

# **Initiative for Nutritional Security through Intensive Millets Promotion (INSIMP)**

## **Operational Guidelines**

Government has announced an allocation of Rs. 300 crores in 2011-12 under Rashtriya Krishi Vikas Yojana for promotion of millets as Nutri-cereals. Scheme on Initiative for Nutrition Security through Intensive Millets Promotion has been formulated to operationalize the announcement. The scheme aims to demonstrate the improved production and post-harvest technologies in an integrated manner with visible impact to catalyze increased production of millets in the country. Besides increasing production of millets, the Scheme through processing and value addition techniques is expected to generate consumer demand for millet based food products. The Scheme will be implemented from Kharif 2011.

## **2. Production programme:**

Technology demonstrations in compact blocks would be organized in selected districts for four categories of millets – Sorghum, Pearl millet, Finger millet and Small millets.

### **2.1 Organizing demonstrations:**

2.1.1 The districts with large crop area under millets (more than 10,000 ha area under sorghum & pearl millet, or more than 5,000 ha under finger millet or more than 2,000 ha area under small millets namely; barnyard, kodo, kutki, foxtail and proso) but with productivity less than that of the National Average Yield could be taken up for active promotion of production technologies through block demonstrations. However, in case of small millets, which have low productivity in general and are taken by resource poor tribal farmers in remote interior areas, production programme would be organized in all the identified districts irrespective of their productivity levels.

2.1.2 It is proposed to organize production programme in all 1118 units each with contiguous area of 1000 hectares for Sorghum / Pearl millet crops, 500 hectares for Finger millet crops or 200 hectares for small millets in the identified districts during 2011-12. Panchayati Raj Institutions would be involved in the selection of village units including the participating farmers. Details of crop and district-wise units is given in **Annexure-I**.

2.1.3 However, states would be given freedom to select the INSIMP unit based on availability of contiguous area in various villages of different blocks of the selected districts. Accordingly, the State would furnish a final list of districts as well as blocks in each district where INSIMP will be implemented.

### **2.2 Provisioning of inputs:**

2.2.1 Technology demonstration kits of critical inputs of nutrients and plant protection measures comprising of micro-nutrients, fungicides and bio-fertilizers, DAP, urea, potash and pesticides including weedicides at a total cost of Rs. 3,000/- per ha for sorghum, pearl millet and finger millet and Rs. 2,000/- per ha for small millets would be supplied to all the farmers in the units. These kits would be supplied free of cost to the beneficiary farmers subject to maximum area of 2 hectare. The tentative content of the kit for one hectare is given below in Table-1.

Table-1: Provision of inputs under INSIMP for one ha as 100% assistance.

Quantity in Kg/ha; Cost in Rupees.

Input	Sorghum		Pearl millet		Finger millet		Small millets	
	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
Micro-nutrients	25	1000	25	1000	12.50* 5.00+	1000	-	-
PSB/Azotobactor	3 pkts	75	3 pkts	75	3 pkts	75	3 pkts	75
Seed treatment	-	50	-	50	-	50	-	50
DAP	50	525	50	525	50	525	55	580
Urea	80	450	80	450	80	450	55	305
Potash	0	0	0	0	40	290	0	290
Weedicide	-	500	-	500	-	210	-	500
PP chemicals	-	400	-	400	-	400	-	200
<b>Total</b>		<b>3000</b>		<b>3000</b>		<b>3000</b>		<b>2000</b>

\* Zinc Sulphate; + Boron.

- 2.2.2 The contents of the kits are only illustrative. All the components of the kits may not be required uniformly in all the States/crops. Therefore, States in consultation with their SAUs/ICAR Institutes may modify the content of the kit as per the local situation. The overall cost of the kit shall not exceed the specified limit as detailed at para 2.2.1.
- 2.2.3 Savings on account of reduced cost of kits, if any, can be used for taking up additional area under INSIMP.
- 2.2.4 Inputs under the Scheme should be supplied timely, in advance to the beneficiary farmers and shall be used only for production of millets.
- 2.2.5 To popularize the improved varieties/hybrids of millet crops, the farmers would also be given seed minikits for 0.40 ha area for every one hectare of area covered under INSIMP (*Annexure-II*).

