

Agribusiness work Plan

A) Introduction & Background-

The project is being implemented with an objective to increase the efficient use of natural resources and increased productivity of rain-fed agriculture by participation of communities in selected micro watershed of the Uttarakhand State. The project continues till 2021 in three phases:

- Preparatory,
- Implementation and
- Consolidation Phase

Project was started from 2014 and covers more than thousand revenue villages in 8 districts of the State. The focus of UDWDP-II is to develop and enhance productivity of rain fed areas by adopting a **participatory watershed management approach**. The project has three core components;

1. Social Mobilization and Participatory Watershed Planning,
2. Watershed Treatment and Rain fed Area Development and
3. Enhancing Livelihood Opportunities – with strong support from ABSO

The third component would support agribusiness development, improve livelihood of vulnerable groups and assist Gramya-I GPs in consolidation of watershed development activities. ABSO will play a vital role in implementation of component third which is having three sub components, **(i) Agribusiness Support (ii) Income-generating Activities and (iii) Consolidation of Gramya –I activities.**

Background of Project Area

In the Tehri Garhwal District, the Decentralized Watershed Development Project is operating in the Jaunpur block. The block has 78 Gram Panchayat (148 Revenue Villages), that come under project area.

The project area is further divided in three units namely:

Unit	GP	RVs
Thatyur	31	50
Kempty	19	47
Nainbagh	28	51
Total	78	148

B) Project Objective

- (i) Community participation in watershed development and management aimed at improving and sustaining the productive potential of natural resources and rain-fed agriculture while simultaneously enhancing incomes and livelihood options;
- (ii) Strengthening administrative capacity of GPs to manage project financial resources, implement sub-projects, deliver legally mandate service (in the context of natural resource management), and to sustain those services beyond the duration of project.
- (iii) Ensuring equitable participation of all groups especially the landless and women who rely disproportionately on common-pool resources for fodder, fuel and other forest products.

C) Expected Outcome of the Agribusiness

- Make individual farmer capable of understanding and application of appropriate skills for sustainable Crop Management and Agronomic Practices, Variety Options and procurement of required inputs for commercial production of cash crops.
- Promote cash crops and link them with Farmers Interest Groups (FIGs) to plan the production and marketing.
- Federate the FIGs into Farmers Association (FA) under self-reliant cooperative act 2003.
- Enable the farmers' Association to manage properly the input (High Yielding Seed, bio-fertilizer, plant protection as per IPM, improved agricultural equipment, Mulching Sheet and Food grade packaging materials)
- Supply and to provide the marketing services (collection of market information and its dissemination to its members/ FA, production planning as per crop cycle, development market linkages, negotiable with the traders or buyers, aggregation and selling their produce) to its members.
- Introduce new appropriate, sustainable value addition and profitable income generation activities at stakeholder level.

- Develop the capabilities of the farmers' association to access the services and technology available with different line department/agencies or private service provider to support farmer's activities beyond the project period.

D) Approach&Methodology adopted-(Describe it under following heads)

- ABSO Team mobilization for task
- Data collection under Base line survey
- Selection of Villages (as per ToR)

E) Selected villages –List of selected villages (*along with road Map* of selected Revenue village*)*need not to scale

S.N.	GP	RV
1	Tewa	Tewa
2	Bangsheel	Bangsheel
3	Moldhar	Moldhar
4	Auntan	Auntan
5	Thik	Thik
6		Odarshu
7		Kinshu
8	Khera	Khera Talla
9		Khera Malla
10		Chakpot
11	Bhunyasari	Bhuinsari
12		Kakdu
13	Budkot	Budkot
14		Pujaldi
15	Shirsh	Shirsh
16		Airi
17	Thatyur	Thatyur
18		Matuli Sera

S.N.	GP	RV
19	Papra	Papra
20	Kyari	Kyari
21	Lalotana	Lalotana
22		Tikri
23	Khyarsi	Khyarsi
24	Takarana	Takarana
25		Chadogi
26	Gaid	Gaid
27	Agyarna	Agyarna
28		Kapultha
29		Chhanan Gaon
30	Bhatoli	Bhatoli
31		Banogi
32		Chamya
33		Jethu ki kandi
34	Banglo ki Kandi	Banglo ki Kandi
35	Sainji	Sainji
36	Pali	Pali
37	Bhediyani	Bhediyani
38		Gaokhet
39		Sartali
40		Kasoun
41	Rayat Gao	Talogi
42		Dhargao
43		Rayat Gao
44	Bel	Bel
45		Parogi
46	Buradi	Buradi
47		Thal
48	Sadab	Sadab
49	Lagwalgao	Lagwalgao
50		Rangao
51		Dabla
52	Rampur Nigyana	Rampur Nigyana
53	Binao	Binao
54		Tandwangao
55	Gharada	Gharada
56		Aakhuli

S.N.	GP	RV
57		Kathyud
58		Jhangeri
59	Shrikot	Shrikot
60	Bhatwari	Bhatwari
61	Basangao	Basangao
62	Bishtonshi	Bishtonshi
63		Aindi
64	Bhandasari	Bhandasari
65		Pawait
66	Mair	Mair
67		Kasangao
68		Tangri
69	Pantwari	Pantwari
70		Kodi
71	Ghorakhuri	Ghorakhuri
72		Ghera
73		Sautyalgao
74	Mashrash	Mashrash
75		Thuraiti
76	Maugi	Maugi
77		Chandwangao

F) SWOT Analysis – (Based on Baseline survey)

Strength	Weakness
<ul style="list-style-type: none"> • Climate suitable for growing “off-season” vegetables. • Most crops grown traditionally and are familiar to the local community. • Demand of vegetables in local markets • Close and has access to larger market in north India (with possibilities of establishing marketing channels) • Spice crops are familiar to growers who understand its farming. • Spices can be grown to bridge gaps in terms of 	<ul style="list-style-type: none"> • Land holdings are small and fragmented. • The traditional farming methods are practiced and hence the productivity is low. • Lack of capacity building and credit infusion resulting in small scale of activity. • Generally poor road connectivity, often narrow (unsuitable for large trucks for transportation). • Mobile phone coverage poor – which limits contact with buyers. • Wild animals damage crops. • No special advantage compared to other regions

<p>time and growing space.</p> <ul style="list-style-type: none"> • Wild animals do not attack spice crops. • Large consumption among households on regular basis in primary and processed form. • Can lend itself to value addition through simple low-cost technology at village level. • Clean image of state appeals to consumers. 	<p>other than being naturally organic.</p> <ul style="list-style-type: none"> • Grown on a limited scale compared to other state. • Lack of irrigation constraints yield of garlic. • Consumers suspect ground spices have been adulterated unless they are from a reputable brand. This may limit local level value addition.
Opportunity	Threat
<ul style="list-style-type: none"> • Availability of other areas/regions that can compete for exotics, herbs & off-season vegetables. • Large local requirement for tourists visiting the project area. • Ability to grow “exotics” like broccoli, red cabbage, asparagus, etc. can open higher end of the market. • Good potential to raise productivity and optimize operations through adoption of collective approaches. • Road connectivity is improving. • Regulations have been amended to allow the agri-business sector to buy directly from producers. Contract marketing will be exempt from mandi tax. • Government to create more farmers' markets for direct sales to local consumers. • Scope to improve marketing chain, and to provide farmers with alternative sources of credit and inputs, so breaking hold of Commission Agents. • Local demand for spices in primary and processed form. • Off-season opportunity may exist for some crops like ginger (being the most remunerative). • Market opportunity in external markets for organic spices. • Possibility of growing new, higher value spice crops also further processing into oleoresins. 	<ul style="list-style-type: none"> • Many households not interested in cash crops as their livelihoods are based on migration to jobs away from the hills in the plains where better infrastructure services are available. • Established producers in Himachal Pradesh compete in the off-season vegetable market for much of the season. • In recent years OSV has been damaged due to extreme weather conditions. • Widespread cultivation of ginger may damage soil structure. • Need improved systems for seed storage to avoid risk of an overall decline in quality of produce. • Competition with larger players, selling branded products.

Baseline Information of Agribusiness

Agribusiness Detail of Selected Village

(Explain the tabular information in the form of text)

A. Demographic details *(Explain the tabular information in the form of text)*

i) Population: -

S.N.	GP	RV	No. of Family	Population	Adult		Children	
					Male	Female	Male	Female
1	Tewa	Tewa	65	383	140	93	58	92
2	Bangsheel	Bangsheel	78	385	68	60	106	151
3	Moldhar	Moldhar	104	535	82	60	117	276
4	Auntan	Auntan	124	357	306	300	57	70
5	Thik	Thik	63	450	70	65	150	150
6		Odarshu	97	120	18	37	35	40
7		Kinshu	50	329	56	43	63	67
8	Khera	Khera Talla	57	283	107	100	40	36
9		Khera Malla	31	160	82	38	24	16
10		Chakpot	15	70	32	16	14	8
11	Bhunyasari	Bhuinsari	65	509	68	60	230	151
12		Kakdu	18	97	30	23	28	16
13	Budkot	Budkot	42	291	53	43	120	75
14		Pujaldi	33	157	19	23	73	42
15	Shirsh	Shirsh	75	305	107	98	46	54
16		Airi	52	186	65	60	34	27
17	Thatyur	Thatyur	54	289	124	118	22	25
18		Matuli Sera	23	154	65	53	24	12
19	Papra	Papra	87	402	155	140	60	47
20	Kyari	Kyari	155	1012	372	359	123	158
21	Lalotana	Lalotana	78	395	156	140	52	47
22		Tikri	44	209	65	60	36	48
23	Khyarsi	Khyarsi	133	893	377	356	82	78
24	Takarana	Takarana	53	257	95	89	55	38
25		Chadogi	34	171	58	55	30	28
26	Gaid	Gaid	73	494	211	190	46	47

