.	100	100	40.00	40.00
	<b>Total</b>		<b>850</b>	<b>664</b>	<b>187.50</b>	<b>151.00</b>

<b>B. Value addition and Resource Management</b>						
<b>Sl. No.</b>	<b>Activity</b>	<b>Unit</b>	<b>Achievement</b>			
			<b>Phy.</b>		<b>Fin.</b>	
			<b>Target</b>	<b>Achievement</b>	<b>Target</b>	<b>Achievement</b>
1.	Training on IFS	No	40	40	10.00	4.00
2.	Vermi Compost	No	120	-	9.60	-
3.	Reclamation of Acidic Soils	Ha.	260	-	7.80	-
	Total:				27.40	4.00
	Total (A+B):				214.90	155.00
<b>C.</b>	<b>Management cost</b>  5%				7.32	7.17
<b>GRAND TOTAL (A+B+C)</b>					<b>222.22</b>	<b>162.17</b>

#### IDENTIFIED CLUSTERS UNDER RAD DURING 2020-21

<b>RAD Component</b>	<b>GPU- Clusters</b>
Agro-Forestry (Crop/Cropping System)	1. Rey Mendu, East 2. Lower Okhrey, West 3. Budang, West 4. PoklokKamrang, South
Horticulture based farming	5. Amba Mamring, East 6. Middle Geyzing, West 7. Khanisherbong, West 8. HeeGaythang, North 9. RinghimNampatam, North
Livestock based farming	10. BoomtarSingithang, South







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**PRADHAN MANTRI KRISHI SINCHAYEE YOJANA (PMKSY)**

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## PRADHAN MANTRI KRISHI SINCHAYEE YOJANA (PMKSY) “PER DROP MORE CROP DURING THE YEAR 2020-21

Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) is the flagship programme of the Ministry of Agriculture and Cooperation & Farmers Welfare, Govt. of India which focuses on the integrated development for water resources and with the objective of expanding the access of water to each farm. The scheme aims to provide end-to-end solutions in irrigation supply chain, such as creation of water sources, rain water harvesting, distribution network, efficient on-farm application and extension services on new technologies/information.

The overreaching vision of PMKSY will be to ensure access to some means of protective irrigation to all agricultural farms in the country, to produce “*per drop more crop*”, thus bringing much desired rural prosperity.

### **Objectives**

The broad objectives of the PMKSY are:

- Achieve convergence of investments in irrigation at the field level.
- Enhance the physical access of water on the farm and expand cultivable area under assured irrigation.
- Integration of water source, distribution and its efficient use, to make best use of water through appropriate technologies and practices.
- Improve on-farm water use efficiency to reduce wastage and increase availability both in duration and extent.
- Enhance the adoption of precision irrigation and other water saving technologies (More crop per drop)
- Enhance recharge of aquifers and introduce sustainable water conservation practices.
- Ensure the integrated development of rainfed areas using the watershed approach towards soil and water conservation, regeneration of ground water, arresting runoff, providing livelihood options and other NRM activities.
- Promote extension activities relating to water harvesting, water management and crop alignment for farmers and grass root level field functionaries.

This will in turn increase agricultural production and productivity and enhance farm income.

### **Funding pattern**

PMKSY fund shall be shared between Centre and State Government on 90:10 patterns.

There are two sub components under Per Drop More Crop scheme namely

- a) Creation of water sources/Other Interventions
- b) Micro Irrigation

The fund for each component is shared at the ratio of 60% under Micro Irrigation and 40% under Creation of water sources/Other Interventions as per the fund allocation of previous year.

During the year 2019-20 an Action Plan of Rs. 2120.00 lakh was approved under Per Drop More Crop - Other Interventions however as the fund was received at the fag end of the year the work was carried out during the year 2020-21. The detailed progress report is enclosed.

**Annexure IV**

PHYSICAL AND FINANCIAL ACHIEVEMENT DURING FINANCIAL YEAR 2020-21 " Per Drop More Crop Other Interventions"								
SL No	District	Secondary Water Storage Structure			Pipelines		Admn Cost (in lakh)	Financial (in lakh)
		Ltrs	Nos	Cost (in lakh)	Mtrs	Cost (in lakh)		
1	North	790000	36.00	130.00	143300	90.07	106.00	2092.66
2	East	2320000	96.00	365.45	247300	209.80		
3	South	2670000	109.00	400.00	227000	161.21		
4	West	2740000	110.00	433.21	283000	196.93		
5	Total	8520000	351	1328.66	900600	658.00		



**10,000 LTRS RCC WATER TANK NAME OF LAND DONOR: AJAY CHETTRI  
LOCATION: SAMATAR**



**50,000 LTRS GENAP TANK**

**NAME OF BEFICIARIES: COMMUNITY BASIS  
NAME OF LAND DONOR: KRISHNA LAL SHARMA  
LOCATION: HARRABOTEY**



50,000ltrs Steel Demountable Water Harvesting Tank  
Name of Beneficiaries: Community Basis.  
Name of Land Donour : Arjun Rai  
Location: Paiyoungam.



30,000ltrs Steel Demountable Water Harvesting Tank  
Name of Beneficiaries: Community Basis.  
Name of Land Donor :Phurba Lepcha  
Location: Paiyoungram

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**SUB MISSION ON AGRICULTURE EXTENSION -SMAE**

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## FORMAT FOR REPORTING ANNUAL PROGRESS REPORT 2020-2021

SL. NO.	PARTICULAR	REMARKS
1.	Name of the Scheme	“Support to State Extension programmes for Extension Reforms (ATMA)”
2.	Whether Centrally Sponsored Scheme or State Earmarked Scheme:	Centrally Sponsored Scheme (CSS)
3.	Funding Pattern:	90: 10 i.e. (Central: State)
4.	Details of sanction Order:	Release of Grant in aid (1 <sup>st</sup> instalment) vide Letter No. F.No.36-15/2017-AE/Ext. Desk dated 17 <sup>th</sup> Sept, 2020.
5.	Details of fund received from the GOI:	Out of the total Tentative fund allocation of Rs.330.82 lakhs, GOI had released only 50% i.e., 1 <sup>st</sup> Instalment grant in aid of Rs.165.41 lakh.
6.	Total fund available:	<b>349.27 lakh</b>
7.	Unspent balance of previous year:	<b>163.86 lakh</b>
8.	Expenditure during current FY	<b>349.27 lakh</b>
9.	Objective of the Scheme:	The scheme aims at making extension system farmer driven and farmer accountable by disseminating new technologies to farmers through cafeteria of activities under ATMA/ SAMETI viz. training, demonstrations, farm schools, exposure visits, formation of Commodity Interest Groups (CIGs)/Food Security Groups, joint visit by Scientist and Extension Functionaries, Incentive for Exemplary Extension Work and Innovative Technology Dissemination through Print Media, Short Films and Kissan Call Centre etc. It is a single window extension delivery system inclusive of Agriculture and Allied sectors.
10.	Expected outcome:	Disseminate new technology through means of training/demo/exposure etc. to farmers through ATMA level at district help in increase on the productivity/quality of both Agriculture and Horticulture crops.
11.	Progress during Last Financial Year: a. Physical Progress (with photographs) b. Financial Progress c. Target no. Of beneficiaries d. No. Of beneficiaries covered e. Area covered f. Details of UC submitted	Enclosed in APR prescribed format of Govt.of India & PPT slides presented during SLSC meeting.

<b>ANNUAL REPORT W.E.F 1<sup>st</sup> APRIL 2020 to 31<sup>st</sup> March 2021(GOI 90 %&amp; GOS 10%)</b>		
<b>FOR THE IMPLEMENTATION OF EXTENSION REFORMS (ATMA) SCHEME</b>		
<b>1. Name of State/ District; SIKKIM</b>		
<b>2. Number of ATMA Districts: 04 nos.</b>		
<b>3. Meetings</b>		
<b>(I) - SLSC</b>		
<b>Sl.No.</b>	<b>Date of Meeting</b>	<b>Important Decisions taken</b>
3.1	11th AUGUST 2020	i. Approval of SEWP of <b>Rs.367.58 lakh</b> (Inclusive of State Share)
		ii. 10% Increment for Extension Functionaries as per Guidelines.
		iii. Implementation of Renewal of work order issued to Nominated firm M/s Dark Room Creations for printing of Monthly Newsletter on approved rate and M/s Nima Printing of printing of Agricultural Calendar after availing NOC from Government Printing Press.
		iv. Permission to utilize revalidated unspent balance of Rs. 164.52 Lakhs.
		v. Implementation of Training Programme framework for 2020-21.
		vi. Deposit of Fund in SAMETI govt Account as an when Grant in Aid Receive from GOI/GOS for further release of ATMA implementing agency at district level.
		vii. Implementation of Innovative Activities at State and District level as per GOI ATMA guidelines.

<b>(III) - ATMA GB</b>			
<b>Sl.No.</b>	<b>ATMA</b>	<b>Date of Meeting</b>	<b>Important Decisions taken</b>
3.3	ATMA, EAST	19-08-2020	i. Review of Training, Farmers Scientist interaction and other farmers-oriented activities carried out during 2020-21
			ii. Farmers oriented activities will be carried out for the fund received as 1 <sup>st</sup> installment 2020-21.
			iii. Online enrolment of members nominated for DFAC and BFAC members duly signed by chairman of ATMA i.e., DC.
			iv. Farmers oriented activities to be carried out. Discussion on settlement and reporting of activities for the 1 <sup>st</sup> installment.
			vi. Selection of groups representing different enterprise.
			vii. Discussion on preparation for upcoming kisan mela.
			viii. Opening of farm school with allied sectors.
			3.4
II. Organic seed production of local crops on farm schools and demonstration.			
III. Convergence of KVK as a designated expert for farm school and demonstration.			
IV. Opening of farm school with allied sectors.			
V. Selection of farmer's friend.			
3.5	ATMA, NORTH	13-08-2020	i. Review of Farmers oriented activities as per approved SEWP District level for the FY 2020-21.
			ii. In convergence with the allied sectors.
			iii. Taking up of innovative activities.
			iv. Selection of groups of farm women in agriculture as Food Security Groups.
			v. Opening of farm school with allied sectors.
			vi.. Selection of farmer's friend.
3.6	ATMA, SOUTH	27-08-2020	a. Review of Training, Farmers Scientist interaction and other farmers-oriented activities carried out during 2019-20
			b. Farmers oriented activities will be carried out through the SOP issued by the Govt. Utilization of 1 <sup>st</sup> installment 2020-21.
			c. Issue of ID card for DFAC and BFAC member duly signed by chairman of ATMA i.e., DC.