### 2.3 Eligibility for assistance:

The critical inputs in the form of free kits will be available to all the selected beneficiaries for area upto 2 hectares each.

## 3. Seed production:

- 3.1 To promote new varieties/hybrids and to augment the availability of seed and to make the cost affordable to the farmers, it is proposed to provide an incentive of Rs. 3,000/- per quintal for hybrid and Rs. 1000/per quintal HYVs, of which 75% incentive would be passed on to the farmers and 25% to the seed producing agencies towards their handling and processing charges.
- 3.2 The hybrids/varieties released during last 5 years would only qualify for the assistance.
- 3.3 Seed production may be organised both under public and private sectors. Total outlay for seed production under the Scheme is given below in Table-2.

Table-2: Financial assistance for seed production of millets

Crop	Area in Lakh ha (2008-09)	Total seed required (Quintals)	Proposed seed production	
			15% of total requirement	Amount Rupees in Crores
Sorghum	75.31	7,53,100	112965	11.30
Pearl millet	87.53	4,37,650	65648	19.68
Finger millet	13.81	1,38,100	20715	2.07
Small millets	9.05	90,500	13575	1.36
<b>Total</b>	<b>185.70</b>	<b>14,19,350</b>	<b>212903</b>	<b>34.41</b>

## 4. Post harvest and value addition:

To address the issue of declining consumption demand for millets, following interventions would be supported.

### 4.1 Establishing Centres of Excellence:

4.1.1 Three commodity-wise national demonstrations cum training centres would be set up at the Directorate of Sorghum Research (DSR), Hyderabad for sorghum; University of Agriculture Sciences, UAS, Bengaluru for finger millet and small millets and CCS Hisar Agriculture University, Hisar for pearl millet with the following objectives:-

- Refinement of technology, retrofitting and their demonstration.
- Providing entrepreneurship development and training.
- Facilitate market linkages between processors and producers.

4.1.2 Each of these centres would function as a Centre of Excellence for the designated crop for the purpose of technology demonstration and capacity building for increasing production, processing unit for product development and value addition.

4.1.3 These centres would be extended support on project basis, for which fund has been provisioned.

4.1.4 Wherever, it is possible, these institutes would also facilitate marketing linkages for supply of the millet products.

### 4.2 Installation of pre-processing and processing small units:

4.2.1 **Demonstration-cum-training centre:** One processing unit alongwith the services of one Technical Assistant purely on contract basis would be set up in selected 100 KVKs to serve as demonstration cum training centres for furtherance of post-harvest technologies. To utilise the full capacity of these processing unit, KVKs may levy nominal charges. A single complete post harvest processing cluster/unit at a total cost upto Rs 4.00 lakh will comprise of both primary processing (3-in-one destoner cum grader cum cleaner + Pearling machine) costing upto Rs. 2.0 lakhs and secondary processing machines ((Rava / Flaking machine – Jowar; Popping roaster- Ragi; Parboiling unit- Pearl millet) costing upto Rs 2.0 lakhs.

4.2.2 The capacity building of such KVKs would be organized at national labs and thereafter, these KVKs would organize the capacity building programme for entrepreneur /progressive farmers/NGOs, beneficiaries of post-harvest technologies.

4.2.3 These KVKs would be identified by the Directorate of Sorghum Research, Hyderabad in consultation with Project Coordinator (Pearl millet) and Project Coordinator (Small millets).

4.3.1 **Promotion of technologies:** Apart from the 100 processing units set up in KVKs' for demonstration, additional 180 such processing technologies would be made available to the local entrepreneur/progressive farmers/NGOs as an attachment to local processing units (*chakki's*) on a pilot scale basis, as has been done under NAIP project by DSR (ICAR). Initially, available prototype may be installed in the potential areas for demonstration on 100% cost basis.