S.N.	GP	RV	No. of Family	Population	Adult		Children	
					Male	Female	Male	Female
27	Agyarna	Agyarna	65	369	156	154	34	25
28		Kapultha	59	311	132	129	24	26
29	Bhatoli	Bhatoli	25	293	118	106	30	39
30		Banogi	10	105	45	34	10	16
31		Chamya	11	86	31	34	9	12
32		Jethu ki kandi	12	141	47	54	13	27
33	Banglo ki Kandi	Banglo ki Kandi	102	810	317	298	94	101
34	Sainji	Sainji	58	485	197	178	45	65
35	Pali	Pali	42	432	198	169	30	35
36	Bhediyan	Bhediyan	32	293	114	118	29	32
37		Gaokhet	29	226	98	89	16	23
38		Sartali	57	474	197	172	57	48
39		Kasoun	39	327	133	112	34	40
40	Rayat Gao	Talogi	20	140	41	38	31	22
41		Dhargao	13	75	31	21	13	10
42		Rayat Gao	21	185	65	52	32	36
43	Bel	Bel	37	447	144	201	57	45
44		Parogi	32	288	103	84	50	42
45	Buradi	Buradi	35	208	66	49	48	45
46		Thal	32	215	68	64	45	38
47	Sadab	Sadab	56	528	183	168	95	82
48	Lagwalgao	Lagwalgao	16	138	58	57	13	10
49		Rangao	17	120	36	36	22	26
50		Dabla	25	185	48	44	48	45
51	Rampur Nigyana	Rampur Nigyana	53	523	168	161	94	100
52	Binao	Binao	36	333	106	107	56	64
53		Tandwangao	7	64	22	23	12	7
54	Gharada	Gharada	21	191	55	60	43	55
55		Aakhuli	13	121	46	40	17	18
56		Kathyud	11	60	22	19	11	8
57		Jhangeri	20	123	37	36	26	24
58	Shrikot	Shrikot	87	642	229	196	103	114
59	Bhatwari	Bhatwari	41	334	115	112	51	56

S.N.	GP	RV	No. of Family	Population	Adult		Children	
					Male	Female	Male	Female
60	Basangao	Basangao	44	336	96	110	67	63
61	Bishtonshi	Bishtonshi	17	124	36	33	31	24
62		Aindi	40	305	92	90	58	65
63	Bhandasari	Bhandasari	141	773	187	188	190	208
64		Pawait	44	200	57	50	49	44
65	Mair	Mair	70	300	125	132	25	18
66		Kasangao	12	70	20	18	17	15
67		Tangri	31	90	32	25	15	18
68	Pantwari	Pantwari	98	560	198	185	17	15
69		Kodi	45	230	88	65	37	40
70	Ghorakhuri	Ghorakhuri	30	145	52	45	28	20
71		Ghera	7	35	12	10	7	6
72		Sautyalgao	26	115	40	40	20	15
73	Mashrash	Mashrash	85	370	122	118	68	62
74		Thuraiti	29	150	52	48	23	27
75	Maugi	Maugi	129	580	188	178	113	101
76		Chandwangao	17	85	32	23	16	14

ii) Social category: -

S.N.	GP	RV	No. of Family	Gen	SC	ST	OBC	Others (if any specify)
1	Tewa	Tewa	65	0	175	0	208	
2	Bangsheel	Bangsheel	78	0	156	0	229	
3	Moldhar	Moldhar	104	0	140	0	395	
4	Auntan	Auntan	124	0	52	0	305	
5	Thik	Thik	63	0	37	0	413	
6		Odarshu	97	0	0	0	120	
7		Kinshu	50	0	13	0	316	
8	Khera	Khera Talla	31	0	39	0	121	
9		Khera Malla	57	0	36	0	253	
10		Chakpot	15	0	44	0	26	
11	Bhunyasari	Bhuinsari	65	0	73	0	436	
12		Kakdu	18	0	97	0	0	
13	Budkot	Budkot	42	0	8	0	208	

S.N.	GP	RV	No. of Family	Gen	SC	ST	OBC	Others (if any specify)
14		Pujaldi	33	0	27	0	130	
15	Shirsh	Shirsh	75	0	81	0	224	
16		Airi	52	0	61	0	125	
17	Thatyur	Thatyur	54	0	133	0	156	
18		Matuli Sera	23	0	35	0	119	
19	Papra	Papra	87	0	105	0	297	
20	Kyari	Kyari	155	0	41	0	971	
21	Lalotana	Lalotana	78	0	70	0	325	
22		Tikri	44	0	48	0	161	
23	Khyarsi	Khyarsi	133	0	221	0	672	
24	Takarana	Takarana	53	0	54	0	203	
25		Chadogi	34	0	41	0	130	
26	Gaid	Gaid	73	0	36	0	458	
27	Agyarna	Agyarna	65	0	19	0	350	
28		Kapultha	59	0	43	0	268	
29	Bhatoli	Bhatoli	25	0	32	0	261	
30		Banogi	10	0	0	0	105	
31		Chamya	11	0	0	0	86	
32		Jethu ki kandi	12	0	60	0	81	
33	Banglo ki Kandi	Banglo ki Kandi	102	0	58	0	752	
34	Sainji	Sainji	58	0	45	0	440	
35	Pali	Pali	42	0	145	0	287	
36	Bhediyan	Bhediyan	32	0	31	0	262	
37		Gaokhet	29	0	12	0	214	
38		Sartali	57	0	42	0	432	
39		Kasoun	39	0	22	0	305	
40	Rayat Gao	Talogi	20	0	0	0	140	
41		Dhargao	13	0	1	0	74	
42		Rayat Gao	21	0	3	0	182	
43	Bel	Bel	37	0	4	0	443	
44		Parogi	32	0	23	0	265	
45	Buradi	Buradi	35	0	6	0	202	
46		Thal	32	0	2	0	213	
47	Sadab	Sadab	56	0	11	0	517	
48	Lagwalgao	Lagwalgao	16	0	0	0	138	
49		Rangao	17	0	0	0	120	
50		Dabla	25	0	5	0	180	

S.N.	GP	RV	No. of Family	Gen	SC	ST	OBC	Others (if any specify)
51	RampurNigyana	RampurNigyana	53	0	129	0	394	
52	Binao	Binao	36	0	31	0	302	
53		Tandwangao	7	0	0	0	64	
54	Gharada	Gharada	21	0	20	0	171	
55		Aakhuli	13	0	0	0	121	
56		Kathyud	11	0	36	0	24	
57		Jhangeri	20	0	56	0	67	
58	Shrikot	Shrikot	87	0	79	0	563	
59	Bhatwari	Bhatwari	41	0	63	0	271	
60	Basangao	Basangao	44	0	101	0	235	
61	Bishtonshi	Bishtonshi	17	0	18	0	106	
62		Aindi	40	0	35	0	270	
63	Bhandasari	Bhandasari	141	0	213	0	560	
65	Mair	Mair	70	0	0	0	300	
66		Kasangao	12	0	50	0	20	
67		Tangri	31	0	68	0	22	
68	Pantwari	Pantwari	98	0	213	0	347	
69		Kodi	45	0	37	0	193	
70	Ghorakhuri	Ghorakhuri	30	0	0	0	145	
71		Ghera	7	0	0	0	35	
72		Sautyalgao	26	0	65	0	50	
73	Mashrash	Mashrash	85	0	88	0	282	
74		Thuraiti	29	0	22	0	128	
75	Maugi	Maugi	129	0	199	0	381	
76		Chandwangao	17	0	13	0	72	

iii) Income: -

S.N.	GP	RV	No. of Family	Average income of the family(lakhs)
1	Tewa	Tewa	65	16000
2	Bangsheel	Bangsheel	78	20000
3	Moldhar	Moldhar	104	20000
4	Auntan	Auntan	124	20000
5	Thik	Thik	63	12000
6		Odarshu	11	12000
7		Kinshu	50	16000
8	Khera	Khera Talla	31	17000

S.N.	GP	RV	No. of Family	Average income of the
9		Khera Malla	57	18000
10		Chakpot	15	14000
11	Bhunyasari	Bhuinsari Camp	65	15000
12		Kakdu	18	18000
13	Budkot	Budkot	42	20000
14		Pujaldi	33	18000
15	Shirsh	Shirsh	75	18000
16		Airi	52	18000
17	Thatyur	Thatyur	54	16000
18		Matuli Sera	23	12000
19	Papra	Papra	87	18000
20	Kyari	Kyari	155	15000
21	Lalotana	Lalotana	78	18000
22		Tikri	44	18000
23	Khyarsi	Khyarsi	133	18000
24	Takarana	Takarana	53	18000
25		Chadogi	34	16000
26	Gaid	Gaid	73	16000
27	Agyarna	Agyarna	65	18000
28		Kapultha	59	16000
29	Bhatoli	Bhatoli	25	24000
30		Banogi	10	24000
31		Chamya	11	18000
32		Jethu ki kandi	12	18000
33	Banglo ki Kandi	Banglo ki Kandi	102	24000
34	Sainji	Sainji	58	12000
35	Pali	Pali	42	18000
36	Bhediyani	Bhediyani	32	22000
37		Gaokhet	29	24000
38		Sartali	57	18000
39		Kasoun	39	18000
40	Rayat Gao	Talugi	20	24000
41		Dhargao	13	24000
42		Rayat Gao	21	18000
43	Bel	Bel	37	18000
44		Parogi	32	24000
45	Buradi	Buradi	35	18000
46		Thal	32	20000
47	Sadab	Sadab	56	24000
48	Lagwalgao	Lagwalgao	16	24000