**(IV) Programmes/ Activities  
(Amount in Lakh Rupees)**

Sl.No	Activities		Physical		Financial	
			T	A	AA	E
1	2		3	4	5	6
<b>A.</b>	<b>STATE LEVEL:</b>					
<b>A.1</b>	<b>Monitoring &amp; Evaluation</b>					
	a) Quarterly review workshops and RE Interfaces (Pre-seasonal)		04 nos.	02 nos.	1.60	0.72
	b) Concurrent Monitoring & Evaluation		Annually		1.02	0.40
	c) Expenses for IDWG including TA,DA, hiring of vehicle/POL & contingencies for SNO and State Coordinator		04 nos	01 nos	2.42	0.20
	<b>Total A.1</b>				<b>5.04</b>	<b>1.32</b>
<b>A.2</b>	<b>a. Training (Inter State/SAMETI level)</b>					
	No. of Training programmes #		7 nos	2 nos	1.62	0.46
	No. of participants <b>Female</b>	Gen.	16			
		SC	12			
		ST	24			
		OBC	28			
		Min.**				
		<b>Total:</b>	<b>80</b>			
	No. of participants <b>Male</b>	Gen.	24			
		SC	2			
		ST	14			
		OBC				
		Min.**				
		<b>Total:</b>	<b>40</b>			
	<b>GT</b>	120 nos				
	No. of man days*					
	<b>b. Induction Training ( Field Attachment )</b>					
	No. of Training programmes #		15 nos	06 nos	2.08	2.08
	No. of participants <b>Male</b>	Gen.	26			
		SC	12			
		ST	18			
		OBC	34			
		Min.**				
		<b>Total:</b>	<b>90</b>			
	No. of participants <b>Female</b>	Gen.	28			
		SC	16			
		ST	11			

	OBC	31				
	Min.**					
	<b>Total:</b>	86				
<b>GT</b>		176				
No. of man days*						
<b>c. Refresher Training</b>						
No. of Training programmes #		11 nos	07 nos	3.21	3.21	
No. of participants <b>Female</b>	Gen.	26				
	SC	18				
	ST	8				
	OBC	45				
	Min.**					
	<b>Total:</b>	97				
No. of participants <b>Male</b>	Gen.	28				
	SC	7				
	ST	16				
	OBC	12				
	Min.**					
	<b>Total:</b>	63				
<b>GRAND TOTAL:</b>	<b>160</b>					
<b>No. of man days* 450</b>						
<b>d. Development of Quality Resource Material for training &amp; HRD Interventions (no. of workshop days) Reading materials for VLWs</b>		8	1	2.83	0.46	
<b>Total A.2</b>				<b>9.74</b>	<b>6.21</b>	
<b>A.3</b>	<b>Exposure visits</b>	07 nos		1.42		
	- No. of Exposure Visits					
		Gen.				
		SC				
		ST				
	No. of participants <b>Male</b>	OBC				
		Min.				
		<b>Total:</b>				
		Gen.				
		SC				
	No. of participants <b>Female</b>	ST				
		OBC				
		Min.				
		<b>Total:</b>				
<b>GT</b>						

	No. of man days*					
	<b>Total A.3</b>			<b>1.42</b>	<b>0.00</b>	
<b>A.4</b>	<b>State level Exhibitions/ Kissan melas/ etc.</b>					
	- Number of events		03 Nos		1.87	
	Number of visitors <b>Male</b>	Gen.				
		SC				
		ST				
		OBC				
		Min.	**			
		<b>Total:</b>				
	Number of visitors <b>Female</b>	Gen.				
		SC				
		ST				
		OBC				
		Min.	**			
		<b>Total:</b>				
<b>GT</b>	:					
<b>Total A.4</b>				<b>1.87</b>	<b>0.00</b>	
<b>A.5</b>	<b>Krishi Expo/ Regional Fairs- Organized/ supported by DAC</b>					
	- Number of events		02 Nos		0.84	
	No. of Participants <b>Male</b>	Gen.				
		SC				
		ST				
		OBC				
		Min.	**			
		<b>Total:</b>				
	No. of Participants <b>Female</b>	Gen.				
		SC				
ST						
OBC						
Min.		**				
	<b>Total:</b>					
<b>GT</b>						
<b>Total A.5</b>				<b>0.84</b>	<b>0.00</b>	
<b>A.6</b>	Awards for best performing district ATMA	4 nos		2.00	--	
<b>Total A.6</b>				<b>2.00</b>	<b>--</b>	
<b>A.7</b>	<b>Farmer's Award state level</b>	4 nos	--	0.89		
	<b>District level</b>	8 nos		1.26		
	<b>b. Incentive for Exemplary Extension work at District/Block Level</b>	4	--	1.52	--	
	<b>c. Incentivizing Scientist and</b>	4		1.49	--	

	<b>Ext. Personnel</b>						
	<b>d. Lumpsum Grant for PPP Model</b>		4	--	1.89		
	<b>Total A.7</b>				<b>7.05</b>		
<b>A.8</b>	<b>(a) Operational Expenses</b>		1yr	12months	9.00	5.45	
	<b>(b) Number of Success Stories documented</b>			--	1.50		
	<b>(c) Information Dissemination through printed leaflets</b>		12 months	12months	5.00	4.94	
	<b>(d) Vehicle hiring &amp; POL</b>		12 months	12 months	2.40	1.43	
	<b>(e) One time grant for furnishing &amp; up gradation</b>		<b>01 nos</b>		0.00		
	<b><u>Non - Recurring</u></b>		--	--	0.00		
	<b><u>(f) Equipment</u></b>						
	<b><u>Loans &amp; Advances</u></b>				13.02		
	<b>Total A.8</b>				<b>30.92</b>	<b>11.82</b>	
<b>TOTAL (A.1 to A.8) \$</b>					<b>58.88</b>	<b>19.35</b>	
<b>B.</b>	<b>DISTRICT LEVEL:</b>						
<b>I. Farmer oriented activities</b>					--	--	
<b>B.1</b>	Developing/Revisiting SREPs (Numbers)		4		4.00		
<b>B.2</b>	<b>Training of farmers</b>						
	<b>a) Inter State</b>					--	
	<b>o No. of Trainings</b>			10 nos		2.82	
	No. of Participants Male	Gen.					
		SC					
		ST					
		OBC					
		Min.		**			
		Total:					
	No. of Participants Female	Gen.					
		SC					
		ST					
		OBC					
Min.		**					
Total:							
<b>GRAND TOTAL:</b>							
No. of man days*							
<b>b) Within</b>							

<b>State</b>						
<b>- No. of Trainings</b>			25 nos	08 nos	3.62	0.56
No. of Participants Male	Gen.	41				
	SC	25				
	ST	12				
	OBC	56				
	Min.					
	Total:	134				
No. of Participants Female	Gen.	22				
	SC	24				
	ST	12				
	OBC	8				
	Min.					
	Total:	66				
GRAND TOTAL:	200					
No. of man days*						
<b>c) Within District level- i) Residential</b>			8 nos	8 nos	3.20	3.20
<b>o No. of Trainings</b>						
No. of participants Male	Gen.	28				
	SC	16				
	ST	19				
	OBC	41				
	Min					
	Total:	104				
No. of participants Female	Gen.	26				
	SC	9				
	ST	9				
	OBC	12				
	Min.					
	Total:	56				
GRAND TOTAL:	160					
No. of man days*		640				
<b>c) Within District level- ii) Non-Residential</b>						
<b>o No. of Trainings</b>			74 nos	48 nos	4.64	3.00
No. of participants	Gen.	264				
	SC	158				

	Male	ST	124				
		OBC	168				
		Min.					
		Total:	714				
	No. of participants Female	Gen.	159				
		SC	64				
		ST	39				
		OBC	24				
		Min.					
		Total:	286				
	GRAND TOTAL:	1000					
<b>Total B.2</b>					<b>15.08</b>	<b>6.76</b>	
<b>B.3</b>	<b>Organizing Demonstrations</b>						
	<b>No. of Demonstrations</b>						
	(a) Agriculture	94 nos	46 nos	3.76	1.84		
	(b) Allied Sectors-(i) AHD&F	75 nos	38 nos	3.00	1.52		
	(ii) Horticulture						
	(iii) Sericulture						
	(iv) Poultry						
	(v) Fodder Production						
	(vi) Any Other (give specification)						
	<b>Total ;</b>		<b>169 nos</b>				
	No. of individual farmers: -						
	No. of farmers Male	Gen.	101				
		SC	122				
		ST	94				
		OBC	186				
Min.							
Total:		503					
No. of farmers Female	Gen.	57					
	SC	64					
	ST	98					
	OBC	28					
	Min.						
	Total:	247					
Grand Total	750						
<b>Total B.3</b>					<b>6.76</b>	<b>3.36</b>	
<b>B.4</b>	<b>Exposure Visits (EV):</b>						
	a) Inter-state					--	
	o No. of Exposure Visits		4	-	3.25		
	No. of participants Male	Gen.					
		SC					

	ST					
	OBC					
	Min.	**				
	<b>Total:</b>					
No. of participants <b>Female</b>	Gen.					
	SC					
	ST					
	OBC					
	Min.	**				
	<b>Total:</b>					
<b>GRAND TOTAL:</b>						
No. of man days*						
(b) Within State						
o No. of Exposure Visits			12 nos	08 nos	4.59	2.40
No. of participants Male	Gen.	28				
	SC	24				
	ST	12				
	OBC	6				
	Min.					
	Total:	70				
No. of participants Female	Gen.	16				
	SC	12				
	ST	2				
	OBC					
	Min.					
	Total:	30				
<b>GRAND TOTAL:</b>		100				
<u>No. of man days = 300 md</u>						
c) Within district						
- No. of Exposure Visits			25	16 nos	1.69	1.92
No. of participants Male	Gen.	29				

		SC	16			
		ST	19			
		OBC	48			
		Min.				
		Total:	112			
	No. of participants Female	Gen.	24			
		SC	12			
		ST	8			
		OBC	4			
		Min.				
		Total:	48			
	<b>GRAND TOTAL:</b>		<b>160</b>			
	<u>- No. of man days=320 md</u>					
	Total B.4				<b>9.53</b>	<b>4.32</b>
<b>B.5</b>	<b>Mobilization of farmer groups</b>					
	<b>a) Capacity building, skill development and support services</b>		51 grp	41 grp	5.10	2.05
	o No. of Groups formed:		41 grp			
	o No. of members benefitted:		410 nos			
	<b>b) Seed money /revolving fund</b>		38 grp	38 grp	3.65	3.80
	o No. of Groups provided seed money:			38 grp		
	o No. of members benefitted:			380 nos		
	<b>c) Food Security Groups for Women</b>		50 grp	46 grp	1.35	4.60
	o No. of Groups formed		46 grp			
	<b>Total B.5</b>				<b>10.10</b>	<b>10.45</b>
<b>B.6</b>	Rewards and incentives -					
	o Best organized group representing different enterprises		4 grp		0.80	
	<b>Total B.6</b>				<b>0.80</b>	
<b>B.7</b>	Farmer Awards (Numbers)			--		
	o Block level					--
	<b>Total B.7</b>				<b>0.00</b>	<b>0.00</b>
<b>II. Farm Information dissemination</b>						
<b>B.8</b>	<u>District level exhibitions, kisan melas, fruits/ vegetable shows.</u>		4 dist.	10 nos	12.00	9.50

	<b>o No. of events</b>					
<b>Total No. of visitors Male</b>	<b>Gen.</b>	<b>948</b>				
	<b>SC</b>	<b>140</b>				
	<b>ST</b>	<b>128</b>				
	<b>OBC</b>	<b>846</b>				
	<b>Min.</b>					
	<b>Total:</b>	<b>2062</b>				
<b>Total No. of visitors Female</b>	<b>Gen.</b>	<b>587</b>				
	<b>SC</b>	<b>432</b>				
	<b>ST</b>	<b>132</b>				
	<b>OBC</b>	<b>283</b>				
	<b>Min.</b>					
	<b>Total:</b>	<b>1434</b>				
	<b>Grand Total</b>	<b>3496 nos</b>				
	<b>Total B.8</b>				<b>12.00</b>	<b>9.50</b>
<b>B.9</b>	a) Information Dissemination through printed Leaflets etc. & local advertisements	4 dist			2.00	0.00
	b) Low cost publication	4 nos	--		1.88	--
	<b>Total B.9</b>				<b>3.88</b>	<b>0.00</b>
<b>B.10</b>	Technology packages developed	31 pack			<b>2.00</b>	
<b>III. Agricultural Technology Refinement, Validation and Adoption</b>						
<b>B.11</b>	a) Farmer Scientist Interactions at district level		30 nos	12 nos	2.01	1.20
	<b>o No. of interaction</b>	<b>08 nos</b>				
<b>No. of farmers participated Male</b>	<b>Gen.</b>	<b>46</b>				
	<b>SC</b>	<b>12</b>				
	<b>ST</b>	<b>6</b>				
	<b>OBC</b>					
	<b>Min.</b>	<b>**</b>				
	<b>Total:</b>	<b>64</b>				
<b>No. of farmers participated Female</b>	<b>Gen.</b>	<b>10</b>				
	<b>SC</b>	<b>2</b>				
	<b>ST</b>	<b>4</b>				
	<b>OBC</b>	<b>2</b>				
	<b>Min.</b>	<b>**</b>				
	<b>Total:</b>	<b>18</b>				
	<b>GRAND TOTAL:</b>	<b>82</b>				
	b) Designated expert support from KVK/ SAU at district level.	4 nos			1.26	
	c) Joint visit of Scientist & Extension Workers	50 nos	50 nos		1.24	1.50
	<b>Total B.11</b>				<b>4.51</b>	<b>2.70</b>
<b>B.12</b>	Organization of field days and kisan goshthies		29 nos	31 nos	3.46	4.65