4.3.2 The State-wise details of units to be set up are given in **Annexure-III**. The States may accordingly develop the district-wise list of entrepreneurs/progressive farmers/NGOs and forward it to Directorate of Sorghum Research, Hyderabad and Directorate of Millets Development, Jaipur.

4.3.3 Fund for this purpose is placed with the states and the KVKs would put up their action Plan before their respective SLSC for approval and release of fund.

## **5. Research Needs:**

- 5.1 It is proposed to establish processing clusters of sorghum in the areas where such pilot project has been implemented by DSR in collaboration with the State Department of Agriculture. These units will link production with processing, value addition and marketing in rural and urban niche health markets under the aegis of DSR on PPP mode. For this purpose, DSR may approach the respective SLSC with the action Plan for approval and release of fund.
- 5.2 The available processing technologies with CFTRI/CIPHET/SAUs of pearl millet and small millets including finger millet for product development will be collated by the concerned Project Coordinators of ICAR and necessary support would be extended for replication of these technologies on project basis by the respective SLSC.
- 5.3 Support would be extended on project basis to R&D Institutions for pilot testing and up-scaling of the technology both for grain as well as derived product of millets to improve their shelf life.
- 5.4 Baseline data on consumption and demand of millets would be generated through outsourcing of a project under operation research.
- 5.5 Studies on bioavailability of minerals in millets and their benefits would be sponsored for clinical trials on a large scale through Research Institutions like National Institute of Nutrition. Establishing scientific and empirical data for suitability of millets for climatic changes.

## **6. Awareness campaign (Media and publicity):**

The states may organise awareness campaign to promote millets as food through:

- Production of video-films and their broadcasting,
- Use of electronic media (including print media & web promotions).
- National and State events, organization of mobile millet food courts, millet food festivals millet Melas.
- Inclusion of millets in Mid-day meals and other similar programmes for women and child development.
- The States may involve SAUs/NGOs in creating awareness generation activities.
- Action plan prepared by the states for this purpose would be placed before SLSC for approval and release of fund.

## **7. Handholding support:**

Technical Assistants would be provided in each production and post-harvest clusters purely on contract basis for effective implementation of the programme. Besides, the training of selected 50 farmers including technical assistants from each unit would also be organized. The capacity building of entrepreneurs/progressive farmers/NGOs would also be supported through KVKs for post harvest management.

## **8. Institutional support:**

A well established research network comprising of the Directorate of Sorghum Research, Hyderabad; Project Coordinating Unit, Pearl millet, Mandore, Jodhpur and Project Coordinating Unit, Small millets, Bengaluru with network of their centres located across the country would be involved in implementation of the Scheme.

## **9. Release of Funds:**

- 9.1 This scheme is part of RKVY and hence release of fund will be in the pattern as followed in case of RKVY.
- 9.2 Allocation of fund to the states has already been worked out as per the criteria (**Annexure-IV**). The State Level Sanctioning Committee (SLSC) under RKVY will approve the Action plan prepared by the state under this Scheme and fund will then be released as per RKVY pattern to the state.

- 9.3 For the purpose of creation of Centres of Excellence and Research projects, fund will be released directly by DAC on project basis to the implementing agencies.

## **10. Record management:**

- 10.1 The District Agriculture Officer will maintain *panchayat wise* as well as for the district as a whole, record of area under the different kinds of millet crops grown along with their yield and production. The data base for this purpose may be made from 2005 onwards.
- 10.2 In each unit INSIMP, a hard bound register will be maintained for organizing demonstrations and supply of minikits. It will include the name, fathers/husband names, village, Panchayat Samittee/Block, category of farmer and details of inputs supplied to him. The documents will also record soil test reports, date of supply of seed/input, date of sowing.
- 10.3 A board depicting the INSIMP unit details to be displayed at each patch of the unit. The photographs at different crop stages and yield data would also be a part of record.
- 10.4 The national lab, selected KVKs, entrepreneurs/farmers/NGOs under post-harvest interventions would maintain the record of machine supplied to them with the cost of each machine, operational details with output and details activities undertaken by them. The list of these entrepreneurs and their details should also be maintained both District and State level. However, consolidated record will be maintained by DSR, Hyderabad, the nodal institution at National Level.