S.N.	GP	RV	No. of Family	Average income of the
49		Rangao	17	24000
50		Dabla	25	18000
51	Rampur Nigyana	Rampur Nigyana	53	18000
52	Binao	Binao	36	24000
53		Tandwangao	7	18000
54	Gharada	Gharada	21	20000
55		Aakhuli	13	24000
56		Kathyud	11	18000
57		Jhangeri	20	18000
58	Shrikot	Shrikot	87	16000
59	Bhatwari	Bhatwari	41	12000
60	Basangao	Basangao	44	18000
61	Bishtonshi	Bishtonshi	17	15000
62		Aindi	40	18000
63	Bhandasari	Bhandasari	141	18000
64		Pawait	70	18000
65	Mair	Mair	141	18000
66		Kasangao	31	16000
67		Tangri	98	16000
68	Pantwari	Pantwari	45	20000
69		Kodi	30	20000
70	Ghorakhuri	Ghorakhuri	7	20000
71		Ghera	26	12000
72		Sautyalgao	85	12000
73	Mashrash	Mashrash	29	16000
74		Thuraiti	129	17000
75	Maugi	Maugi	17	20000
76		Chandwangao	7	15000

B. Existing Agriculture Scenario

S.N.	Crop	Area (ha)	Production(qt)	Productivity(qt/ha)	Specify Kharif /Rabi /Zaid
1	Agriculture crops				
a)	Cereal crops / millets				
	1 Maize	97	2716	28	Kharif
	2 Finger millets	42	924	22	Kharif
	3 Barnyard millet	54	1080	20	Kharif
	4 Barley	30	420	14	Rabi
	5 Wheat	85	2125	25	Rabi
	6 Amaranthus	18	144	8	Kharif
b)	Pulse crops				
	1 Pigeon pea	31	496	16	Kharif
	2 Urad	27	270	10	Rabi
	3 Gehat	37	333	9	Kharif
	4 Lentil	27	324	12	Rabi
c)	Oil seed crops				
	1 Mustard	23	207	9	Rabi
	2 Soybean	49	1029	21	Kharif
	3 Sesame	22	550	25	Kharif
2	Horticulture crop				
a)	Vegetable crop				
	1 Pea	52	3224	62	Rabi
	2 Cabbage	43	1376	32	Rabi
	3 Radish	12	336	28	Rabi
	4 Carrot	16	480	30	Rabi
	5 Garlic	18	1764	98	Rabi
b)	Spice crop				
	1 Turmeric	78	3510	45	Kharif
	2 Ginger	60	2880	48	Kharif
	3 Chilly	34	1972	58	Kharif
c)	Fruit crop				
	1 Pomegranate	12	139200	11600	Rainy (July-Aug)
	2 Guava	8	86000	10750	Winter (Nov-Dec)
Total		260			

C. Land use in Agriculture *(Explain the tabular information in the form of text)*

S. N.	GP	RV	Total Agriculture land	Land used in Agriculture					
				Rainfed area		Irrigated area		Cultivated Barren land	
				Hectare	Percentage	Hectare	Percentage	hectare	Percentage
1	Tewa	Tewa	41.01	33.729	82.245794	6.479	15.798586	0.802	1.95562058
2	Bangsheel	Bangsheel	62.007	60.159	97.019691	1.728	2.7867821	0.12	0.19352654
3	Moldhar	Moldhar	71.345	69.642	97.613007	1.703	2.3869928	0	0
4	Auntan	Auntan	56.708	48.23	85.049728	7.966	14.047401	0.512	0.90287085
5	Thik	Thik	29.586	25.909	87.571825	3.677	12.428175	0	0
6		Odarshu	7.78	6.012	77.275064	1.562	20.077121	0.206	2.64781491
7		Kinshu	24.78	19.003	76.686844	5.777	23.313156	0	0
8	Khera	Khera Talla	20.339	16.965	83.41118	3.374	16.58882	0	0
9		Khera Malla	27.011	27.011	100	0	0	0	0
10		Chakpot	7.716	7.716	100	0	0	0	0
11	Bhunyasari	Bhuinsari	41.466	39.754	95.871316	1.712	4.1286837	0	0
12		Kakdu	13.288	13.288	100	0	0	0	0
13	Budkot	Budkot	15.706	15.195	96.746466	0.47	2.9924869	0.041	0.26104673
14		Pujaldi	5.39	3.779	70.111317	1.59	29.499072	0.021	0.38961039
15	Shirsh	Shirsh	57.054	47.089	82.534091	9.862	17.285379	0.103	0.18053073
16		Airi	28.574	25.995	90.974312	2.579	9.0256877	0	0
17	Thatyur	Thatyur	5.224	3.206	61.370597	2.018	38.629403	0	0
18		Matuli Sera	9.703	1.264	13.026899	8.439	86.973101	0	0
19	Papra	Papra	40.18	34.549	85.985565	5.631	14.014435	0	0
20	Kyari	Kyari	76.37	70.366	92.138274	6.004	7.8617258	0	0
21	Lalotana	Lalotana	56.325	53.373	94.758988	2.952	5.241012	0	0
22		Tikri	36.943	36.898	99.878191	0.045	0.1218093	0	0
23	Khyarsi	Khyarsi	148.57	142.709	96.055058	5.861	3.9449418	0	0
24	Takarana	Takarana	36.498	34.046	93.281824	2.452	6.7181763	0	0
25		Chadogi	30.369	29.697	97.787217	0.672	2.2127828	0	0
26	Gaid	Gaid	66.515	57.776	86.86161	8.739	13.13839	0	0
27	Agyarna	Agyarna	21.446	20.653	96.302341	0.793	3.6976592	0	0
28		Kapultha	24.76	24.619	99.430533	0.141	0.5694669	0	0

S. N.	GP	RV	Total Agriculture land	Land used in Agriculture					
				Rainfed area		Irrigated area		Cultivated Barren land	
				Hectare	Percentage	Hectare	Percentage	hectare	Percentage
29	Bhatoli	Bhatoli	25.282	23.637	93.493395	1.645	6.5066055	0	0
30		Banogi	6.387	6.185	96.837326	0.202	3.1626742	0	0
31		Chamya	9.072	6.255	68.948413	2.817	31.051587	0	0
32		Jethu ki kandi	8.94	6.195	69.295302	2.745	30.704698	0	0
33	Banglo ki Kandi	Banglo ki Kandi	61.963	48.510	78.288656	13.453	21.711344	0	0
34	Sainji	Sainji	37.274	31.75	85.180018	5.524	14.819982	0	0
35	Pali	Pali	28.375	27.005	95.171806	1.370	4.8281938	0	0
36	Bhediyan	Bhediyan	33.102	32.206	97.293215	0.896	2.7067851	0	0
37		Gaokhet	26.673	25.515	95.658531	1.158	4.3414689	0	0
38		Sartali	22.072	20.441	92.610547	1.631	7.3894527	0	0
39		Kasoun	34.302	33.901	98.830972	0.401	1.169028	0	0
40	Rayat Gao	Talogi	10.125	7.902	78.044444	2.223	21.955556	0	0
41		Dhargao	10.695	10.695	100	0	0	0	0
42		Rayat Gao	28.622	26.716	93.340787	1.906	6.6592132	0	0
43	Bel	Bel	34.711	31.023	89.375126	3.688	10.624874	0	0
44		Parogi	189.005	187.679	99.298431	1.326	0.7015687	0	0
45	Buradi	Buradi	15.943	13.571	85.121997	2.372	14.878003	0	0
46		Thal	300.075	298.941	99.622094	1.134	0.3779055	0	0
47	Sadab	Sadab	37.536	32.843	87.497336	4.693	12.502664	0	0
48	Lagwalgao	Lagwalgao	14.619	14.606	99.911075	0.013	0.0889254	0	0
49		Rangao	25.106	24.110	96.032821	0.996	3.9671792	0	0
50		Dabla	24.788	21.911	88.393578	2.877	11.606422	0	0
51	Rampur Nigyana	Rampur Nigyana	204.264	42.064	20.592958	4.1	2.0072064	158.1	77.3998355
52	Binao	Binao	42.509	18.603	43.762497	0	0	23.906	56.2375026
53		Tandwangao	26.338	16.197	61.496697	0	0	10.141	38.5033032
54	Gharada	Gharada	46.626	16.2	34.744563	4.424	9.4882683	26.002	55.7671685
55		Aakhuli	17.825	8.015	44.964937	0.91	5.1051893	8.9	49.9298738
56		Kathyud	59.641	6.915	11.594373	1.143	1.9164669	51.583	86.4891601
57		Jhangeri	70.944	16.125	22.729195	5.3	7.4706811	49.519	69.800124