	<b>o No. of Field Days/Kisan Goshties organized</b>				
<b>No. of farmers participated Male</b>	<b>Gen.</b>	<b>288</b>			
	<b>SC</b>	<b>153</b>			
	<b>ST</b>	<b>29</b>			
	<b>OBC</b>	<b>298</b>			
	<b>Min.</b>	<b>**</b>			
	<b>Total:</b>	<b>768</b>			
<b>No. of farmers participated Female</b>	<b>Gen.</b>	<b>126</b>			
	<b>SC</b>	<b>128</b>			
	<b>ST</b>	<b>22</b>			
	<b>OBC</b>	<b>196</b>			
	<b>Min.</b>	<b>**</b>			
	<b>Total:</b>	<b>472</b>			
<b>Grand Total:</b>	<b>1240</b>				
	<b>Total B.12</b>			<b>3.46</b>	<b>4.65</b>
<b>B.13</b>	Assessment, refinement, validation and adoption of frontline technologies and other short term researchable issues through KVKs and other local research centres.	4 dist		1.90	
	o No. of KVKs involved : 04 nos				
	o Issues/ trials allocated : 14 issues		--		
	<b>Total B.13</b>			<b>1.90</b>	<b>0.00</b>
<b>B.14</b>	a) Operational expenses for including TA/DA at district level	12 months	11 months	31.40	34.10
	b) Hiring of vehicles & POL	12 months	11 months	6.00	5.08
	c) Operational expenses at block level.	31	4	1.00	2.78
	d) Operational Expenses for DFAC meeting	16 nos	04 nos	1.65	0.40
	e) Operational Expenses for BFAC meeting	92 nos	21 nos	2.50	1.05
	<b>Total B.14</b>			<b>42.55</b>	<b>43.41</b>
<b>B.15</b>	<b>Farm Schools</b>	62 nos	46 nos	18.24	13.53
	a) Agriculture	21 nos			
	a) AHD&F	02 nos			
	b) Horticulture	05 nos			
	c) Sericulture				
	d) Poultry	01 nos			
	e) Fodder Production)	00 nos			
f) Any Other (give specification)	--				
	<b>Total B.15</b>			<b>18.24</b>	<b>13.53</b>

<b>Total (B.1 to B. 15)</b>					<b>134.81</b>	<b>98.68</b>
<b>C.</b>	<b>INNOVATIVE ACTIVITIES - STATE LEVEL</b>					
<b>C.1</b>	Implementation of Extension Activities through Agri-Entrepreneurs trained under Agri-Clinic scheme.			--	3.15	--
	No. of Agri-preneurs involved	Gen.				
		SC				
		ST				
		OBC				
		Min**				
		<b>Total:</b>				
	<b>Total C.1</b>				<b>3.15</b>	<b>--</b>
<b>C.2</b>	P.G. Diploma in Agri. Extension. Mgmt.		25		1.88	
	No. of functionaries enrolled	Gen.	10			
		SC	3			
		ST	4			
		OBC	6			
		Min.**				
		<b>Total:</b>	23 nos			
<b>Total (C.1 to C.2)</b>				--	<b>5.03</b>	
<b>D.</b>	<b>INNOVATIVE ACTIVITIES - DISTRICT LEVEL</b>				--	--
<b>D.1</b>	<b>Support for district level Training Institutions - It may include both "Operational Expenses" and Non-Recurring Expenditure</b>		4 dist			
	(i) Setting up CRS		<b>1 CRS</b>			
	- No. of CRS supported for infrastructure				--	--
<b>D.2</b>	Setting up CRS					
<b>D.3</b>	<b>Farmer Friend</b>		31	31	3.72	3.40
<b>Total (D.1 to D.3)</b>					<b>3.72</b>	<b>3.40</b>
<b>E.</b>	<b>OTHER INNOVATIVE ACTIVITIES</b>					--
E.1	Innovative activities - State component		04 nos		2.00	--
E.2	Innovative activities - District component		4 dist		6.00	5.68
<b>Total (E.1 &amp; E.2)</b>					<b>8.00</b>	<b>5.68</b>
<b>F.</b>	<b>IDT component</b>				--	

F.1	Display board	--	--		
F.2	Pico projector				
F.3	Production of low cost films				
F.4.a	Handheld Devices				
F.4.b	GPRS Charges				
F.5	Kala Jatha			--	--
<b>Total (F.1 to F.4)</b>			--		
<b>SUB-TOTAL (A. to F.)</b>				<b>210.44</b>	<b>127.11</b>
<b>G.</b>	<b><u>Specialist and Functionary Support</u></b>				
G.1	<b>State Level</b>				--
	- State Coordinator	12 months			
	- Gender Coordinator	12 months	12 months	5.28	5.32
	- Director (SAMETI)			--	--
G.1	- Faculty/Deputy Director(SAMETI)				
	- Accountant-cum-clerk(SAMETI)	12 months	12months	4.32	4.32
	- Computer Programmer/Data Entry Operator(SAMETI)	12 months	12months	2.11	2.11
	<b>Total G.1</b>			<b>11.71</b>	<b>11.75</b>
G.2	<b>District Level</b>			--	--
	- Project Director	12 months			
	- Deputy Project Director	12 months			
	- Accountant-cum-clerk	12 months	12 months	15.23	15.23
	- Computer Programmer/Data Entry Operator	12 months	12 months	9.288	9.00
	<b>Total G.2</b>			<b>36.23</b>	<b>24.23</b>
	<b>Block Level</b>				
G.3	Block Technology Manager (BTM)	12 months	12 months	104.20	105.53
	Assistant Technology Manager (ATM)	12 months	12 months	85.00	81.12
	<b>Total G.3</b>			<b>189.20</b>	<b>186.65</b>
<b>Total (G)</b>				<b>237.14</b>	<b>222.63</b>
<b>Total State level A.1 to G.1</b>				<b>70.59</b>	<b>31.10</b>
<b>Total District level B.1 to G.2 &amp; G.3</b>				<b>376.99</b>	<b>318.64</b>
<b>Grand Total A.1 to G.2</b>				<b>447.58</b>	<b>349.74</b>

<b>Financial Summary</b>		
<b>Sl.No.</b>	<b>FINANCIAL SUMMARY</b>	<b>Amount Rs. In Lakh</b>
F1	<u>Unspent opening balance as on 1<sup>st</sup> April, 2020</u>	
	Central Share	149.020
	State Share	14.842
	<b>Total</b>	<b>163.86</b>

F.2	Funds received from DAC (Grant in Aid) (GOI Share) 1st Installment CFY	165.41
F.3	<u>Total Fund Available during the Year up to the month of 31st March , 2021</u>	
	GOI Share	314.43
	GOS Share	34.84
F.4	Bank Interest accrued during the year	2.04
F.5	Release of State's Matching Share during the year 2020-21	20.00
	Total State Fund	34.84
F.6	Total Expenditure till 31st March , 2021	
	Central Share	315.68
	State Share	34.06
	Total	349.74
F.7	<u>Unspent closing balance as on 31st March , 2021</u>	
	Central Share	0.79
	<u>State Share</u>	
	Lying in State Treasury ( Not yet Receive )	
	State Share (Others)	0.78
	Total	1.57

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**SUBMISSION ON AGRICULTURE MECHANIZATION  
(SMAM)**

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## ANNUAL REPORT SMAM: 2020- 2021

Sl.No.	Particular	Remarks
1.	Name of the Scheme	Submission on Agriculture Mechanization.
2.	Whether Centrally Sponsored Scheme or State Earmarked Scheme:	Centrally Sponsored Scheme.
3.	Funding Pattern:	90:10
4.	Details of sanction Order:	1. 3-1/ (Revalidation/2015-M&T (I&P) Dated 22 <sup>nd</sup> April 2020. 2. 3-6/KKA-III/2020 M&T (I&P) Dated 2 <sup>nd</sup> June 2020.
5.	Details of fund received from the GOI:	1205.60 lakh
6.	Total fund available:	1205.60 lakh- Central Share 119.68 lakh - State Share
7.	Unspent balance of previous year:	20.82 lakh
8.	Expenditure during current FY	1184.78 lakh
9.	Objective of the Scheme:	1. Increasing the reach of farm mechanization to small and marginal farmers and to the regions where availability of farm power is low. 2. Promoting 'custom hiring centres' to offset the adverse economics of scale arising due to small landholding and high cost of individual ownership.
10.	Expected outcome:	Farm Power Availability 0.58 kw/ha.
11.	Progress during Last Financial Year: h. Physical Progress (with photographs) i. Financial Progress j. No. of beneficiaries covered k. Area covered l. Details of UC submitted	Details Enclosed.

Sub-mission on Agriculture mechanization (SMAM)						
Financial year: 20-21						
Nodal Department: Agriculture						
Sl. No.	Component	Activities	Targets Approved by DAC&FW		Achievement till March 2021	
			Physical	Financial	Physical	Financial
1	Promotion of Farm machinery and equipment in North-Eastern States	Power Tiller	369	372.13	369	357.55
		Power Weeder	421	378.9	408	380
		Chaff Cutter (Power)	329	115.15	329	115.15
		Brush Cutter	103	30.9	111	35.52
		Multipurpose Grinder	30	10.5	30	10.5
		Power sprayer	10	2.5	10	2.5
		mini Rice mill	20	25.00	20	25.00
		Garden hand tools	300	30.00	300	30.00
		2	Financial assistance for Custom Hiring Centre with minimum & farmer per CHC.		6	57.00
		Total (ii)		1022.08		1013.22

**PROVISIONAL UTILIZATION CERTIFICATE (FOR STATE GOVERNMENT)**  
(Where expenditure incurred by Government Bodies only)

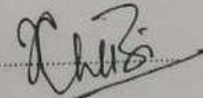
Sl.no	Letter No. and Date	Amount (Rs)	
1.	3-1/(Revalidation/2015-M&T (I&P) Dated 22 <sup>nd</sup> April 2020	1007.65 lakhs	Certified that out of Rs 1205.60 Lakh of grants – in aid as Central share sanctioned during the year 2019-20(Rs. 1007.65lakh) and during 2020-21 (Rs. 198.00) in favour of State of Sikkim under this Ministry/ Department letter No. given in this margin, a sum of Rs 1184.78 Lakhs has been utilized for the purpose of CSS "Sub mission on Agricultural Mechanization" for which it was sanctioned. A sum of Rs 20.82 lakh from the Central share remains unutilized and will be utilized within this current financial year. The State share of Rs 119.68 lakhs has been fully utilized.
2.	3-6/KKA-III/2020 M&T(I&P) dated 2 <sup>nd</sup> June 2020	198.00 lakhs	
3.	State Share: SMAM KKA III	106.54 lakhs 13.14 lakhs	

2. Certified that I have satisfied myself that the conditions on which the grant-in –aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. Voucher
2. Cash Book
3. Ledger

Signature.....



State Nodal Officer  
Additional Chief Engineer  
Agriculture Department  
Government of Sikkim

ADLL CHIEF ENGINEER  
Department of HCCD/FSAD  
Government of Sikkim  
Krishi Bhawan, Gangtok

Date:- 28/06/2021

Note:- The fund has been utilized  
through State treasury.