## **11. Monitoring:**

- 11.1 The production programme for millets would be implemented through the State Department/Commissionerate of Agriculture. The states may also take help of NABARD in involving community based organizations for implementing the program for small millets especially in the tribal areas.
- 11.2 The programmatic interventions relating to post-harvest, value addition, market linkage, research need and publicity campaign would be implemented through NAIP Centre at DSR, Hyderabad. The Head of the Agriculture Department at District Level would ensure the regular monitoring of the programme.
- 11.3 The Commodity Development Directorates of Government of India would also monitor the programme implementation in the States assigned to them. The progress of implementations would also be monitored periodically at State and National Level. A Monitoring Committee at the National Level chaired by Secretary (A&C) with DDG(Crop Sciences), Agriculture Commissioner, Joint Secretary RKVY as members and Joint Secretary (in charge INSIMP) as the convener will monitor the implementation of the Scheme at the national level. This Committee will also to approve the research projects as detailed at paras 5.3 to 5.5. Directorate of Sorghum Research would provide the technical back up for improving the quality of implementation.

## **12. Reporting system:**

The State Department of Agriculture would ensure submission of monthly progress report on implementation of production programme of INSIMP to the Joint Secretary (Incharge INSIMP), DAC, Directorate of Millets Development, Jaipur and Directorate of Sorghum Research, Hyderabad. A format for submission of monthly report would be developed and communicated to the States.

## State and crop-wise list of potential districts

## Crop: Sorghum

NAY: Kharif-992 Kg/ha; Rabi 727 Kg/ha (2006-07)

Unit: Area in ha; Yield in Kg/ha

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
1	AP	Anantpur	18000	444	1	25000	600	2
2	K-1006	Medak	26000	885	2	22000	955	
3	R-950	Mahboobnagar	58000	810	3	23000	696	2
4		Adilabad	20000	1550		57000	667	3
5		Cuddapa				13000	769	1
6		Nizamabad				10000	700	1
7		Nalgonda				11000	545	1
8	Gujarat	Banaskantha	10700	318	1			
9	K-704/R-1000	Bharuch				27300	652	2
10	Haryana	Rohtak	24000	292	2			
11	K-286	Jhajjar	26000	269	2			
12		Sonipat	12000	250	1			
13		Mewat	13000	308	1			
14	Karnataka	Bidar	58500	1324		26870	489	2
15	K-1254	Chamrajnagar	20300	665	1			
16	R-841	Chitradurga	14600	1037		28970	425	2
17		Daharwad	10400	619	1	34140	703	2
18		Gadag	10400	830	1	55870	502	3
19		Koppal	15900	692	1	32390	145	2
20	MP	Tikamgarh	11700	709	1			
21	K-1039	Chhatarpur	13800	703	1			
22		Rewa	16200	623	1			
23		Sidhi	14700	884	1			
24		Dhar	17600	830	1			
25		Jhabua	16500	818	1			
26		Guna	17500	851	1			
27		Betul	45500	919	3			
28	Maharashtra	Nandurbar	28200	268	2	31400	806	
29	K-1195	Satara	59300	634	3	144100	804	
30	R-651	Sangli	113900	758	6	139600	587	7
31		Beed	50800	1087		251100	712	13
32		Osmanabad	72900	733	4	237500	731	
33		Nanded	170100	953	9	31700	861	
34		Parbhani	88400	880	5	182400	879	
35		Hingoli	52200	1021		20900	565	2
36		Yeotmal	83500	982	5			
37		Wardha	15600	853	1			
38		Nasik				12000	700	1
39		Ahmednagar				528400	519	27
40		Pune				455600	512	23
41		Solapur				711300	481	36
42		Chandrapur				16300	429	1