S. N.	GP	RV	Total Agriculture land	Land used in Agriculture					
				Rainfed area		Irrigated area		Cultivated Barren land	
				Hectare	Percentage	Hectare	Percentage	hectare	Percentage
58	Shrikot	Shrikot	83.528	49.275	58.992194	5.818	6.965329	28.435	34.0424768
59	Bhatwari	Bhatwari	83.097	25.208	30.335632	2.517	3.0289902	55.372	66.6353779
60	Basangao	Basangao	103.36	34.908	33.77322	2.386	2.3084365	66.066	63.9183437
61	Bishtonshi	Bishtonshi	49.36	8.499	17.218395	1.057	2.14141	39.804	80.6401945
62		Aindi	105.694	33.096	31.313036	1.975	1.8686018	70.623	66.8183624
63	Bhandasari	Bhandasari	30.709	16	52.10199	0.465	1.5142141	14.244	46.3837963
64		Pawait	102.013	26.554	26.030016	0.617	0.6048249	74.842	73.3651593
65	Mair	Mair	57.617	26.982	46.829929	4.335	7.5238211	26.3	45.6462502
66		Kasangao	24.686	9.686	39.236814	0	0	15	60.7631856
67		Tangri	24.677	12.055	48.851157	1.608	6.5161892	11.014	44.6326539
68	Pantwari	Pantwari	79.571	25.541	32.098378	9.3	11.687675	44.73	56.2139473
69		Kodi	157.571	50.015	31.741247	23.5	14.913912	84.056	53.3448414
70	Ghorakhuri	Ghorakhuri	36.768	11.085	30.148499	2.2	5.9834639	23.483	63.8680374
71		Ghera	27.898	7.738	27.736755	0	0	20.16	72.2632447
72		Sautyalgao	53.493	11.337	21.193427	0.481	0.8991831	41.675	77.9073898
73	Mashrash	Mashrash	105.71	33.116	31.327216	1.038	0.9819317	71.556	67.6908523
74		Thuraiti	93.7	16.973	18.114194	0	0	76.727	81.8858058
75	Maugi	Maugi	188.137	43.354	23.043846	1.668	0.886588	143.12	76.0695663
76		Chandwangao	121.012	18.754	15.497637	6.1	5.0408224	96.158	79.461541

D. Base line data of crops – GP & RV Wise (Explain the tabular information in the form of text)

S. N.	GP	RV	Crop	
			Rabi	Kharif
1	Tewa	Tewa	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Cucumber
2	Bangsheel	Bangsheel	Pea, cabbage, Garlic, Cauliflower	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Cucumber
3	Moldhar	Moldhar	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Cucumber
4	Auntan	Auntan	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Cucumber
5	Thik	Thik	Pea, cabbage, Garlic, Cauliflower	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
6		Odarshu	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
7		Kinshu	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
8	Khera	Khera Talla	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
9		Khera Malla	Pea, Garlic,	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
10		Chakpot	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Tomato, Cucumber
11	Bhunyasari	Bhuinsari	Pea, cabbage, Garlic, Cauliflower	Frenchbean, chilly, Ginger, Turmeric, Capsicum, Cucumber
12		Kakdu	Garlic, Radish	Chilly, Ginger, Brinjal, Cucumber
13	Budkot	Budkot	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Cucumber
14		Pujaldi	Pea, cabbage, Garlic	Frenchbean, chilly, Ginger, Turmeric, Cucumber
15	Shirsh	Shirsh	Pea, Garlic	Frenchbean, chilly, Ginger, Turmeric, Cucumber
16		Airi	Pea, Garlic	Frenchbean, chilly, Ginger, Turmeric, Cucumber
17	Thatyur	Thatyur	Garlic, Radish	Chilly, Ginger, Brinjal, Cucumber
18		Matuli Sera	Garlic, Radish	Frenchbean, chilly, Ginger, Turmeric, Tomato, Cucumber
19	Papra	Papra	Pea, Garlic	Frenchbean, chilly, Ginger, Turmeric, Cucumber
20	Kyari	Kyari	Pea, Garlic	Frenchbean, chilly,

S. N.	GP	RV	Crop	
			Rabi	Kharif
				Tomato,Turmeric,Capsicum,Cucumber
21	Lalotana	Lalotana	Pea, Garlic	Frenchbean,chilly, Tomato,Turmeric,Capsicum,Cucumber
22		Tikri	Pea, Garlic ,Coriander	Frenchbean,chilly, Tomato,Turmeric,Capsicum,Cucumber
23	Khyarsi	Khyarsi	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
24	Takarana	Takarana	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
25		Chadogi	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
26	Gaid	Gaid	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
27	Agyarna	Agyarna	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
28		Kapultha	Pea, Garlic ,Coriander	Frenchbean,chilly, Capsicum,Cucumber
29	Bhatoli	Bhatoli	Pea, Garlic ,Coriander	Frenchbean,chilly, ,Cucumber Ginger,Turmeric
30		Banogi	Pea, Garlic ,Coriander	Frenchbean,chilly, Ginger,Turmeric
31		Chamya	Pea, Garlic ,Coriander	Frenchbean,chilly, Ginger,Turmeric
32		Jethu ki kandi	Pea, Garlic ,Coriander	Frenchbean,chilly, Ginger,Turmeric
33	Banglo ki Kandi	Banglo ki Kandi	Pea, Garlic ,Coriander	Frenchbean,chilly, Ginger,Turmeric
34	Sainji	Sainji	Pea, Garlic ,Coriander	Frenchbean,chilly, Ginger,Turmeric
35	Pali	Pali	Pea, Radish,Coriander	Frenchbean,chilly
36	Bhediyani	Bhediyani	Pea, Radish,Coriander	Frenchbean,chilly
37		Gaokhet	Pea, Radish,Coriander	Frenchbean,chilly
38		Sartali	Pea, Radish,Coriander	Frenchbean,chilly
39		Kasoun	Pea, Radish,Coriander	Frenchbean,chilly
40	Rayat Gao	Talogi	Pea, Radish,Coriander	Frenchbean,chilly
41		Dhargao	Pea, Radish,Coriander	Frenchbean,chilly
42		Rayat Gao	Pea, Radish,Coriander	Frenchbean,chilly

S. N.	GP	RV	Crop	
			Rabi	Kharif
43	Bel	Bel	Pea, Radish,Coriander	Frenchbean,chilly
44		Parogi	Pea, Radish,Coriander	Frenchbean,chilly
45	Buradi	Buradi	Pea, Radish,Coriander	Frenchbean,chilly
46		Thal	Pea, Radish,Coriander	Frenchbean,chilly
47	Sadab	Sadab	Pea, Radish,Coriander	Frenchbean,chilly
48	Lagwalgao	Lagwalgao	Pea, Radish,Coriander	Frenchbean,chilly
49		Rangao	Pea, Radish,Coriander	Frenchbean,chilly
50		Dabla	Pea, Radish,Coriander	Frenchbean,chilly
51	Rampur Nigyana	Rampur Nigyana	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
52	Binao	Binao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
53		Tandwangao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
54	Gharada	Gharada	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
55		Aakhuli	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
56		Kathyud	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
57		Jhangeri	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
58	Shrikot	Shrikot	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
59	Bhatwari	Bhatwari	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
60	Basangao	Basangao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
61	Bishtonshi	Bishtonshi	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
62		Aindi	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
63	Bhandasari	Bhandasari	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
64		Pawait	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
65	Mair	Mair	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato

S. N.	GP	RV	Crop	
			Rabi	Kharif
66		Kasangao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
67		Tangri	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
68	Pantwari	Pantwari	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
69		Kodi	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
70	Ghorakhuri	Ghorakhuri	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
71		Ghera	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
72		Sautyalgao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
73	Mashrash	Mashrash	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
74		Thuraiti	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
75	Maugi	Maugi	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato
76		Chandwangao	Pea, Radish,Coriander	Frenchbean,chilly ,Capsicum ,Tomato

E. Base line data of crops with Marketable Surplus (Explain the tabular information in the form of text)

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
1	Tewa	Tewa	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Capsicum	Pea- 6 Q, Garlic- 2 Q, Chilly-0.5 Q, Capsicum- 0.8 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 30, Garlic- 50, Chilly-20, Capsicum- 30
2	Bangsheel 1	Bangsheel	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Capsicum	Pea- 4 Q, Cabbage- 1.5 Q, Garlic-1 Q, Capsicum- 0.8 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-30, Cabbage- 12, Garlic-45, Capsicum- 25
3	Moldhar	Moldhar	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly	Pea- 2 Q, Cabbage-1 Q, Chilly-0.5 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 25, Cabbage- 10, Chilly-30
4	Auntan	Auntan	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly	Pea- 12 Q, Cabbage- 2 Q, Chilly-1 Q, Frenchbean-3 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 30, Cabbage- 10, Chilly-25, Frenchbean-12
5	Thik	Thik	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Brinjal	Pea- 2 Q, Chilly-0.5 Q, Brinjal-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-30, Chilly-30, Brinjal-12
6		Odarshu	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly	Pea- 3 Q, Cabbage- 1.5 Q, Garlic-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-25, Cabbage- 10, Garlic-50
7		Kinshu	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Brinjal	Pea- 1.5 Q, Cabbage- 1.5 Q, Garlic-1 Q, Brinjal-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 25, Cabbage- 10, Garlic-50, Brinjal-12
8	Khera	Khera Talla	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Brinjal	Cabbage-1.5 Q, Frenchbean-2 Q, Cucumber-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Cabbage-12, Frenchbean-15, Cucumber-12
9		Khera Malla	Pea, cabbage, Garlic, Cucumber Frenchbean, chilly, Brinjal	Cabbage-1Q, Garlic-1 Q, Frenchbean-2 Q, Cucumber-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Cabbage-12, Garlic-40, Frenchbean-15, Cucumber-12
10		Chakpot	Pea, cabbage, Garlic, Cucumber	Garlic-1.2 Q, Frenchbean-2 Q,	Mussoorie, Dehradun,	Garlic-60, Frenchbean-12,