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**SOIL HEALTH  
MANAGEMENT / SOIL HEALTH  
CARD -SHM**

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- a) Name of the scheme: **Soil Health Card**  
 b) Centrally sponsored scheme/state earmarked scheme: **Centrally sponsored Scheme**  
 c) Funding Pattern: **90:10**  
 d) Details of sanction order: 16-27/2015 Fert. Use dated 23 July2020  
 e) Details of fund

Fund Allotted	Fund released		Expenditure incurred		Unspent balance	
	GoI	State Share	GoI	State Share	GoI	State Share
18.92	8.515	1.79	8.515 (fund transferred to districts)	1.79 (Administrative expenses)	Nil	Nil

**Objective of the scheme:**

Soil Health Card (SHC) scheme is implemented with an objective to promote integrated nutrient management and balanced and judicious use of bio-fertiliser and locally-available organic manures based on soil testing reports to maintain soil health, fertility and crop productivity.

A new initiative of the department under GoI guidelines, the SHC scheme was implemented *w.e.f*2019-20 on pilot project basis wherein one model village is adopted in each development block for farm holding based soil sample collection and soil health card distribution.

**f) Expected outcome:**

Farmers were provided with SHC and on the basis of which farmers were able to apply organic nutrients and maintain soil health and fertility for optimal good crop production. Further, field demonstration was conducted in farmer's field to demonstrate the effect of treated vs. untreated crops and to compare the results and convince farmers of the benefits of managing soil fertility organically and sustainably.

**g) Progress**

**Physical and Financial Report district wise:**

Sl. No.	Component	Physical Achievement	Financial achievement (Rs. in lakhs)
1	Farmer's training	70 numbers	
		North -10	1.2
		East-19	2.28
		South-18	2.16
2	Demonstration on nutrient balancing	70 numbers	0.875
		North -10	0.125
		East-19	0.2375
		South-18	0.225
		West-23	0.2875

## Details of UC

GFR 12 – C  
 [(See Rule 239)]

### FORM OF UTILIZATION CERTIFICATE (FOR STATE GOVERNMENTS)

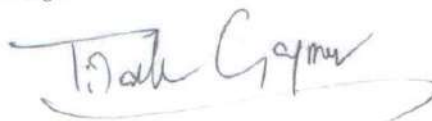
(Where expenditure incurred by Govt. bodies only)

Sl. No.	Letter No. and date	Amount(in lakhs)	Certified that out of Rs20.505 lakhs of grants sanctioned during the year 2018-19 in favor of Soil Health Card under National Mission for sustainable Agriculture (NMSA) under the Ministry/Department Letter No. given in the margin, a sum of Rs 20.505 lakhs has been utilized for the purpose for which it was sanctioned and that has been utilized for the purpose for which it was sanctioned and that the balance of Rs.nil remaining unutilized at the end of the year.
1	16-27/2015 Fert.Use 23 <sup>rd</sup> July 2020	20.505	
	Total	20.505	
2	State share	3.76	

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the propose for which it was sanctioned.

#### Kinds of checks exercised

1. Close monitoring during implementation of the scheme by District officers and officers from the Head Office.
2. Cashbook
3. Ledger



Signature..... **Director, Agriculture**  
**Government of Sikkim**

Designation: Director, Agriculture

Date.....



Signature.....

Designation: Joint Director, INM

Date..... **Joint Director**

Agriculture Government of Sikkim





- i. Name of the scheme: **SOIL HEALTH MANAGEMENT**
- ii. Centrally sponsored scheme/state earmarked scheme: **Centrally sponsored Scheme**
- iii. Funding Pattern: **90:10**
- iv. Details of sanction order: **2-1/2020Fert.Use dated 14<sup>th</sup> May 2020**
- v. **Details of fund**

Fund Allotted	Fund released		Expenditure incurred		Unspent balance	
	GoI	State Share	GoI	State Share	GoI	State Share
453.90	200.00	21.87	200.00	21.87	Nil	Nil

- vi. **Objective of the scheme:**  
Soil Health Management aims at promoting Integrated Nutrient Management (INM) through judicious use of fertilizers including secondary and micro nutrients in

conjunction with organic manures and bio-fertilizers for improving soil health and its productivity;

Strengthening soil and fertilizer testing facilities to provide soil test-based recommendations to farmers for improving soil fertility;

**vii. Expected Outcome**

Strengthening of Soil Testing lab for proper testing of the soil samples.

Providing farmers with biofertilizer using local strain.

**viii. Progress**

**Physical & Financial Report**

Sl. No.	Component	Physical achievement			No. of Beneficiary covered	Financial achievement (Rs. in lakhs)
1	Strengthening of soil testing laboratories	3 nos. AAS flame photometer and glassware for Soil Testing Labs located at Tadong, (East Sikkim), Namthang (South Sikkim) and Gezing (West Sikkim)			3	56.00
2	Strengthening of bio-fertiliser production units	Procurement of 2 nos. of Fermenter and other related equipments for biofertilizer production unit located at Majhitar, East Sikkim.			1	50.00
	Promotion and Distribution of Micronutrients	Procurement of Microlife and Mikon Ultra distributed to the farmers			All the districts	112.00
		District	Microlife	Mikon ultra		
		North	3422	3500		
		East	5000	6500		
		South	5000	6500		
		West	5000	6500		

## Details of UC

GFR 12 - C  
[[See Rule 239]]

### FORM OF UTILIZATION CERTIFICATE (FOR STATE GOVERNMENTS)

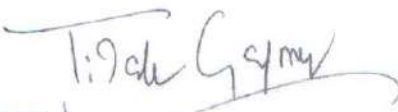
(Where expenditure incurred by Govt. bodies only)

Sl. No.	Letter No. and date	Amount(in lakhs)	Certified that out of Rs. 200.00 lakhs of grants sanctioned during the year 2020-21 in favor of Soil Health Card under National Mission for Sustainable Agriculture(NMSA) under the Ministry/Department Letter No. given in the margin, a sum of Rs 200.00 lakhs has been utilized for the purpose for which it was sanctioned and that has been utilized for the purpose for which it was sanctioned and that the balance of Rs. nil remaining unutilized at the end of the year.
1	No 2-1/2020 Fert.Use 14 <sup>th</sup> May 2020	200.00	
	Total	200.00	
2	State Share	21.87	

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/ are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

#### Kinds of checks exercised

1. Close monitoring during implementation of the scheme by District officers and officers from the Head Office.
2. Cashbook
3. Ledger

Signature.....  


Designation: Director, Agriculture

Date.....  
**Director Agriculture  
Government of Sikkim**

Signature.....  


Designation: Joint Director, INM

Date.....  
**Joint Director  
Agriculture Department  
Government of Sikkim**

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**INTREGRATED PEST MANAGEMENT**  
**(IPM)**

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**ANNUAL REPORT ON PROMOTIONAL ACTIVITIES OF IPM 2020-21 UNDER EARAS SCHEME**

Sl. No	Components	Target Physical Financial (Amt.inlakhs)		Achievements Physical Financial (Amt.in lakhs)		Remarks
1.	<b>Documentation of diseases and pest samples</b>					Bill under process
	• Tour to collect samples including POL, tea & refreshment for concerned farmers and other officials.	18 trips	0.90	18 trips	0.90	
	• Hiring of professional photographer	12 trips	2.40	12 trips	2.40	
	• Honorarium to the resource person (2 nos)	5 trips	0.10	5 trips	0.10	
	<b>Total</b>		<b>3.40</b>		<b>3.40</b>	Bill under process
2.	<b>Office expenses/ Stationeries/ Contingency</b>		0.30		0.25	Bill under process
	<b>Total</b>		<b>3.70</b>		<b>3.65</b>	

**Report on the "Management of Fall Army Worm and other pests and diseases in maize crop" for the financial year 2020-21 under RKVY scheme**

Sl. No	Components	Target Physical Financial (Amt.inlakhs)		Achievements Physical Financial (Amt.in lakhs)		Remarks
1.	Procurement of Bio/Botanical pesticides, fungicides and others inputs.		24.76	i. 24.76		Bill settled by FC section
2.	•Monitoring and scouting •Printing of Technical Bulletin •Assistance for production and release of bio-control agents •Maintenance of IPM Lab •Office expenses/contingency stationeries		5.24		<b>Unspent balance</b>	
	<b>Total</b>		<b>30.00</b>		<b>24.76</b>	<b>Unspent balance: 5.24</b>

**District wise allocation of bio pesticides, fungicides and other inputs for the year 2020-21.**

SI.No.	Particulars	Quantity received	District wise allocation				Balance
			E	W	S	N	
1	Rich help guard VII	300 ltr	80	85	85	30	20
2	<i>Spodoptera frugiperda</i> - Pheromone lure & trap	400 nos	120	120	120	30	10
3	Neem based pesticides	200 ltr	46	47	47	40	20
4	Copper oxy chloride	70 kg( 30 kg from Horticulture)	18	18	18	6	10
5	<i>Pseudomonas fluorescens</i>	100 kg	25	25	25	20	5
6	<i>Trichoderma viride</i>	100 kg	25	25	25	20	5
7	Roxy	100 kg	25	25	25	20	5
8	<i>Metarhiziumanisopliae</i>	100 kg	25	25	25	20	5
9	Neem cake	400 kg	150	100	140	-	10

**MULTIPLICATION OF BIO-AGENT IN THE LAB:**

Because of the unavailability of the mother culture due to the pandemic (Covid) that is going on, this year the bio-agent *Trichogramma sp.* could not be multiplied in the lab.

**Production of *Trichoderma sp.***

Bio control agent *Trichoderma sp.* mother culture were brought from ICAR and were multiplied in the lab.

Quantity = 16 kgs of talc-based *Trichoderma sp.* was prepared.

**District wise allocation of bio-fungicides (*Trichoderma sp*) produced at IPM lab during the year 2020-21**

SI. No	Particulars	Total quantity produced(in kg)	District wise allocation (in kg)				Balance (in kg)
			East	West	South	North	
1	<i>Trichoderma sp</i>	16	4	3.5	3.5	3	2



House Hold Method



Laboratory Method



Process during the Production of Trichoderma



Ready to use Trichoderma Powder



*Trichoderma sp* culture



Trichoderma in talc form (Ready to Use)

## REPORT ON FALL ARMY WORM (2020-21)

This year also the Fall Army Worm has invaded many new areas of South, West and East Sikkim. Further, other pests like oriental army worm, maize semi looper, stem borer, corn ear worm and some other pests have also been traced in the field.

Total affected area under South Sikkim-**163.62** hac.

Total affected area under West Sikkim- **141.944** hac.

Total affected area under East Sikkim- **109.4267** hac.

Total area infested-414.9907 hac.

**Steps taken by the Agriculture Department to control the spread of the invasive pest are:**

- **MONITORING**-Installation of Pheromone traps @ 5/acre in the infested field
- **SCOUTING**- Scouting was carried out in W fashion in the maize field.
- **CULTURAL PRACTICES**-Cleaning of the weeds
- **MECHANICAL PRACTICES**- Hand picking and killing of eggs and larva.  
Application of dry soil inside the maize whorl.
- **BOTANICAL PRACTICES**- Application of Neem based pesticides and Rich Help Guard VII.
- **BIOLOGICAL PRACTICES**- Application of *Metarhiziumanisopliae* / *Beauveria bassiana*.