## Annexure-I (Sorghum contd...)

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
43	Rajasthan	Ajmer	149400	588	8			
44	K-556	Alwar	28500	706	2			
45		Bharatpur	53000	622	3			
46		Jodhpur	45100	435	3			
47		Nagaur	53800	413	3			
48		Pali	107800	515	6			
49		Tonk	72800	292	4			
50		Bhilwara	38000	881	2			
51		Chittorgarh	10300	771	1			
52	Tamilnadu	Selam	15700	780	1			
53	K+R: 999	Coimbatore	79200	778	4			
54		Tiruchirapalli	30900	696	2			
55		Karur	27600	465	2			
56	U.P.	Hamirpur	28590	555	2			
57	K-1030	Banda	26680	739	2			
58		Chitrakut	16070	628	1			
59		Raebareli	11170	855	1			
<b>TOTAL</b>					<b>109</b>			<b>133</b>

**Crop: Pearl millet (NAY: 886 Kg/ha (2006-07))**

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
1	Gujarat	Ahmedabad	23500	695	2			
2	K-940	Banaskantha	193400	199	10	81200	2194	
3	S-1861	Kheda	46900	588	3	14400	2493	
4		Mehsana	56200	379	3	15700	2565	
5		Patan	91600	236	5			
6		Sabarkantha	10500	251	1	12300	2343	
7		Rajkot	29900	681	2			
8	Karnataka	Bagalkot	39194	651	2			
9	K-600	Belgaum	30036	345	2			
10		Bellary	15831	597	1			
11		Bijapur	95656	582	5			
12		Gulberga	65636	702	4			
13		Koppal	69097	258	4			
14		Raichur	57333	356	3			
15	M.P (1368)	Jhabua	17300	583	1			
16	Maharashtra	Nasik	258500	725	13			
17	K-729	Nandurbar	13200	631	1			
18		Ahmednagar	243900	611	13			
19		Pune	128900	631	7			
20		Solapur	27500	280	2			
21		Satara	84500	292	5			
22		Sangli	92700	378	5			
23		Beed	184100	837	10			
24		Osmanabad	20000	510	1			

## Annexure-I (Pearl millet) contd...

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
25	Rajasthan K-701	Ajmer	86479	810	5			
26		Bikaner	171921	152	9			
27		Churu	430403	360	22			
28		Jaisalmer	101758	18	6			
29		Jodhpur	509544	233	26			
30		Barmer	933271	151	47			
31		Nagaur	461777	745	24			
32		Jalore	358458	831	18			
33		Pali	96222	687	5			
34		Sirohi	24227	507	2			
35		Tonk	52970	861	3			
36	Tamilnadu	Villupuram	12463	777	1			
37	K-1511	Thoothukuddi	29059	958	2			
38	U.P.(1455)	Pratapgarh	11298	882	1			
<b>TOTAL</b>					<b>276</b>			

**Crop: Finger millet (NAY: 1226 Kg/ha (2006-07))**

Unit: Area in ha; Yield in Kg/ha

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
1	A.P. K-1085	Vishakhapatnam	29000	862	6			
2	C.garh K-278	Bastar	5400	272	2			
3	Gujarat K-647	Dang	10100	1161	3			
4		Valsad	9400	840	2			
5	Jharkhand K-737	Gumla	10400	631	3			
6		Ranchi	5000	814	1			
7	Karnataka K+R 1347	Bangaluru (U)	23136	1029	5			
8		Davangere	23050	1154	5			
9		Tumkur	115688	982	22			
10	Maharashtra K-904	Thane	15800	806	4			
11		Raigad	10100	735	3			
12		Ratnagiri	17800	1149	4			
13		Nasik	36000	761	8			
14		Pune	13800	685	3			
15	Orissa K-663	Ganjam	16146	825	4			
16		Koraput	25312	712	6			
17		Rayagada	9114	820	2			
18	Sikkim	East	1600	950	1			
19		West	1700	947	1			
20	TN(1552)	Krishnagiri	47211	1147	10			
21	Uttarakhand K-1368	Pauri Garwal	29700	1068	6			
22		Almora	34300	979	7			
23	West Bengal	Darjeeling	11293	1200	3			
<b>TOTAL</b>					<b>111</b>			