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
			Frenchbean,chilly, Brinjal	Chilly-0.5 Q	Chamba, Thatyur	Chilly-30
11	Bhunyasa ri	Bhuinsari	Pea, cabbage, Garlic,Cucumber Frenchbean,chilly, Capsicum	Pea- 3 Q, Garlic-1Q, Frenchbean-2 Q, Chilly-0.8 Q, Capsicum-1.5 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 30, Garlic-60, Frenchbean-15, Chilly-30, Capsicum-25
12		Kakdu	Frenchbean	Frenchbean-1 .5 Q	Mussoorie, Dehradun, Chamba, Thatyur	Frenchbean-12
13	Budkot	Budkot	Pea, cabbage, Garlic,Cucumber Frenchbean,chilly, Capsicum	Pea- 2 Q, Garlic-0.8 Q, Frenchbean-1.5 Q, Chilly-0.5 Q, Capsicum-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea- 35, Garlic-60, Frenchbean-12, Chilly-25, Capsicum-30
14		Pujaldi	Pea, cabbage, Garlic,Cucumber Frenchbean,chilly, Capsicum	Pea- 2 Q, Frenchbean-1 Q, Capsicum-1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-30, Frenchbean-10, Capsicum-25
15	Shirsh	Shirsh	Pea, cabbage, Garlic,Cucumber Frenchbean,chilly,T omato,Potato	Cabbage-2 Q, Frenchbean-1 Q, Capsicum-1 Q, Potato- 10 Q	Mussoorie, Dehradun, Chamba, Thatyur	Cabbage-12, Frenchbean-10, Capsicum-25, Potato- 10
16		Airi	Cabbage, Garlic,Cucumber Frenchbean,chilly,P otato, Capsicum	Cabbage-1 Q, Frenchbean-1 Q, Potato- 8 Q	Mussoorie, Dehradun, Chamba, Thatyur	Cabbage-12, Frenchbean-12, Potato- 8
17	Thatyur	Thatyur	Chilly,Potato,	Chilly-0.5 Q, Potato- 10 Q,	Mussoorie, Dehradun, Chamba, Thatyur	Chilly-30, Potato- 10
18		Matuli Sera	Frenchbean,chilly, Ginger, Potato	Frenchbean-1 Q,Ginger-4 Q, Potato- 12 Q	Mussoorie, Dehradun, Chamba, Thatyur	Frenchbean- 10,Ginger-40, Potato-10
19	Papra	Papra	Pea, Radish, Garlic,Cucumber Frenchbean,chilly	Garlic-1 Q,Cucumber- 0.5 Q Frenchbean-1.5 Q,chilly-0.5 Q	Mussoorie, Dehradun, Chamba, Thatyur	Garlic- 50,Cucumber-10 Frenchbean- 12,chilly-25
20	Kyari	Kyari	Pea, cabbage, Radish,Garlic,Cucu mber Frenchbean,chilly,T omato	Pea-5 Q, Cabbage-1.5 Q, Garlic-1 Q, Tomato- 1 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-35, Cabbage- 10, Garlic-50, Tomato- 20

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
21	Lalotana	Lalotana	Pea,Radish,Garlic, Cucumber Frenchbean,chilly, Capsicum	Pea-4 Q, Garlic-1 Q, Frenchbean-2 Q,chilly-0.5 Q,	Mussoorie, Dehradun, Chamba, Thatyur	Pea-25, Garlic-55, Frenchbean- 15,chilly-25
22		Tikri	Pea,Radish,Garlic, Cucumber Frenchbean,chilly	Pea-3 Q, Garlic-1.5 Q, Frenchbean-2 Q,chilly-0.5 Q,	Mussoorie, Dehradun, Chamba, Thatyur	Pea-30, Garlic-50, Frenchbean- 15,chilly-30,
23	Khyarsi	Khyarsi	Pea,Radish,Garlic, Coriander ,Cucumber Frenchbean,chilly, Capsicum,Tomato	Pea-4 Q, Garlic-1 Q, Coriander-0.3 Q, Frenchbean-1.5 Q,chilly-0.5 Q,Tomato- 1.5 Q	Mussoorie, Dehradun, Chamba, Thatyur	Pea-30, Garlic-40, Coriander-20, Frenchbean-12 Q,chilly-25, Tomato- 25
24	Takarana	Takarana	Radish,Garlic, Cucumber Frenchbean,chilly, Capsicum ,Tomato	Radish-2 Q,Garlic-1 Q, Cucumber-1 Q Tomato- 3 Q	Mussoorie, Vikasnagar, Dehradun, Thatyur	Radish-10,Garlic- 50, Cucumber-10, Tomato- 30
25		Chadogi	Radish,Garlic, Cucumber Frenchbean,chilly	Radish-2 Q,Garlic-1 Q, Cucumber-1 Q , Frenchbean-2 Q	Mussoorie, Vikasnagar, Dehradun, Thatyur	Radish-12,Garlic- 50, Cucumber-10 , Frenchbean-12
26	Gaid	Gaid	Pea,Radish,Garlic, Cucumber Frenchbean,chilly, Capsicum ,Tomato	Pea-1.5 Q, Radish-1 Q,Garlic-1 Q, Frenchbean-2 Q, Tomato-2 Q	Mussoorie, Vikasnagar, Dehradun, Thatyur	Pea-25, Radish- 10,Garlic-50, Frenchbean-12, Tomato-25
27	Agyarna	Agyarna	Radish,Garlic, Cucumber Frenchbean,chilly, Capsicum , Tomato	Radish-1.5 Q,Garlic-1 Q, Cucumber-1 Q , Frenchbean-2 Q, Tomato-1 Q	Mussoorie, Dehradun, Thatyur, Chmaba	Radish-12, Garlic- 50, Cucumber-12 , Frenchbean-12, Tomato-30
28		Kapultha	Radish,Garlic, Cucumber Frenchbean,chilly, Capsicum	Radish-1 Q, Cucumber-0.5 Q , Frenchbean-1 Q, Capsicum- 1.5 Q	Mussoorie, Dehradun, Thatyur, Chmaba	Radish-10, Cucumber-10 , Frenchbean-12, Capsicum- 25
29		Chhanan Gaon	Pea,Radish,Garlic, Cucumber Frenchbean,chilly, Potato,Tomato	Potato-8 Q,Tomato-1 Q, Radish-1 Q,Garlic- 1 Q	Mussoorie, Dehradun, Thatyur, Chmaba	Potato-8, Tomato- 30, Radish- 10,Garlic-50

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
30	Bhatoli	Bhatoli	Pea, Garlic ,Coriander,Frenchbean,chilly, ,Cucumber Ginger,Turmerric	Frenchbean-2 Q, Ginger- 8 Q, Turmerric-5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Frenchbean-12, Ginger- 45, Turmerric-25
31		Banogi	Pea, Garlic ,Coriander Frenchbean,chilly, Ginger,Turmerric,	Garlic-1 Q, Coriander-0.5 Q,Frenchbean-2 Q ,chilly-0.4 Q , Ginger-3 Q,Turmerric-2 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-50, Coriander-20,Frenchbean-12,chilly-25, Ginger-40,Turmerric-20,
32		Chamya	Pea, Garlic, Coriander, Frenchbean, Chilly, Ginger,Turmerric	Garlic-1 Q, Coriander-0.5 Q,Frenchbean-2 Q, Ginger-3 Q,Turmerric- 1.5 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-50, Coriander-20,Frenchbean-12, Ginger-40,Turmerric-20,
33		Jethu ki kandi	Pea, Garlic Frenchbean,chilly, Ginger,Turmerric ,Coriander,	Garlic-1 Q, Frenchbean-2 Q, Ginger-2 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-60, Frenchbean-10, Ginger-45,
34	Banglo ki Kandi	Banglo ki Kandi	Pea, Garlic ,Coriander Frenchbean,chilly, Ginger,Turmerric,	Garlic-1.5 Q, Coriander-0.5 Q,Frenchbean-2 Q, Ginger-2 Q,Turmerric- 1 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-50, Coriander-25,Frenchbean-12, Ginger-40,Turmerric- 25,
35	Sainji	Sainji	Pea, Garlic ,Coriander, Frenchbean,chilly, Ginger,Turmerric	Garlic-1 Q, Frenchbean-3 Q, Ginger-2 Q,Turmerric- 1 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-60, Frenchbean-10, Ginger-45,Turmerric-20,
36	Pali	Pali	Pea, Radish,Coriander, Frenchbean,chilly	Garlic-0.5 Q, Frenchbean-2 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Garlic-50, Frenchbean-12,
37	Bhediyan	Bhediyan	Pea, Radish,Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander-20
38		Gaokhet	Pea, Radish,Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar,	Pea-35, Radish-10, Coriander-20

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
					Dehradun	
39		Sartali	Pea, Radish, Coriander	Pea-1 Q, Radish-1.5 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander- 25
40		Kasoun	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-35, Radish-10, Coriander- 20
41	Rayat Gao	Talogi	Pea, Radish, Coriander	Pea-2 Q, Radish-1.5 Q, Coriander- 0.8 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander-20
42		Dhargao	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q,	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-12,
43		Rayat Gao	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.6 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander- 25
44	Bel	Bel	Pea, Radish, Coriander	Pea-1.5 Q, Radish-1 Q, Coriander- 0.8 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander- 25
45		Parogi	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-35, Radish-12, Coriander-20
46	Buradi	Buradi	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander- 20
47		Thal	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander- 25
48	Sadab	Sadab	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-12, Coriander-20
49	Lagwalga o	Lagwalgao	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar,	Pea-25, Radish-10, Coriander-20