**DETAILS OF FALL ARMY WORM IN MAIZE CROP IN SIKKIM DURING THE  
YEAR 2020-2021**

**SOUTH DISTRICT**

Sl. No	GPU	Altitude in Meter	Location/village	Maize Varieties	Area under maize crop (Ha)	Stage of Crop	Extent of damage (approx) % caused by pest
1.	Namphing	980-1000m	Rekep	Local	8.60	Vegetative to Tasseling	20-35
2	Tarku	1100-1200	Lower Tarku	Local	0.40	Vegetative to Tasseling	18-50
3.	Sumbuk - Kartikey	700-739m	Dwarey	Local	3.07	Vegetative to Tasseling	25-30
		690-700m	Shyamdas	Local	1.10	Vegetative to Tasseling	25-30
4.	Mellidara - Paiyong	630-662m	Mellidara	Local	3.00	Vegetative to Tasseling	20-25
		590-602m	Kerabari	JKMH1701	5.10	Vegetative to Tasseling	20-25
		530-550m	Lower Paiyong	Local	2.50	Vegetative to Tasseling	30-40
			MelliGumpa	Local	1.35	Vegetative to Tasseling	25-35
			Upper Paiyong	Local	1.40	Vegetative	20-28
5.	Sadam-Suntaley	550-580m	Lower Suntaley,	Local	2.60	Vegetative to Tasseling	35-45
			Upper Suntaley	Hybrid	3.00	Vegetative to Tasseling	40-50
			Lower Sukrabarey	Local	1.60	Vegetative to Tasseling	40-50
6.	Turuk-Ramabong		Panchgharaey	Local	0.40	Vegetative to Tasseling	70-80
			Upper Ramabong	Local	0.60	Vegetative	20-30
			Lower Ramabong	Hybrid	1.20	Vegetative to Tasseling	35-50
			Daragoan	Local	1.50	Vegetative	40-50
7.	Rateypani	590-601m	Lower Passi	CP333	1.30	Vegetative to Tasseling	40-50
		610-622m	Upper Passi	CP333	1.70	Vegetative	30-35
		620-630m	Lower Rateypani	Local	3.00	Vegetative to Tasseling	15-20
			Upper Rateypani	Local	0.40	Vegetative to Tasseling	20-25
8.	Turung-Mamring	450-520m	SuminKhor	Local & CP333	2.80	Vegetative to Tasseling	40-45
		320-332m	Donak	CP333	2.60	Vegetative to Tasseling	25-30
		680-710m	Kritipur	Local	0.30	Vegetative	20-26
9.	Tangzi-Bikmat		Bikmat	Local	2.90	Vegetative to Tasseling	30-50
10.	Nagi-Karek		Ruchung	CP-333	0.70	Vegetative	35-55
11.	Kateng-Pampho		Lower Kateng	Local & JKMH-1701	6.50	Vegetative to Tasseling	10-25

	k		Lower Pamphok	CP-333	1.10	Vegetative to Tasseling	20-45
			Upper Pamphok	CP-333	1.10	Vegetative to Tasseling	25-40
			Upper Bokrang	Local	2.60	Vegetative to Tasseling	20-40
			Upper Kateng	Local	0.50	Vegetative	15-30
			Lower Bokrang	CP-333	1.10	Vegetative to Tasseling	30-50
12.	Tingrithang-Padong	500-533m	Pakjer	Local	0.60	Vegetative	20-25
		770-1036m	Pabong	Local	0.90	Vegetative to Tasseling	25-30
		1400-1472	Upper Tingrithang	Local	1.20	Vegetative to Tasseling	18-35
		865-949m	Kholaghari	Local	1.20	Vegetative to Tasseling	20-25
13.	Mamley - Kamrang	760-801m	Upper Kamrang	Local	1.90	Vegetative to Tasseling	40-50
		917-940m	Middle Kamrang	Local	1.20	Vegetative to Tasseling	42-48
		632-1047m	Lower Mamley	Local	2.60	Vegetative to Tasseling	20-30
14.	Kitam-Manpur	850-880m	Lower Kitam	Local	2.60	Vegetative to Tasseling	40-50
			Manpur	Local	1.50	Vegetative	25-35
			Belbotay	Local & Hybrid	1.80	Vegetative to Tasseling	20-40
			Upper Kitam	Local	0.80	Vegetative to Tasseling	25-35
			Middle Kitam	Local & Hybrid	1.20	Vegetative to Tasseling	20-45
15.	Boomtar Salleybong	1089-1263m	Boomtar	CP-333 & Local	1.00	Vegetative to Tasseling	40-55
		900-1400m	Upper Salleybong	Local	0.70	Vegetative to Tasseling	35-50
		800-890m	Lower Salleybong	Local	0.10	Vegetative to Tasseling	25-40
		850-1350m	Tinzer	Local	0.90	Vegetative to Tasseling	35-54
16.	Mickhola-Singithang	1246-1355m	Upper Mickhola	Local	2.20	Vegetative to Tasseling	40-65
		1058-1266m	Lower Mickhola	Local	1.00	Vegetative to Tasseling	30-70
		1246-1258m	Lower Kopchey	Local	0.50	Vegetative to Tasseling	30-60
		1348m	Upper Kopchey	Local	0.30	Vegetative to Tasseling	35-40
			Singithang	Local	2.10	Vegetative to Tasseling	40-55
17.	Assangthang		Upper Assangthang	Local	1.00	Vegetative to Tasseling	30-35
			Lower Assangthang	Local	2.00	Vegetative to Tasseling	30-40
			Alley	Local	0.60	Vegetative to Tasseling	20-30

			Ranigoan	Local	1.40	Vegetative to Tasseling	10-20
18.	Ralong-Namlung		Lower Namlung	Local	1.60	vegetative to Tasseling	10-25
19.	PoklokDenchung	390-404m	Harrabotey	Local	4.70	Vegetative to Tasseling	25-30
			Dong	Local	0.90	Vegetative to Tasseling	40-50
			Nandugoan	Local	1.60	Vegetative to Tasseling	25-35
			Samsebong	Local	1.60	Vegetative to Tasseling	10-30
			Barbotey	Local	1.90	Vegetative to Tasseling	20-35
			Samatar	Local & 66K99	4.70	Vegetative to Tasseling	10-20
20.	Sripatam-Gagyong	1150-1180m	Upper Gagyong	Local	0.50	Vegetative to Tasseling	5-15
		680-720m	Menglee	JKMH-1701	0.50	Vegetative to Tasseling	15-32
		200-300m	Namphok	Local	4.40	Vegetative to Tasseling	10-40
			Upper Sripatam	JKMH-1701	4.20	Vegetative to Tasseling	10-32
		200-280m	Lower Sripatam	Local & 33M66	6.30	Vegetative to Tasseling	20-50
21.	Niya-Mangzi ng	900-930m	Lower Niya	Local	1.90	Vegetative to Tasseling	35-45
22.	Yangan-g-Rangan g		Satam	Local	1.00	Vegetative to Tasseling	50-60
			Samruk	JKMH-1701	0.90	Vegetative to Tasseling	32-50
23.	Wok-Omchu	520-530m	Lower Chumlok	Local	0.80	Vegetative to Tasseling	35-40
		810-840m	Upper Chumlok	Local	0.60	Vegetative to Tasseling	28-35
		501-528m	Lower Omchu	Local	3.70	Vegetative to Tasseling	30-40
		550-580m	Upper Omchu	Local	0.40	Vegetative to Tasseling	18-25
		600-650m	Upper Wok	Local	0.20	Vegetative to Tasseling	35-40
		660-720m	Lower Wok	Local	0.20	Vegetative to Tasseling	38-45
24.	Lamaten - Tingmoo	756-902m	Lamaten	Local	2.00	Vegetative to Tasseling	38-41
		700-800m	Hingdam	Local	5.30	Vegetative to Tasseling	40-50
		900-1300m	Upper Tingmoo	Local	0.70	Vegetative to Tasseling	35-40
		900-1000m	Lower Tingmoo	Local & 33M66	4.20	Vegetative to Tasseling	48-56
25.	Sangana th	750-850m	Subuk	Local & JKMH-1701	2.20	Vegetative to Tasseling	50-60

		800-900m	Nalick	Local	3.40	Vegetative to Tasseling	65-70
		900-1000m	Makthang	Local	1.70	Vegetative to Tasseling	50-60
		900-1000m	Chekim	Local	3.10	Vegetative to Tasseling	50-55
		1000-1300m	Rockland	CP-333	1.30	Vegetative to Tasseling	60-70
<b>TOTAL SOUTH DISTRICT</b>					<b>163.62</b>		
<b>Soreng Sub - Division</b>							
1.	Mangal Baria Block	3465 Ft	Chikhim	Local Sethi	0.73	Vegetative to Tasseling	7
		2910 Ft	Kewrani	Local Sethi	1.56	Vegetative to Tasseling	15
		3405 Ft	Sirbong	Local Sethi	3.27	Vegetative to Tasseling	12
		2625 Ft	Suntalay	Local Sethi	0.76	Vegetative to Tasseling	8
		3200 Ft	Parengoan	Local cv	5.00	Vegetative to Tasseling	42
		2750 Ft	Takuthang	Local + 33M66	13.5	Vegetative to Tasseling	50
		2500 Ft	Mabong	Local + 33M66	12.6	Vegetative to Tasseling	62
		2600 Ft	Suldung	Local + 33M66	12.3	Vegetative to Tasseling	40
		<b>Total Area</b>				<b>49.72</b>	
2.	Soreng Block	3000 Ft	Tharpu (Ratomatey)	JKMH-1701	0.05	Vegetative to Tasseling	10
		3100 Ft	Tharpu( Tharpu School dara)	Local Sethi	0.10	Vegetative to Tasseling	20
		3000 Ft	Tharpu( Gairigau)	Local Paheli	0.05	Vegetative to Tasseling	5
		3000 Ft	Tharpu( Kolbotey)	Local Paheli	5.30	Vegetative to Tasseling	25
		3100 Ft	Tharpu( RaiGau)	Local Paheli	0.05	Vegetative to Tasseling	5
		4000 Ft	Timburbong( ArboteyTarbari)	Local Paheli	0.25	Vegetative to Tasseling	20
		3100 Ft	Timburbong (Ridang)	JKMH-1701	0.05	Vegetative to Tasseling	5
		3500 Ft	Timburbong (Chisopani)	Local Paheli,JKMH -1701	0.10	Vegetative to Tasseling	20
		3700 Ft	LungthungNesorgaon	JKMH-1701	Nil	Vegetative to Tasseling	2
		3285 Ft	SuntalayBaganbari	Local,JKMH-1701	Nil	Vegetative to Tasseling	15
		2769 Ft	MagarjungDokandara	Local	Nil	Vegetative to Tasseling	12
		2100 Ft	KatareyKharpaney	Local	Nil	Vegetative to Tasseling	10
		2434 Ft	Mangsari	Local,JKMH-1701	Nil	Vegetative to Tasseling	8
	3900 Ft	Budang	Local,JKMH-1701	0.6	Vegetative to Tasseling	15	

		3900Ft	Malbasey	JKMH-1701+Local	Nil	Vegetative to Tasseling	10
		<b>Total Area</b>			<b>6.55</b>		
3.	Kaluk Block	3500 Ft	Sangadorjee	Local + 33M66	2.7	Vegetative	14
		3400 Ft	Deythang	NAC6004 + Local cv	7	Vegetative to Tasseling	40
		<b>Total Area</b>			<b>9.7</b>		
4.	Daramd in BAC	3500 Ft	Chupigoan ward no 03 Upper Thambong	Pusavivek	0.2	Vegetative to Tasseling	1
		3707 Ft	Upper Lungchok Ward no. 1	NAC 6004	0.5	Vegetative to Tasseling	3
		3500 Ft	Lower Lungchokdaragoan	NAC 6004	0.3	Vegetative to Tasseling	3
		3600 Ft	Lower Slangdang	NAC 6004	0.2	Vegetative	5
		3600 Ft	Middle LungchokNalboogoan	NAC 6004	0.9	Vegetative to Tasseling	5
		3200 Ft	Daramdin	Local Sethi/ NAC 6004	3.1	Vegetativeto Tasseling	60
		3400 Ft	Ambotey Lower Fambong	Local Sethi/ NAC 6004	2.5	Vegetative to Tasseling	30
		3280 Ft	Middle Daramdin	Local Sethi/ NAC 6004	2.5	Vegetative	40
		3280 Ft	Lower Daramdin	Local Sethi/ NAC 6004	7.5	Vegetative to Tasseling	55
		<b>Total Area</b>			<b>17.7</b>		
5.	BAC chumbo ng	3000 Ft	BhasmeysimkunaChakung	Local Sethi / JKMH1701	3.5	Vegetative to Tasseling	40
		3200 Ft	Sadhugoan Ward no. 5 Chakung	Local Sethi / JKMH1701	10	Vegetative to Tasseling	60
		4000 Ft	Gumpa Lepcha goanChakung	Local Sethi / JKMH- 1701	2.5	Vegetative to Tasseling	30
		4000 Ft	Durpinayrumbuk Ward no. 1 Chakung	Local Sethi / JKMH- 1701	3.7	Vegetative to Tasseling	20
			Middle Chakung	Local Sethi / JKMH- 1701	0.4	Vegetative to Tasseling	10
		4000 Ft	Nakmandir alley Ward no. 4 Chakung	Local Sethi / JKMH- 1701	2.5	Vegetative to Tasseling	30
		4000 Ft	AshyangSasboteyChumbong	Vivek Hybrid 25 / Local Sethi	1.5	Vegetative to Tasseling	30
		4000 Ft	SingrepChumbong	Maharaja ( Bio 9637) / Local	6	Vegetative to Tasseling	50
		4000 Ft	Talley goanChumbong	Local Sethi / Vivek Hybrid 25	2	Vegetative to Tasseling	30
		4000 Ft	BudangChumbong	Local Sethi / Vivek Hybrid 25	6	Vegetative to Tasseling	40