**Crop: Small millets {NAY: 475 Kg/ha (2006-07)}**

Unit: Area in ha; Yield in Kg/ha

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
<b>(1) Barnyard millet</b>								
1	Chhattisgarh	Dantewada	5790	321	3			
2		Sarguja	6530	250	4			
3		Korea	2070	287	2			
4	M.P.	Chindwara	2250	429	2			
5		Seoni	5320	373	3			
6		Sidhi	13700	384	7			
7		Jhabua	2940	229	2			
8		Betul	3490	426	2			
9	Maharashtra	Nasik	2000	425	1			
10	Tamilnadu	Madurai	3803	569	2			
11		Virudhunagar	1950	517	1			
12	Uttar Pradesh	Sonbhadra	13750	677	7			
13	Uttarakhand	Chamoli	2730	1372	2			
14		Pauri Garwal	19280	1072	10			
15		Rudra Prayag	2590	1146	2			
16		Tehri Garwal	18250	1250	10			
17		Uttar Kashi	2610	1246	2			
18		Almora	15760	996	8			
<b>TOTAL</b>					<b>70</b>			
<b>(2) Kodo millet</b>								
1	Chhattisgarh	Raipur	3900	122	2			
2		Durg	8640	192	5			
3		Rajnandgaon	20700	234	11			
4		Kabirdham	18240	243	10			
5		Bastar	14100	196	8			
6		Kanker	12600	195	7			
7		Dantweada	29580	169	15			
8		Bilaspur	4440	256	3			
9		Sarguja	5520	222	3			
10		Korea	4440	224	3			
11		Jashpur	4440	279	3			
12	M.P.	Jabalpur	7698	296	4			
13		Katni	4002	215	2			
14		Balaghat	7620	396	4			
15		Chindwara	16880	174	9			
16		Seoni	12315	175	7			
17		Mandla	27078	220	14			
18		Dindori	28440	212	15			
19		Narsinghpur	2022	297	1			
20		Rewa	7360	312	4			
21		Sidhi	33433	280	17			
22		Satna	5520	285	3			
23		Sahdol	25460	290	13			
24		Umaria	12522	283	7			
25		Khandwa	1698	212	1			
26		Betul	9440	180	5			
27		Anuppur	3285	345	2			
28	Maharashtra	Nasik	2000	425	1			
29	Tamilnadu	Cuddalore	3130	1273	2			
30		Villupuram	2340	1698	2			
31	U.P.	Sonbhadra	5530	705	3			
<b>TOTAL</b>					<b>186</b>			

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
<b>Little millet</b>								
1	A.P.	Vishakhapatnam	21000	460	11			
2		Chittor	2000	333	1			
3	Chhattisgarh	Raipur	2600	122	2			
4		Durg	5760	192	3			
5		Rajnandgaon	13800	234	7			
6		Kabirdham	12160	243	7			
7		Bastar	9400	196	5			
8		Kanker	8400	195	5			
9		Dantweada	19720	169	10			
10		Bilaspur	2960	256	2			
11		Sarguja	3680	222	2			
12		Korea	2960	224	2			
13		Jashpur	2960	279	2			
14	Jharkhand	Ranchi	*		1			
15		Palamu	*		1			
16		Garhwa	*		1			
17		Gumla	*		1			
18	Karnataka	Belgaum	3260	875	2			
19		Chitradurga	5840	476	3			
20		Dharwad	3500	829	2			
21		Haveri	10550	897	6			
22		Tumkur	2000	567	1			
23	M.P.	Jabalpur	5132	296	3			
24		Katni	2668	215	2			
25		Balaghat	5080	396	3			
26		Chindwara	25320	174	13			
27		Seoni	14315	175	8			
28		Mandla	18052	220	9			
29		Dindori	18960	212	10			
30		Sidhi	16467	280	9			
31		Sahdol	12540	290	7			
32		Umaria	8348	283	5			
33		Betul	22030	180	11			
34		Anuppur	3285	345	2			
35	Maharashtra	Nasik	*		1			
36	Orissa	Bolangir	*		1			
37		Korapur	*		1			
38		Rayagada	*		1			
39		Mayurbhanj	*		1			
40		Sundergari	*		1			
41	Tamilnadu	Vellore	3710	500	2			
42		Thiruvannamali	4510	508	3			
43		Dharmapur	31710	683	16			
44		Krishnagiri	2970	770	2			
<b>TOTAL</b>					<b>188</b>			