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
					Dehradun	
50		Rangao	Pea, Radish, Coriander, Frenchbean, chilly	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander-20
51		Dabla	Pea, Radish, Coriander	Pea-1 Q, Radish-1 Q, Coriander- 0.5 Q	Mussoorie, Kempty, Vikasnagar, Dehradun	Pea-30, Radish-10, Coriander-20
52	Rampur Nigyana	Rampur Nigyana	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Pea-2 Q, Coriander-1 Q, Frenchbean-2, chilly-0.5, Capsicum -1 Q, Tomato-1.5 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Coriander-20, Frenchbean-10, Chilly-25, Capsicum -25, Tomato-30
53	Binao	Binao	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Pea-1.5 Q, Radish-2 Q, Frenchbean-1.5 Q, Capsicum-1.5 Q, Tomato-2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Radish-10, Frenchbean-12, Capsicum-30, Tomato-25
54		Tandwango	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Radish-1 Q, Frenchbean-1.5 Q, chilly-1.5 Q, Capsicum-1 Q, Tomato-2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25, Capsicum-30, Tomato-30
55	Gharada	Gharada	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Pea-1.5Q, Frenchbean-2Q, chilly-0.5Q, Tomato-1.5Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Frenchbean-12, chilly-20, Tomato-30
56		Aakhuli	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Pea- 1.5 Q, Coriander-0.5 Q, Frenchbean-2 Q, Tomato-1.5 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Coriander-20, Frenchbean-12, Tomato-25
57		Kathyud	Pea, Radish, Coriander, Frenchbean, chilly, Capsicum, Tomato	Pea-1.5 Q, Frenchbean-1.5 Q, chilly-0.5 Q, Tomato-1.5 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Frenchbean-15, chilly-25, Tomato-30
58		Jhangeri	Pea, Radish, Coriander,	Pea,-1.5 Q, Frenchbean-1.5 Q,	Nainbagh Vikasnagar,	Pea-30, Frenchbean-12,

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
			Frenchbean,chilly ,Capsicum ,Tomato	Tomato-1.5 Q	Dehradun, Pantwari	Tomato-30
59	Shrikot	Shrikot	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1.5 Q, Radish-1 Q, Frenchbean-2 Q, Tomato-1.5 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-35, Radish-15, Frenchbean-12, Tomato-30
60	Bhatwari	Bhatwari	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-1.5 Q, Frenchbean-2 Q, chilly-0.5 Q, Tomato-2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-10, chilly-25, Tomato-30
61	Basangao	Basangao	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea,-2 Q, Radish-1.5 Q, Frenchbean-1.5 Q ,Tomato-2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-25, Radish-10, Frenchbean-12,Tomato-30
62	Bishtons hi	Bishtonshi	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1 Q, Radish-1 Q,Coriander-0.5 Q, Frenchbean-2 Q, chilly-1 Q,Tomato-2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Radish-12,Coriander-25, Frenchbean-15, chilly-30,Tomato-25
63		Aindi	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1.5 Q, Radish-1 Q, Frenchbean-2 Q, chilly-0.5 Q, Tomato-1.5 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-35, Radish-10, Frenchbean-12, chilly-25, Tomato-30
64	Bhandasari	Bhandasari	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea- 1 Q, Frenchbean-2 Q, chilly-1 Q,Capsicum-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea- 30, Frenchbean-12, chilly-25, Capsicum-25,Tomato-30
65		Pawait	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Frenchbean-2 Q, chilly-1 Q,Capsicum-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Frenchbean-15, chilly-25, Capsicum-25,Tomato- 30
66	Mair	Mair	Pea, Radish,Coriander, Frenchbean,chilly	Frenchbean-1.5 Q, chilly-0.5 Q,Capsicum-1.5	Nainbagh Vikasnagar, Dehradun,	Frenchbean-12, chilly-25,Capsicum-

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
			,Capsicum ,Tomato	Q,Tomato- 3 Q	Pantwari	30,Tomato- 30
67		Kasangao	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-1.5 Q, Frenchbean-1 Q, chilly-0.5 Q,Tomato- 3 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
68		Tangri	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-1 Q, Frenchbean-2 Q, chilly-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
69	Pantwari	Pantwari	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-2 Q, Frenchbean-3 Q, chilly-1 Q,Tomato- 3 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
70		Kodi	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1.5 Q, Radish-1 Q, Frenchbean-1.5 Q, chilly-1 Q,Tomato- 4 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
71	Ghorakhuri	Ghorakhuri	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1 Q, Radish-1 Q, Frenchbean-1 Q, chilly-1 Q,Tomato- 4 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
72		Ghera	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1 Q, Frenchbean- 2 Q, chilly-1 Q,Tomato- 3 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Radish-10, Frenchbean-12, chilly-25,Tomato- 30
73		Sautyalgao	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1 Q, Radish-1.5 Q,Frenchbean-2 Q, chilly-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun, Pantwari	Pea-30, Radish- 12,Frenchbean- 15, chilly- 25,Tomato- 30
74	Mashrash	Mashrash	Pea, Radish,Coriander, Frenchbean,chilly	Pea-1 Q, Radish-1.5 Q,Frenchbean-2 Q, chilly-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun	Pea-30, Radish- 12,Frenchbean- 15, chilly- 25,Tomato- 30

S. N.	GP	RV	Name of Crops	Surplus quantity (crop wise in Quintal)	Marketable surplus	
					Market	Average price Rs/kg
			,Capsicum ,Tomato			
75		Thuraiti	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Pea-1 Q, Radish-1 Q, chilly-1 Q,Tomato- 2 Q	Nainbagh Vikasnagar, Dehradun	Pea-30, Radish-10, chilly-25,Tomato- 30
76	Maugi	Maugi	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-1 Q, chilly-2 Q,Tomato- 3 Q	Nainbagh Vikasnagar, Dehradun	Radish-10, chilly- 25,Tomato- 30
77		Chandwan gao	Pea, Radish,Coriander, Frenchbean,chilly ,Capsicum ,Tomato	Radish-1 Q, chilly-1 Q,Tomato- 3 Q	Nainbagh Vikasnagar, Dehradun	Radish-10, chilly- 30,Tomato- 30

F. Base line data of Raw Produce Availability status *(Explain the tabular information in the form of text)*

Name of Crop	Availability- Months											
	Jan	Feb	March	April	May	June	July	August	September	October	November	December
Pea		█	█						█	█		
Tomato					█	█				█	█	
Potato							█	█		█	█	
French Bean					█	█			█	█		
Radish								█	█			
Cabbage								█	█			
Capsicum								█	█			
Brinjal				█	█							
Chilly					█	█	█	█	█			
Ginger											█	█
Garlic			█	█								
Onion			█	█	█	█						
Maize									█	█		
Pulses									█	█	█	
Manduwa									█	█	█	

G. Existing Agriculture Infrastructure (Base line) (Explain the tabular information in the form of text)

S.N	GP	RV	Polyhouse		Polytunnel		Vermicompost	
			Number of existing poly house	Total area covered under Poly house Area (m2)	Number of existing Poly tunnel	Total area covered under Polytunnel (m2)	Number of existing Vermicompost	Total area covered under Vermicompost (m2)
1	Tewa	Tewa	0	0	0	0	0	0
2	Bangsheel	Bangsheel	0	0	0	0		0
3	Moldhar	Moldhar	3	81	0	0	6	10.2
4	Auntan	Auntan	0	0	0	0	3	5.1
5	Thik	Thik	2	54	0	0	7	11.9
6		Odarshu	1	27	2	3	3	5.1
7		Kinshu	1	27	3	4.5	4	6.8
8	Khera	Khera Talla	2	54	5	7.5	6	10.2
9		Khera Malla	0	0	3	4.5	3	5.1
10		Chakpot	0	0	0	0	2	3.4
11	Bhunyasari	Bhuinsari Camp	1	27	0	0	5	8.5
12		Kakdu	0	0	0	0	2	3.4
13	Budkot	Budkot	1	27	1	1.5	3	5.1
14		Pujaldi	0	0	0	0	2	3.4
15	Shirsh	Shirsh	4	108	0	0	2	3.4
16		Airi	0	0	0	0	0	0
17	Thatyur	Thatyur	0	0	1	1.5	7	11.9
18		Matuli Sera	1	27	3	4.5	1	1.7
19	Papra	Papra	1	27	0	0	6	10.2
20	Kyari	Kyari	0	0	2	3	4	6.8
21	Lalotana	Lalotana	3	81	0	0	9	15.3
22		Tikri	1	27	2	3	5	8.5
23	Khyarsi	Khyarsi	4	108	53	79.5	8	13.6
24	Takarana	Takarana	0	0	2	3	0	0
25		Chadogi	0	0	0	0	0	0
26	Gaid	Gaid	2	54	2	3	4	6.8
27	Agyarna	Agyarna	6	162	5	7.5	9	15.3
28		Kapultha	2	54	3	4.5	1	1.7
29	Bhatoli	Bhatoli	2	54	0	0	0	0
30		Banogi	2	54	0	0	0	0