		3200 Ft	SipsumaltheKChumbo ng	Local Sethi / Vivek Hybrid 25	1	Vegetative to Tasseling	20
		2500 Ft	AruboteyChotaSamdo ng	Local Sethi	1	Vegetative to Tasseling	10
		3000 Ft	Lower ChotaSamdong	Local Sethi	0.5	Vegetative to Tasseling	5
		2900 Ft	Upper Gelling	Local Sethi / JKMH- 1701	6.4	Vegetative to Tasseling	40
		2800 Ft	Middle Gelling	Local Sethi / JKMH- 1701	4	Vegetative to Tasseling	45
		2200 Ft	Bara Samsing	Local Sethi / Vivek	1.21	Vegetative to Tasseling	50
		1200 Ft	Rabong	Local Sethi / Vivek	3.56	Vegetative to Tasseling	40
		1110 Ft	Baiguney	Local Sethi / Vivek	0.35	Vegetative to Tasseling	15
		2600 Ft	Samsing	Local Sethi / Vivek	2.42	Vegetative to Tasseling	20
		2500 Ft	Swaligoan	Local Sethi / Vivek	1.4	Vegetative to Tasseling	20
		2216 Ft	Subitar	Local Sethi / Vivek	3.05	Vegetative to Tasseling	25
		1177 Ft	Bhasmey	Local Sethi / Vivek	0.62	Vegetative to Tasseling	20
		1112 Ft	Papalay	Local Sethi / Vivek	1	Vegetative to Tasseling	25
		<b>Total Area</b>			<b>58.274</b>		
		<b>WEST DISTRICT TOTAL</b>			<b>141.944</b>		
1.	Martam - Block	2600m	NamliTumlabong	JKMH 1701+ Local	7.6	Vegetative to Tasseling	18 - 20
		3146m	SamlikMarchak	QPM-9	2.42	Vegetative to Tasseling	20 - 25
		5785m	MartamNazitam	33M66 + JKMH 1701	0.6	Vegetative to Tasseling	19 - 20
		2800m	BeyongPheyong	Local + 33M66	5.4	Vegetative to Tasseling	20 - 26
		<b>Total Area</b>			<b>17.52</b>		
2.	RakdongTintek - Block	4500m	SamdongKamble	Local +CP- 333	1.3	Vegetative to Tasseling	29
		-	RakdongTintek	Local + Vivek HY-25	1.45	Vegetative to Tasseling	27 - 30
		-	PatukSingbel	33M66	4.7	Vegetative	30
		1040m	Tumin	JKMH-1701+ Local	2.3	Vegetative to Tasseling	25 - 26
		<b>Total Area</b>			<b>9.75</b>		
3.	Namdo k -Block	-	Assam Lingzey	QPM- 9+Local	1.6	Vegetative to Tasseling	30
		-	TadongSamdur	NAC-6004	1.25	Vegetative to Tasseling	30
		-	Nandok	66k99+Local	3.5	Vegetative to Tasseling	25 - 30
		<b>Total Area</b>			<b>6.35</b>		

4.	Ranka - Block	4000m	RawteyRumtek	QPM-9	2.9	Vegetative to Tasseling	29 - 30
		-	Ray Mindu	QPM-9+Local	2.9	Vegetative to Tasseling	20
		-	LuingPerbing	HY-25+Local	3.43	Vegetative to Tasseling	15 - 20
		-	Ranka	Local+NAC-6004+QPM-9+JKMH-1701	5.2	Vegetative to Tasseling	20
		<b>Total Area</b>			<b>14.43</b>		
5.	Duga Block	1448m	Central Pendam	NAC-6004+66k99+Local+JKMH-1701	6.14	Vegetative to Tasseling	22 - 25
		764m	Middle & lower Sumin	QPM 9 + Local	1.1	Vegetative to Tasseling	20 - 30
		460 -764m	Upper & Lower Lingzey	QPM 9 + Local	2.1	Vegetative to Tasseling	20 - 35
		749 -2553m	Sajong, Kamarey&Budang	JKMH 1701 + Local	7.85	Vegetative to Tasseling	20 - 35
		710 - 1255m	Singleybong, Sakhu, Syaplay, Ralung	JKMH 1701 + Local	8.95	Vegetative to Tasseling	20 - 35
		<b>Total Area</b>			<b>26.14</b>		
6.	Pakyong - Block	1104m	Namcheybong	33M66+JKMH1701+L0cal+CP333	4.977	Vegetative to Tasseling	25 - 30
		1100m	Chalamthang	Local+CP-333+33M66	0.33	Vegetative to Tasseling	30
		1400m	Pacheykhani	Local+CP-333	1.2	Vegetative	15 - 20
		1500m	Taza+AmbaMamring	JKMH-1701+Local	1.9	Vegetative to Tasseling	25 - 30
		1300m	PacheySamsing+Yakten	JKMH-1701+Local+NAC-6004+CP-333+33M66	7.3917	Vegetative to Tasseling	10 - 15
		1400m	AhoYangtam+Tareythang	JKMH-1701+Local+NAC-6004+CP-333+33M66	2.1	Vegetative to Tasseling	15
		<b>Total Area</b>			<b>17.8987</b>		
7.	Regu Block	-	Kuttitak +Dapalchand	NAC 6004	17.338	Vegetative to Tasseling	10 - 36
		<b>Total Area</b>			<b>17.338</b>		
<b>EAST DISTRICT TOTAL AREA</b>				<b>109.4267</b>			
<b>TOTAL OF SOUTH + WEST+ EAST DISTRICT</b>				<b>163.62+141.944+109.4267 =</b>	<b>414.9907</b>		



**FAW inspection at Rekep South Sikkim on 7.4.2020**



**FAW at Radong East Sikkim on 20.4.2020.**



**FAW at Namcheybong East Sikkim on 10.4.2020.**



**At Zitlang East Sikkim on 30.4.2020**



**Suspected corn earworm at Central Pendam on 30.4.2020**

**Other pests found in Maize**



**Stem borer at Samdong East Sikkim on 2.5.2020**



**Oriental Armyworm at Singbhel EastSikkim on**



**White grub in ginger crop -  
Zitlang East Sikkim on 5.05.2020.**

## Diseases found in Maize



**Rust**



**Bacterial stalk rot**



**Turicum leaf blight**

**At Samdong East Sikkim on 2.5.2020.**



**Before treatment**



**After treatment**



### Spraying on Maize crop in different districts of the State

IPM team along with officers from east district and ICAR Tadong Government of India on request from farmer visited few paddy field in east district. During the visit, it was observed that the paddy field has chaffy grains due to the disease called rice blast (neck and node) in Abhishek variety.

The details are as follows

SI. No	Date of visit	Name of the farmer	Location	Altitude	Crop	Variety	Area in hac	Disease	% of infection
1.	8.10.20	Shri Bhim Prasad Sharma	Tadong Samdur	2700 ft	Paddy	Abhishek	0.7	Neck and node blast	82-85
2.	8.10.20	Shri Nar Bahadur Chettri	Tadong Samdur	2700 ft	Paddy	Abhishek	0.1	-do-	80-85
3.	8.10.20	Shri Reyat Basnett	Tadong Samdur	2700 ft	Paddy	Abhishek	0.6	-do-	82-85
4.	8.10.20	Shri Ambika Chettri	Tadong Samdur	2700 ft	Paddy	Abhishek	0.1	-do-	75-85
5.	8.10.20	Shri Kamal Dahal	RewteyRumtek	3200ft	Paddy	Abhishek	0.8	-do-	82-85
6.	15.10.20	Shri GhanShyam Bhattarai	Lower Samdong	4000 ft	Paddy	Abhishek	0.2	-do-	55-70

**Possible reason of outbreak:** Heavy rainfall, congenial climate.

**Recommendation:**

- i. It was suggested by the scientists ICAR to discontinue this variety for 3 – 5 years.



**Node blast in Paddy**



**Neck blast in Paddy**

**Constraints and Requirements:**

- i. Requirement of Technical Expert in the field of Pathology, Entomology and in handling the instruments.
- ii. There is very little provision under the State plan Sub Head under Plant Protection, which is insufficient to meet up the expenditure for old pending electricity bills, maintenance of the vehicle etc.

**Pradhan Mantri Kisan Samman Nidhi  
(PM-KISAN)**

## **PM- KISAN Scheme**

- a) Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) is a Central Sector scheme with 100% funding from Government of India.
- b) The Scheme is effective from 1.12.2018.
- c) Under the Scheme an income support of Rs.6000/- per year is provided to all farmer families across the country in three equal installments of Rs.2000/- each every four months.
- d) Definition of family for the Scheme is husband, wife and minor children.
- e) The entire responsibility of identification of beneficiary farmer families rests with the State / UT Governments.
- f) The fund is directly transferred to the bank accounts of the beneficiaries.
- g) Farmers covered under the Exclusion Criteria of the Operational Guidelines are not eligible for the benefit of the Scheme.
- h) For enrollment, the farmer is required to approach the local patwari / revenue officer / Nodal Officer (PM-Kisan) nominated by the State Government.
- i) The Common Service Centres (CSCs) have also been authorized to do registration of the farmers for the Scheme upon payment of fees.
- j) Farmers can also do their self-registration through the Farmers Corner in the portal.
- k) Farmers can also edit their names in PM-Kisan database as per their Aadhaar database / card through the Farmers Corner in the portal.
- l) Farmers can also know the status of their payment through the Farmers Corner in the portal.

### **Exclusion Categories**

1. The following categories of beneficiaries of higher economic status shall not be eligible for benefit under the scheme.
2. (a) All Institutional Land holders.
3. (b) Farmer families in which one or more of its members belong to following categories
4. i) Former and present holders of constitutional posts
5. ii) Former and present Ministers/ State Ministers and former/present Members of Lok Sabha/ Rajya Sabha/ State Legislative Assemblies/ State Legislative Councils, former

and present Mayors of Municipal Corporations, former and present Chairpersons of District Panchayats.

6. **iii)** All serving or retired officers and employees of Central/ State Government Ministries /Offices/Departments and its field units Central or State PSEs and Attached offices / Autonomous Institutions under Government as well as regular employees of the Local Bodies  
(Excluding Multi Tasking Staff/Class IV/Group D employees)
7. **vi)** All superannuated/retired pensioners whose monthly pension is Rs.10,000/-or more  
(Excluding Multi Tasking Staff/Class IV/Group D employees) of above category
8. **v)** All Persons who paid Income Tax in last assessment year
9. **vi)** Professionals like Doctors, Engineers, Lawyers, Chartered Accountants, and Architects registered with Professional bodies and carrying out profession by undertaking practices.

#### PM-Kisan Samman Nidhi Yojana

Sl. No.	Installment	No. of Beneficiaries	Fund Released to Farmer
1.	First	6192	Rs. 1,23,84,000
2.	Second	5610	Rs. 1,12,20,000
3.	Third	5607	Rs. 1,12,14,000
4.	Fourth	5603	Rs. 1,12,06,000
5.	Fifth	5387	Rs. 1,07,74,000
6.	Sixth	1922	Rs. 38,44,000
<b>Total Fund Released to Farmer</b>			<b>Rs. 6,06,42,000</b>

#### CODES SIKKIM-11

District	Code	Sub-District	Code
East	225	Gangtok	1553
East	225	Pakyong	1554
East	225	Rangpo	6396
East	225	Rongli	1555

District	Code	Sub-District	Code
South	227	Jorthang	6399
South	227	Namchi	1551
South	227	Rabong	1552
South	227	Yangang	6400

District	Code	Sub-District	Code
North	226	Chungthang	1547
North	226	Dzongu	6402
North	226	Kabi	6401
North	226	Mangan	1548

District	Code	Sub-District	Code
West	228	Dentam	6398
West	228	Gyalshing	1549
West	228	Soreng	1550
West	228	Yuksom	6397

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**WEATHER REPORT 2020-21**

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**STATION TADONG**

**RAINFALL 2020-2021**

SL. NO	MONTH	RAINFALL (MM)
1.	January (2020-21)	40.3
2.	February (2020-21)	22.4
3.	March (2020-21)	160
4.	April (2020-21)	197.4
5.	May (2020-21)	252.2
6.	June (2020-21)	444.3
7.	July (2020-21)	814.4
8.	August (2020-21)	415.6
9.	September (2020-21)	554
10	October (2020-21)	60.8
11	November (2020-21)	0.2
12	December (2020-21)	22
	<b>TOTAL</b>	<b>2983.6</b>
13	January (2021-22)	22.8
14	February (2021-22)	36.1
15	March(2021-22)	124.6
16	April(2021-22)	172.1
	<b>TOTAL</b>	<b>355.6</b>

**DEPARTURE FROM NORMAL RAINFALL (MM) FOR TADONG, 2020-2021**

MONTH	ACTUAL	NORMAL	DEPARTURE FROM NORMAL	SITUATION
January(2020-21)	40.3	21	91.9	Excess
February (2020-21)	22.4	57.08	-60.8	Scanty
March (2020-21)	160	106.09	50.8	Excess
April (2020-21)	197.4	279.9	-29.5	Deficient
May (2020-21) )	252.2	436	-42.2	Deficient
June (2020-21)	444.3	525.9	-15.5	Normal
July (2020-21)	814.4	539.9	50.8	Excess
August (2020-21)	415.6	489.4	-15.1	Normal
September (2020-21)	554	408.5	35.6	Excess
October (2020-21)	60.8	152.7	-60.2	Scanty
November (2020-21)	0.2	29.2	-99.3	Scanty
December (2020-21)	22	17.7	24.3	Excess
January (2021-22)	22.8	21	8.6	Normal
February (2021-22)	36.1	57.08	-36.8	Deficient
March(2021-22)	124.6	106.09	17.4	Normal
April(2021-22)	172.1	279.9	-38.5	Deficient

**TEMPERATURE (°C) TADONG**

SL. NO	MONTH	2020-2021	
		MAXIMUM	MINIMUM
1.	January (2020-21)	15.5	6.7
2.	February (2020-21)	18.1	9.1
3.	March (2020-21)	21.4	12
4.	April (2020-21)	23.3	14.1
5.	May (2020-21)	25	17.1
6.	June (2020-21)	26.1	20.5
7.	July (2020-21)	25.7	20.9
8.	August (2020-21)	27.5	21.1
9.	September (2020-21)	25.4	20.2
10.	October (2020-21)	27.2	17.9
11.	November (2020-21)	21.9	11.1
12.	December (2020-21)	17.1	9.6
	<b>Average</b>	<b>22.85</b>	<b>15.025</b>
13.	January (2021-22)	16.6	8.9
14.	February (2021-22)	19.6	9.8
15.	March (2021-22)	22.3	12.5
16.	April (2021-22)	26.4	14.1
17.	<b>Average</b>	<b>21.225</b>	<b>11.325</b>

**DEPARTURE FROM NORMAL TEMPERATURE (°C) TADONG, 2020-2021**

MONTH	MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
	ACTUAL	NORMAL	DEP. FROM	ACTUAL	NORMAL	DEP. FROM
January (2020-21)	15.5	16.5	-6.1	6.7	6.8	-1.5
February (2020-21)	18.1	18.3	-1.1	9.1	8.3	9.6
March (2020-21)	21.4	22.1	-3.2	12	11.3	6.2
April (2020-21)	23.3	24.9	-6.4	14.1	13.9	1.4
May (2020-21)	25	26.2	-4.6	17.1	16.3	4.9
June (2020-21))	26.1	26.8	-2.6	20.5	18.8	9.0
July (2020-21)	25.7	26.5	-3.0	20.9	19.6	6.6
August (2020-21)	27.5	27	1.9	21.1	19.4	8.8
September (2020-21)	25.4	26.1	-2.7	20.2	18.3	10.4
October (2020-21)	27.2	24.8	9.7	17.9	14.9	20.1
November (2020-21)	21.9	21.6	1.4	11.1	10.9	1.8
December (2020-21)	17.1	18.2	-6.0	9.6	8.1	18.5
January (2021-22)	16.6	16.5	0.6	8.9	6.8	30.9
February (2021-22)	19.6	18.3	7.1	9.8	8.3	18.1
March (2021-22)	22.3	22.1	0.9	12.5	11.3	10.6
April (2021-22)	26.4	24.9	6.0	14.1	13.9	1.4

**STATION: GANGTOK****RAINFALL 2020-2021**

Sl.No.	MONTH	RAINFALL (MM)
1.	January (2020-21)	57.4
2.	February (2020-21)	50.9
3.	March (2020-21)	180.2
4.	April (2020-21)	237.3
5.	May (2020-21)	338.5
6.	June (2020-21))	594
7.	July (2020-21)	938.7
8.	August (2020-21)	475.7
9.	September (2020-21)	620.8
10.	October (2020-21)	76.5
11.	November (2020-21)	0.2
12.	December (2020-21)	42.8
	<b>TOTAL</b>	<b>3613</b>
13.	January (2021-22)	31.2
14.	February (2021-22)	47.6
15.	March (2021-22)	179.1
16.	April (2021-22)	255.2
	<b>TOTAL</b>	<b>513.1</b>

**DEPARTURE FROM NORMAL RAINFALL FOR GANGTOK, 2020-2021.**

MONTH	ACTUAL	NORMAL	DEPARTURE FROM NORMAL	SITUATION
January (2020-21)	57.4	26.8	114.18	Excess
February (2020-21)	50.9	66.5	-23.46	Deficient
March (2020-21)	180.2	121.5	48.31	Excess
April (2020-21)	237.3	310.1	-23.48	Deficient
May (2020-21)	338.5	499.5	-32.23	Deficient
June (2020-21))	594	616.4	-3.63	Normal
July (2020-21)	938.7	654.2	43.49	Excess
August (2020-21)	475.7	583	-18.40	Normal
September (2020-21)	620.8	473.3	31.16	Excess
October (2020-21)	76.5	169.7	-54.92	Deficient
November (2020-21)	0.2	37	-99.46	Scanty
December (2020-21)	42.8	22.08	93.84	Excess
January (2021-22)	31.2	26.8	16.42	Normal
February (2021-22)	47.6	66.5	-28.42	Deficient
March (2021-22)	179.1	121.5	47.41	Excess
April (2021-22)	255.2	310.1	-17.70	Normal

**TEMPERATURE (°C) GANGTOK**

SL. NO	MONTH	2020-2021	
		MAXIMUM	MINIMUM
1.	January (2020-21)	11.4	05.0.
2.	February (2020-21)	13.4	6.7
3.	March (2020-21)	16.2	9.3
4.	April (2020-21)	18.5	12
5.	May (2020-21)	20.1	14.6
6.	June (2020-21))	21.5	17.5
7.	July (2020-21)	21.4	18.1
8.	August (2020-21)	22.4	18.3
9.	September (2020-21)	20.8	17.5
10.	October (2020-21)	22.1	15.6
11.	November (2020-21)	18	10.5
12.	December (2020-21)	13.5	7.3
13.	<b>Average</b>	<b>18.28</b>	<b>12.28</b>
14.	January (2021-22)	12.9	6.6
15.	February (2021-22)	15	8
16.	March (2021-22)	17.4	10.5
17.	April (2021-22)	21.3	12.5
18.	<b>Average</b>	<b>16.65</b>	<b>9.4</b>

**DEPARTURE FROM NORMAL TEMPERATURE (°C) GANGTOK, 2020-2021.**

MONTH	MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
	ACTUAL	NORMAL	DEP. FROM	ACTUAL	NORMAL	DEP. FROM
January (2020-21)	11.4	12	-5.00	5	4.6	8.70
February (2020-21)	13.4	13.7	-2.19	6.7	5.8	15.52
March (2020-21)	16.2	17.6	-7.95	9.3	9.1	2.20
April (2020-21)	18.5	20.5	-9.76	12	11.7	2.56
May (2020-21)	20.1	21.4	-6.07	14.6	13.9	5.04
June (2020-21))	21.5	22	-2.27	17.5	16.3	7.36
July (2020-21)	21.4	21.6	-0.93	18.1	16.9	7.10
August (2020-21)	22.4	22	1.82	18.3	16.8	8.93
September (2020-21)	20.8	21.1	-1.42	17.5	15.8	10.76
October (2020-21)	22.1	20.3	8.87	15.6	12.7	22.83
November (2020-21)	18	17.1	5.26	10.5	9.1	15.38
December (2020-21)	13.5	13.9	-2.88	7.3	6.2	17.74
January (2021-22)	12.9	12	7.50	6.6	4.6	43.48
February (2021-22)	15	13.7	9.49	8	5.8	37.93
March (2021-22)	17.4	17.6	-1.14	10.5	9.1	15.38
April (2021-22)	21.3	20.5	3.90	12.5	11.7	6.84

**STATION- MANGAN RAINFALL 2020-2021**

SL. NO	MONTH	RAINFALL(MM)
1.	January (2020-21)	90.6
2.	February (2020-21)	26
3.	March (2020-21)	175.7
4.	April (2020-21)	355.4
5.	May (2020-21)	384.9
6.	June (2020-21))	1249.7
7.	July (2020-21)	900.9
8.	August (2020-21)	473.3
9.	September (2020-21)	440.9
10	October (2020-21)	279.5
11	November (2020-21)	35.9
12	December (2020-21)	15.1
	<b>TOTAL</b>	<b>4427.9</b>
13	January (2021-22)	35.5
14	February (2021-22)	63.9
15	March (2021-22)	275.5
16	April (2021-22)	318.4
	<b>TOTAL</b>	<b>173.325</b>

**DEPARTURE FROM NORMAL RAINFALL (MM) FOR MANGAN, 2020-2021.**

MONTH	ACTUAL	NORMAL	DEPARTURE FROM NORMAL	SITUATION
January (2020-21)	90.6	75.1	20.64	Excess
February (2020-21)	26	97.7	-73.39	Scanty
March (2020-21)	175.7	165.5	6.16	Normal
April (2020-21)	355.4	301.2	17.99	Normal
May (2020-21)	384.9	423.9	-9.20	Normal
June (2020-21))	1249.7	500.1	149.89	Excess
July (2020-21)	900.9	673.1	33.84	Excess
August (2020-21)	473.3	459.9	2.91	Normal
September (2020-21)	440.9	361.4	22.00	Excess
October (2020-21)	279.5	125.9	122.00	Excess
November (2020-21)	35.9	105.9	-66.10	Scanty
December (2020-21)	15.1	28.5	-47.02	Deficient
January (2021-22)	35.5	75.1	-52.73	Deficient
February (2021-22)	63.9	97.7	-34.60	Deficient
March (2021-22)	275.5	165.5	66.47	Excess
April (2021-22)	318.4	301.2	5.71	Normal