S.N	GP	RV	Polyhouse		Polytunnel		Vermicompost	
			Number of existing poly house	Total area covered under Poly house Area (m2)	Number of existing Poly tunnel	Total area covered under Polytunnel (m2)	Number of existing Vermicompost	Total area covered under Vermicompost (m2)
31		Chamya	1	27	0	0	0	0
32		Jethu ki kandi	1	27	0	0	0	0
33	Banglo ki Kandi	Banglo ki Kandi	8	216	0	0	0	0
34	Sainji	Sainji	5	135	0	0	0	0
35	Pali	Pali	1	27	0	0	0	0
36	Bhediyani	Bhediyani	0	0	0	0	0	0
37		Gaokhet	0	0	0	0	0	0
38		Sartali	1	27	0	0	0	0
39		Kasoun	1	27	0	0	0	0
40	Rayat Gao	Talogi	0	0	0	0	0	0
41		Dhargao	4	108	0	0	4	6.8
42		Rayat Gao	0	0	0	0	4	6.8
43	Bel	Bel	0	0	0	0	2	3.4
44		Parogi	0	0	0	0	0	0
45	Buradi	Buradi	1	27	0	0	2	3.4
46		Thal	0	0	0	0	0	0
47	Sadab	Sadab	0	0	0	0	13	22.1
48	Lagwalgao	Lagwalgao	0	0	0	0	0	0
49		Rangao	0	0	0	0	0	0
50		Dabla	0	0	0	0	0	0
51	Rampur Nigyana	Rampur Nigyana	1	27	0	0	6	10.2
52	Binao	Binao	1	27	0	0	0	0
53		Tandwango	1	27	0	0	6	10.2
54	Gharada	Gharada	2	54	0	0	0	0
55		Aakhuli	0	0	0	0	0	0
56		Kathyud	0	0	0	0	3	5.1
57		Jhangeri	2	54	0	0	4	6.8
58	Shrikot	Shrikot	1	27	0	0	4	6.8
59	Bhatwari	Bhatwari	0	0	0	0	0	0
60	Basangao	Basangao	0	0	0	0	10	17

S.N	GP	RV	Polyhouse		Polytunnel		Vermicompost	
			Number of existing poly house	Total area covered under Poly house Area (m2)	Number of existing Poly tunnel	Total area covered under Polytunnel (m2)	Number of existing Vermicompost	Total area covered under Vermicompost (m2)
61	Bishtonshi	Bishtonshi	0	0	0	0	0	0
62		Aindi	0	0	0	0	0	0
63	Bhandasari	Bhandasari	0	0	0	0	7	11.9
64		Pawait	0	0	0	0	1	1.7
65	Mair	Mair	0	0	0	0	0	0
66		Kasangao	1	27	0	0	2	3.4
67		Tangri	0	0	0	0	2	3.4
68	Pantwari	Pantwari	1	27	0	0	3	5.1
69		Kodi	1	27	0	0	3	5.1
70	Ghorakhuri	Ghorakhuri	1	27	1	1.5	0	0
71		Ghera	0	0	0	0	1	1.7
72		Sautyalgao	0	0	0	0	2	3.4
73	Mashrash	Mashrash	1	27	0	0	4	6.8
74		Thuraiti	0	0	0	0	0	0
75	Maugi	Maugi	0	0	0	0	1	1.7
76		Chandwangao	0	0	0	0	0	0
Total			75	2025	88	132	186	316.2

H. Base line- Crop Cycle *(Explain the tabular information in the form of text)*

S.N.	Crop cultivated (vegetable/Fruit/Cereals/pulse/oilseeds etc.)	Sowing time (Month)	Transplanting time (month) <i>(wherever applicable)</i>	Harvesting time (Month)
1	Pea	Aug-Sep	N/A	Dec-Nov
2	Cabbage	Aug-Sep	Sep-Oct	Jan-Feb
3	Radish	Sep-Oct	N/A	Jan-Feb
4	Carrot	Sep-Oct	N/A	Jan-Feb
5	Garlic	Oct-Nov	N/A	Mar-Apr
6	Coriander	Oct-Nov	N/A	Mar-Apr
7	Tomato	Jan-Feb	Feb-Mar	Apr-may
8	Capsicum	Jan-Feb	Feb-Mar	Apr-may
9	Brinjal	Feb-Mar	Mar-Apr	May-June
10	French bean	Mar-Apr	N/A	June-July

S.N.	Crop cultivated (vegetable/Fruit/Cereals/pulse/oilseeds etc.)	Sowing time (Month)	Transplanting time (month) (<i>wherever applicable</i>)	Harvesting time (Month)
11	Cucumber	Feb-Mar	N/A	May-June
12	Chilly	Mar-Apr	Apr-may	June-July
13	Ginger	Apr-may	N/A	Oct-Nov
14	Turmeric	Apr-may	N/A	Oct-Nov
15	Summer squash	May-June	N/A	Aug-Sep
16	Onion	Oct-Nov	N/A	May-June
17	Potato	Feb-Mar	N/A	June-July
18	Wheat	Oct-Nov	N/A	Apr-may
19	Lentil	Oct-Nov	N/A	Apr-may
20	Urad	May-June	N/A	Sep-Oct
21	Gahat	May-June	N/A	Oct-Nov
22	Rajma	May-June	N/A	Oct-Nov
23	Soybean	May-June	N/A	Oct-Nov

I. Base line -Markets in Project area *(Explain the tabular information in the form of text)*

S. N.	Name of Market in project area	No. of RV linked to the market	Total Population of RV linked to market
1	Thatyur	25	5200
2	Nainbagh	26	5400
3	Kempty	22	4500

J. Market wise distribution of various shops *(Explain the tabular information in the form of text)*

S.N.	Name of Market in project area	Fruits and vegetable shop	Ration shops (cereals/Pulses/oilseeds)	Restaurant	Hotels	Others shops(if any, name it)
1	Thatyur	14	35	12	4	1 (Cooperative Shop)
2	Nainbagh	12	32	14	7	
3	Kempty	8	18	40	24	

K. Market wise Supply of Produce *(Explain the tabular information in the form of text)*

S.N.	Name of Market in project area	Vegetables	Fruits	Pulses	Cereals	Oilseeds
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		From local	From outside	from local	From outside	from local	From outside	From local	From outside	from local	From outside
1	Thatyur	250	1800	35	450	200	350	8	850	0	125
2	Nainbagh	220	1600	30	430	170	320	5	820	0	120
3	Kempty	150	1200	20	380	150	260	120	550	0	140

Agribusiness Plan

A) Production Plan

Crop planning & Input Support plan -for Year 2017-18

S.N.	Crop	Area (ha)	Input requirement analysis		Estimated Production(qt)	Estimated Sale Value (Lakhs)	Specify Kharif /Rabi /Zaid
			Seed(kg)	(Others inputs like Fertilizer, pesticide etc. in lt/kg)			
1	Agriculture crops						
a)	Cereal crops / millets						
	1 Maize	8	160	4 lt	280	201600	Kharif
	2 Finger millet	2	20	1.5 lt	35	28000	Kharif
	3 Barnyard millet	1.5	15	1.5 lt	27	21600	Kharif
b)	Pulse crops						
	1 Urd	2	30	2.5 lt	32	128000	Kharif
	2 Gahat	3	75	3.5 lt	33	181000	Kharif
	3 Pigeon pea	8	160	12.5 lt	112	448000	Kharif
	4 Lentil	12	480	15.5 lt	120	480000	Rabi
c)	Oilseed crops						
	1 Mustard	8	64	11.5 lt	56	196000	Rabi
	2 Toria	4	20	5.5 lt	16	44800	Rabi
2	Horticulture crop						
a)	Vegetable crop						
	1 Pea	20	2000	40 lt	1240	2232000	Rabi
	2 Cabbage	10	5	25 lt	320	160000	Rabi
	3 Radish	8	40	12 lt	224	89600	Rabi
	4 Carrot	4	20	8 lt	120	72000	Rabi
	5 Cauliflower	1	0.5	1.5 lt	28	14000	Rabi
	6 Tomato	15	7.5	5.5 lt	1350	1687500	Kharif
	7 Cucumber	5.4	13.5	6 lt	216	108000	Kharif
	8 Brinjal	7	3.5	4.5 lt	525	262500	Kharif

	9 French beans	6	1200	5.5 lt	330	198000	Kharif
	10 Capsicum	16	8	8 lt	880	1100000	Kharif
b)	Spice crop						
	1 Garlic	8	4700	12 lt	784	1960000	Rabi
	2 Coriander	10	250	5 lt	150	150000	Rabi
	3 Chilly	12	6	15 lt	720	900000	Kharif
	4 Ginger	4.6	6900	8 lt	253	506000	Kharif
Total							

Crop planning & Input Support plan -for Year 2018-19							
S.N.	Crop	Area (ha)	Input requirement analysis		Estimated Production(qt)	Estimated Sale Value (Lakhs)	Specify Kharif /Rabi /Zaid
			Seed(kg)	(Others inputs like Fertilizer, pesticide etc. in lt/kg)			
1	Agriculture crops						
a)	Cereal crops / millets						
	1 Maize	12	240	6 lt	480	432000	Kharif
	2 Finger mallet	4	40	3 lt	72	57600	Kharif
	3 Barnyard millet	3	30	3.5 lt	60	48000	Kharif
b)	Pulse crops						
	1 Urd	4	60	10.5 lt	68	272000	Rabi
	2 Gahat	5	125	8.5 lt	60	330000	Kharif
	3 Pigeon pea	12	240	16.5 lt	192	759000	Kharif
	4 Lentil	14	560	18.5 lt	154	616000	Rabi
c)	Oilseed crops						
	1 Mustard	10	80	15.5 lt	80	200000	Rabi
	2 Toria	6	30	9.5 lt	30	60000	Rabi
2	Horticulture crop						
a)	Vegetable crop						
	1 Pea	25	2500	45 lt	1625	2437500	Rabi

	2 Cabbage	12	6	30 kg	408	204000	Rabi
	3 Radish	10	50	15 lt	290	116000	Rabi
	4 Carrot	6	30	10 lt	186	111600	Rabi
	5 Cauliflower	4	2	4.5 kg	130	78000	Rabi
b)	Spice crop						
	1 Garlic	7	4200	9 kg	707	1767500	Rabi
	2 Ginger	5	7500	8.5 kg	290	580000	Kharif
	3 Chilly	16	8	20.5 kg	976	1220000	Kharif
Total							