**TEMPERATURE (°C) MANGAN**

	MONTH	2020-2120	
		MAXIMUM	MINIMUM
1	January (2020-21)	17.3	8
2	February (2020-21)	21.2	9.1
3	March (2020-21)	25.6	10
4	April (2020-21)	25.3	10.6
5	May (2020-21)	28.1	18.8
6	June (2020-21))	30.7	21.8
7	July (2020-21)	30.2	20.1
8	August (2020-21)	32	18.7
9	September (2020-21)	29.7	16.9
10	October (2020-21)	31.4	15.3
11	November (2020-21)	25.9	11.2
12	December (2020-21)	19.9	8.4
	<b>Average</b>	<b>26.44</b>	<b>14.08</b>
13	January (2021-22)	17.9	7.1
14	February (2021-22)	19.6	7.3
15	March (2021-22)	21.2	8.6
16	April (2021-22)	25.4	11.5
	<b>Average</b>	<b>21.025</b>	<b>8.625</b>

**DEPARTURE FROM NORMAL TEMPERATURE (°C) MANGAN,2020-2021.**

MONTH	MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
	ACTUAL	NORMAL	DEP. FROM	ACTUAL	NORMAL	DEP. FROM
January (2020-21)	17.3	19	-8.95	8	7.9	1.27
February (2020-21)	21.2	21.1	0.47	9.1	10.5	-13.33
March (2020-21)	25.6	23.5	8.94	10	14.5	-31.03
April (2020-21)	25.3	25.9	-2.32	10.6	15.5	-31.61
May (2020-21)	28.1	28.8	-2.43	18.8	19.2	-2.08
June (2020-21))	30.7	29.2	5.14	21.8	21.2	2.83
July (2020-21)	30.2	30.1	0.33	20.1	21	-4.29
August (2020-21)	32	31.3	2.24	18.7	21	-10.95
September (2020-21)	29.7	29.4	1.02	16.9	19.7	-14.21
October (2020-21)	31.4	26.7	17.60	15.3	17.5	-12.57
November (2020-21)	25.9	24.6	5.28	11.2	13.9	-19.42
December (2020-21)	19.9	20.6	-3.40	8.4	9	-6.67
January (2021-22)	17.9	19	-5.79	7.1	7.9	-10.13
February (2021-22)	19.6	21.1	-7.11	7.3	10.5	-30.48
March (2021-22)	21.2	23.5	-9.79	8.6	14.5	-40.69
April (2021-22)	25.4	25.9	-1.93	11.5	15.5	-25.81

**STATION- MAZITAR RAINFALL 2020-2021**

SL. NO	MONTH	RAINFALL (MM)
1.	January (2020-21)	54.5
2.	February (2020-21)	27
3.	March (2020-21)	87.8
4.	April (2020-21)	82.8
5.	May (2020-21)	31.8
6.	June (2020-21))	32.5
7.	July (2020-21)	31.4
8	August (2020-21)	34.3
9.	September (2020-21)	31
10.	October (2020-21)	33.6
11.	November (2020-21)	27.8
12.	December (2020-21)	23
	<b>TOTAL</b>	<b>497.50</b>
13.	January (2021-22)	23.2
14.	February (2021-22)	25.4
15.	March (2021-22)	29.3
16.	April (2021-22)	32.6
	<b>TOTAL</b>	<b>110.5</b>

**DEPARTURE FROM NORMAL RAINFALL (MM) FOR MAZITAR, 2020-2021**

MONTH	ACTUAL	NORMAL	DEPARTURE FROM NORMAL	SITUATION
January (2020-21)	54.5	8.3	556.63	Excess
February (2020-21)	27	43.3	-37.64	Deficient
March (2020-21)	87.8	40.7	115.72	Excess
April (2020-21)	82.8	115	-28.00	Deficient
May (2020-21)	31.8	193.7	-83.58	Scanty
June (2020-21))	32.5	327	-90.06	Scanty
July (2020-21)	31.4	407.8	-92.30	Scanty
August (2020-21)	34.3	337.2	-89.83	Scanty
September (2020-21)	31	271.5	-88.58	Scanty
October (2020-21)	33.6	66	-49.09	Deficient
November (2020-21)	27.8	6.9	302.90	Excess
December (2020-21)	23	6.6	248.48	Excess
January (2021-22)	23.2	8.3	179.52	Excess
February (2021-22)	25.4	43.3	-41.34	Deficient
March (2021-22)	29.3	40.7	-28.01	Deficient
April (2021-22)	32.6	115	-71.65	Scanty

**TEMPERATURE (°C) MAZITAR**

SL. NO	MONTH	2020-2120	
		MAXIMUM	MINIMUM
1.	January (2020-21)	21.8	10.2
2.	February (2020-21)	25.6	9.9
3.	March (2020-21)	28.7	10.8
4.	April (2020-21)	31.1	13.8
5.	May (2020-21)	31.8	16.8
6.	June (2020-21))	32.5	19
7.	July (2020-21)	31.4	19.2
8.	August (2020-21)	34.3	20.3
9.	September (2020-21)	31	18.8
10.	October (2020-21)	33.6	16.5
11.	November (2020-21)	27.8	9
12.	December (2020-21)	23	12.9
	<b>Average</b>	<b>29.38</b>	<b>14.77</b>
13.	January (2021-22)	23.2	11.7
14.	February (2021-22)	25.4	12.1
15.	March (2021-22)	29.3	17.3
16.	April (2021-22)	32.6	19.7
	<b>Average</b>	<b>27.625</b>	<b>15.2</b>

**DEPARTURE FROM NORMAL TEMPERATURE (°C) MAZITAR, 2020-2021.**

MONTH	MAXIMUM TEMPERATURE			MINIMUM TEMPERATURE		
	ACTUAL	NORMAL	DEP. FROM	ACTUAL	NORMAL	DEP. FROM
January (2020-21)	21.8	22.6	-3.54	10.2	9.5	7.37
February (2020-21)	25.6	25.8	-0.78	9.9	12.5	-20.80
March (2020-21)	28.7	29.6	-3.04	10.8	15.6	-30.77
April (2020-21)	31.1	31.7	-1.89	13.8	18.5	-25.41
May (2020-21)	31.8	32	-0.62	16.8	20	-16.00
June (2020-21))	32.5	32.6	-0.31	19	22	-13.64
July (2020-21)	31.4	32	-1.88	19.2	20.1	-4.48
August (2020-21)	34.3	32.6	5.21	20.3	22.5	-9.78
September (2020-21)	31	32.3	-4.02	18.8	21.9	-14.16
October (2020-21)	33.6	31.7	5.99	16.5	18.2	-9.34
November (2020-21)	27.8	27.9	-0.36	9	14.9	-39.60
December (2020-21)	23	25.1	-8.37	12.9	11.4	13.16
January (2021-22)	23.2	22.6	2.65	11.7	9.5	23.16
February (2021-22)	25.4	25.8	-1.55	12.1	12.5	-3.20
March (2021-22)	29.3	29.6	-1.01	17.3	15.6	10.90
April (2021-22)	32.6	31.7	2.84	19.7	18.5	6.49

**STATION- NAMTHANG RAINFALL 2020-2021**

SL. NO	MONTH	RAINFALL (MM)
1	January (2020-21)	6
2	February (2020-21)	17
3	March (2020-21)	70
4	April (2020-21)	80
5	May (2020-21)	121
6	June (2020-21))	487.5
7	July (2020-21)	445.3
8	August (2020-21)	762.9
9	September (2020-21)	880
10	October (2020-21)	10
11	November (2020-21)	0
12	December (2020-21)	5
	<b>TOTAL</b>	<b>2884.70</b>
13	January (2021-22)	0.5
14	February (2021-22)	2.1
15	March (2021-22)	18
16	April (2021-22)	34.5
	<b>TOTAL</b>	<b>55.1</b>

**DEPARTURE FROM NORMAL RAINFALL (MM) FOR NAMTHANG, 2020-2021**

MONTH	ACTUAL	NORMAL	DEPARTURE FROM NORMAL	SITUATION
January (2020-21)	6	7	-14.29	
February (2020-21)	17	27.1	-37.27	Deficient
March (2020-21)	70	38.9	79.95	Excess
April (2020-21)	80	160.2	-50.06	Deficient
May (2020-21)	121	171.5	-29.45	Deficient
June (2020-21))	487.5	237.9	104.92	Excess
July (2020-21)	445.3	376.2	18.37	Normal
August (2020-21)	762.9	334	128.41	Excess
September (2020-21)	880	389.1	126.16	Excess
October (2020-21)	10	32.7	-69.42	Scanty
November (2020-21)	0	1.7	-100.00	Scanty
December (2020-21)	5	2.9	72.41	Excess
January (2021-22)	0.5	7	-92.86	Scanty
February (2021-22)	2.1	27.1	-92.25	Scanty
March (2021-22)	18	38.9	-53.73	Deficient
April (2021-22)	34.5	160.2	-78.46	Scanty

**TEMPERATURE (°C) NAMTHANG**

SL. NO	MONTH	2020-2021	
		MAXIMUM	MINIMUM
1.	January (2020-21)	15.4	8
2.	February (2020-21)	16.7	9.4
3.	March (2020-21)	20.5	12.5
4.	April (2020-21)	22.3	12.6
5.	May (2020-21)	23.7	15.4
6.	June (2020-21))	24.7	17.9
7.	July (2020-21)	25	19
8.	August (2020-21)	25.4	15.6
9.	September (2020-21)	22.5	12.6
10.	October (2020-21)	24.6	12.9
11.	November (2020-21)	21.6	10.3
12.	December (2020-21)	17.1	8.1
<b>Average</b>		<b>21.63</b>	<b>12.86</b>
13.	January (2021-22)	15.2	7.5
14.	February (2021-22)	18.9	9.2
15.	March (2021-22)	21.3	10.1
16.	April (2021-22)	24.5	12.4
<b>Average</b>		<b>19.98</b>	<b>9.80</b>

**DEPARTURE FROM NORMAL TEMPERATURE (°C) NAMTHANG, 2020-2021.**

MONTH	MAXIMUM TEMPERATURE		MINIMUM TEMPERATURE			
	ACTUAL	NORMAL	DEP. FROM	ACTUAL	NORMAL	DEP. FROM
January (2020-21)	15.4	15.3	0.65	8	6.5	23.08
February (2020-21)	16.7	18.1	-7.73	9.4	8.2	14.63
March (2020-21)	20.5	21.4	-4.21	12.5	11.6	7.76
April (2020-21)	22.3	23.4	-4.70	12.6	13.8	-8.70
May (2020-21)	23.7	24.2	-2.07	15.4	14.8	4.05
June (2020-21))	24.7	25.3	-2.37	17.9	17	5.29
July (2020-21)	25	25.2	-0.79	19	17.2	10.47
August (2020-21)	25.4	25.5	-0.39	15.6	17.4	-10.34
September (2020-21)	22.5	25	-10.00	12.6	17	-25.88
October (2020-21)	24.6	23.5	4.68	12.9	12.6	2.38
November (2020-21)	21.6	19.4	11.34	10.3	9.8	5.10
December (2020-21)	17.1	17.1	0.00	8.1	8.6	-5.81
January (2021-22)	15.2	15.3	-0.65	7.5	6.5	15.38
February (2021-22)	18.9	18.1	4.42	9.2	8.2	12.20
March (2021-22)	21.3	21.4	-0.47	10.1	11.6	-12.93
April (2021-22)	24.5	23.4	4.70	12.4	13.8	-10.14