Crop planning & Input Support plan -for Year 2019-20							
S.N.	Crop	Area (ha)	Input requirement analysis		Estimated Production(qt)	Estimated Sale Value (Lakhs)	Specify Kharif /Rabi /Zaid
			Seed(kg)	(Others inputs like Fertilizer, pesticide etc. in lt/kg)			
1	Agriculture crops						
a)	Cereal crops / millets						
	1 Maize	14	280	7.5 kg	588	511200	Kharif
	2 Finger millet	6	60	6.5 lt	120	96000	Kharif
	3 Barnyard millet	4	40	5.5 lt	88	70400	Kharif
b)	Pulse crops						
	1 Urd	6	90	12.5 kg	108	432000	Rabi
	2 Gahat	6	150	10.5 lt	78	429000	Kharif
	3 Pigeon pea	13	260	17.5 lt	221	884000	Kharif
	4 Lentil	15	600	19.5 lt	180	640000	Rabi
c)	Oilseed crops						
	1 Mustard	12	96	18.5 lt	102	255000	Rabi
	2 Toria	8	40	12.5 lt	44	88000	Rabi

2	Horticulture crop						
a)	Vegetable crop						
	1 Pea	26	2600	47 lt	1716	2574000	Rabi
	2 Cabbage	14	7	32 kg	490	245000	Rabi
	3 Radish	12	60	18 lt	360	216000	Rabi
	4 Carrot	8	40	12.5 lt	256	153600	Rabi
	5 Cauliflower	6	3	6.5 kg	198	118800	Rabi
b)	Spice crop						
	1 Ginger	6	9000	9.5 lt	360	720000	Kharif
	2 Chilly	18	9	21.5 lt	1116	1395000	Kharif
Total							

Crop planning & Input Support plan -for Year 2020-21							
S.N.	Crop	Area (ha)	Input requirement analysis		Estimated Production(qt)	Estimated Sale Value (Lakhs)	Specify Kharif /Rabi /Zaid
			Seed(kg)	(Others inputs like Fertilizer, pesticide etc. in lt/kg)			
1	Agriculture crops						
a)	Cereal crops / millets						
	1 Maize	16	320	8.5 kg	688	617400	Kharif
	2 Finger millet	8	80	8.5 lt	168	134400	Kharif
	3 Barnyard millet	5	50	6.5 lt	115	42000	Kharif
b)	Pulse crops						
	1 Urd	7	105	7.5 kg	133	532000	Rabi
	2 Gahat	8	200	12.5 lt	108	594000	Kharif
	3 Pigeon pea	14	280	18.5 lt	245	980000	Kharif
	4 Lentil	16	640	20.5 lt	200	800000	Rabi
c)	Oilseed crops						

	1 Mustard	14	112	19.5 lt	126	315000	Rabi
	2 Toria	9	45	13.5 lt	54	108000	Rabi
2	Horticulture crop						
a)	Vegetable crop						
	1 Pea	28	2800	49.5 lt	1876	2814000	Rabi
	2 Cabbage	16	8	34 kg	576	288000	Rabi
	3 Radish	14	70	20.5 lt	427	170800	Rabi
	4 Carrot	9	45	13.5 kg	297	178200	Rabi
	5 Cauliflower	8	4	8.5 kg	264	132000	Rabi
b)	Spice crop						
	1 Ginger	8	12000	10.5 lt	492	984000	Kharif
	2 Chilly	20	10	22.5 lt	1250	1562500	Kharif
Total							

B. Postharvest Plan

A) Collection center plan-*(Explain the tabular information in the form of text)*

Division	Units	Collection center (Location)	Name of RV linked
Thatyur	Thatyur	Khyarsi	Kyari, Lalotana, Tikri, Khyarshi, Takarna, Chadogi, Gaid, Thal, Buradi, Sadab, Bel, Parogi.
		Thatyur	Tewa, Bangsheel, Moldhar, Auntan, Thik, Odarshu, Kinshu, Khera Talla, Khera Malla, Chakpot, Bhunyasari, Kakdu. Budkot, Pujaldi, Sirsh, Airi, Thatyur, Agyarna, Kapulta, Matulisera, Papra.
	Nainbagh	Pantwari	Rampur nigyana, Binao, Tandwangao, Gharada, Akhuli, Khatuad, Jhengari, Srikot, Bhatwari, Basangao, Bistonsi, Aindi, Bhandasari, Pawet, Mair, Kasangao, Tangari, Pantwari, Kodi.
		Nainbagh	Ghorakhuri, Ghera, Sautiyalgao, Masras, Thureti, Maughi, Chandwangao.
	Kempty	Kempty	Banglo ki kandi, Talogi, Dhargao, Rayatgao, Lagwalgao, Rangao, Dawla.
		Bhatoli	Bhatoli, Banogi, Chamya, Jethu ki kandi, Sainji, Pali, Bhediyan, Gaokhet, Sartali, Kason.

B) Postharvest support (Value addition)

a) As fresh produce marketing(Explain the tabular information in the form of text)

Value addition for fresh marketing							
Name of crop	Targeted Produce for fresh marketing*	Approx. volume for fresh sale	Collection center location (Name)	No. of RVs linked	Distance of Collection center		No. of FIG's linked
					from Villages(as Average)	from nearby Road head	
Pea	Pea		Thatyur, Khyarsi, Nainbagh,Pantwari	59	10-15	10-12	61
Cabbage	Cabbage		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	88
Radish	Radish		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	88
Carrot	Carrot		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	88
Garlic	Garlic		Thatyur, Khyarsi, Nainbagh, Pantwari.	59	12-15	10-12	61
Cauliflower	Cauliflower		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	81
Ginger	Ginger Bulb		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	88
Chilly	Green Chilly		Thatyur, Khyarsi, Nainbagh, Pantwari, Bhatoli, Kempty.	76	15-18	12-15	88

*Mention post-harvest handling initiatives

b) Processing center plan-*(Explain the tabular information in the form of text)*

Division	Unit	Processingcenter (Location)	Name of RV linked
Thatyur	Thatyur	Khyarsi, Kyari,	33
	Kempty	Bhatoli	17
	Nainbagh	Pantwari	26

c) Processed products plan*(Explain the tabular information in the form of text)*

Name of Raw Produce	Final Product	Targeted Production during project period(qt)	Sale value (lakhs)	Market targeted
Buransh	Juice	5000 lt.	300000	Mussoorie, Kempty, Thatyur, Chamba, Dehradun, Tehri, Vikasnagar, Rishikesh, Haridwar Etc.
Mint	Juice	1000	60000	=do=
Bel	Juice	1500	105000	=do=
Amla	Juice	1500	90000	=do=
Garlic	Pickel	3	24000	=do=
Jack Fruit	Pickel	2	16000	=do=
Mango	Pickel	4	32000	=do=
Amla	Pickel	2	16000	=do=
Chilly	Pickel	2	16000	=do=
Mushroom	Pickel	2	16000	=do=
Finger Millet	Flour	10	35000	Vikasnagar, Dehradun, Mussoorie Etc.
Maize	Flour	10	35000	Vikasnagar, Dehradun, Mussoorie Etc.
Paddy	Red Rice	5	25000	Vikasnagar, Dehradun, Mussoorie Etc.
Sesame	Oil	5000 lt.	600000	Yamnotri Route-Kempty, Nainbagh, Damta, Naugaon, Kharshali Gangotri Route-Chamba, Chiniyalisaur, Uttarkashi,

d) Requirements for processing unit (Tools/equipment's& infrastructure etc.)*(Explain the tabular information in the form of text)*

Particulars/items	Quantity	Unit cost (Rs)	Total cost (Lakhs)
Oil expeller Machine	1	120000	120000
Oil Bottle	5000	20	100000
Carton	300	15	4500
Drum	5	500	2500
Drum (Storage)	20	500	10000
Pickel Jar	3000	12	36000
Juice Extractor Machine	2	90000	180000
Plastic Crates	500	400	200000
Weighing Machine	6	2000	12000
Rice crusher Machine	1	120000	120000

e) Works under the -Post harvest-civil works &Goods:-*(Explain the tabular information in form of text)*

Item	Physical works targeted	Financial (Lakhs)
a)Post harvest -Small civil works	6	30
b)Post harvest -Goods	150	15

f) Works under Pilot fund Project*(Explain the tabular information in form of text)*

Item	Physical works targeted	Financial(Lakhs)
Pilot Fund Support		

**Any other innovative intervention proposed regarding logistics arrangements /supply chain management, Value addition and marketing can be planned under pilot fund. (Give detail planning, if any)*

C. Institutional Strengthening

C)Capacity building plan

A. Trainings- *(Explain the tabular information in the form of text)*

Unit Level Trainings			
Division	unit	Trainings proposed	No. of members
Thatyur	Thatyur	2	140
Thatyur	Kempty	2	112
Thatyur	Nainbagh	2	104

Division Level Trainings			
Division	unit	Trainings proposed	No. of members
Thatyur	Thatyur	1	70
Thatyur	Kempty	1	56
Thatyur	Nainbagh	1	52

B.Exposure (*Explain the tabular information in the form of text*)

1)Exposure tour with in state				
Division	No. of exposure	Venue	No. of days	No. of beneficiaries
Thatyur	1	Gairsan	3	25
Thatyur	1	Chamba	3	25
Thatyur	1	Naugaun	3	25
Thatyur	3	Kisan Mela Tehri	2	34

2.Exposure tour Outside state				
Division	No. of exposure	Venue	No. of days	No. of beneficiaries
Thatyur	1	Shimla	5	17
Thatyur	1	Shimla	5	17