## Annexure-I-Small millets contd...

Sl. No.	State and SAY	District	Kharif		Proposed Unit	Rabi/Summer		Proposed Unit
			Area	Yield		Area	Yield	
<b>Foxtail millet</b>								
1	Ar. Pradesh	West Siang	2553	830	2			
2		East Siang	2230	1150	2			
3		Tirap	4470	810	3			
4		Changland	2020	800	1			
5	AP	Kurnool	17000	725	9			
6		Mahboobnagar	2000	325	1			
7	Gujarat	Valsad	*		1			
8		Dang	*		1			
9		Patan	*		1			
10		Banaskantha	*		1			
11	Karnataka	Belgaum	1710	210	1			
12		Bellary	12200	355	7			
13		Chitradurga	5690	328	3			
14		Koppal	7910	555	4			
15	M.P.	Seoni	3259	289	2			
16	Maharashtra	Nasik	*		1			
<b>TOTAL</b>					<b>40</b>			
<b>Proso millet</b>								
1	Maharashtra	Thane	*		1			
2		Raigad	*		1			
3		Nasik	*		1			
4		Dhule	*		1			
5		Pune	*		1			
<b>TOTAL</b>					<b>5</b>			
<b>TOTAL SMALL MILLETS UNITS</b>					<b>489</b>			

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## State and crop-wise details of financial requirement for minikits

State	Crop-wise number of minikits					Cost (Rs. in Lakhs.)				
	Jowar	Bajra	Ragi	SM	Total	Jowar	Bajra	Ragi	SM	Total
Ar. Pradesh	0	0	0	1600	1600	0.00	0.00	0.00	3.20	3.20
AP	16000	0	3000	4400	23400	32.00	0.00	6.00	8.80	46.80
Chhattisgarh	0	0	1000	25200	26200	0.00	0.00	2.00	50.40	52.40
Gujarat	3000	26000	2500	800	32300	6.00	65.00	5.00	1.60	77.60
Haryana	6000	0	0	0	6000	12.00	0.00	0.00	0.00	12.00
Jharkhand	0	0	2000	800	2800	0.00	0.00	4.00	1.60	5.60
Karnataka	15000	21000	16000	5800	57800	30.00	52.50	32.00	11.60	126.10
MP	10000	1000	0	41600	52600	20.00	2.50	0.00	83.20	105.70
Maharashtra	145000	57000	11000	1800	214800	290.00	142.50	22.00	3.60	458.10
Orissa	0	0	6000	1000	7000	0.00	0.00	12.00	2.00	14.00
Sikkim	0	0	1000	0	1000	0.00	0.00	2.00	0.00	2.00
Rajasthan	32000	167000	0	0	199000	64.00	417.50	0.00	0.00	481.50
TN	9000	3000	5000	6000	23000	18.00	7.50	10.00	12.00	47.50
UP	6000	1000	0	2000	9000	12.00	2.50	0.00	4.00	18.50
Uttarakhand	0	0	6500	6800	13300	0.00	0.00	13.00	13.60	26.60
WB	0	0	1500	0	1500	0.00	0.00	3.00	0.00	3.00
<b>Total</b>	<b>242000</b>	<b>276000</b>	<b>55500</b>	<b>97800</b>	<b>671300</b>	<b>484.00</b>	<b>690.00</b>	<b>111.00</b>	<b>195.60</b>	<b>1480.60</b>

(1) One minikit is for 0.40 ha for each ha of programme.

(2) The size and cost of minikit for pearl millet would be 1.5 Kg per kit @Rs. 250/- and for remaining millets (sorghum, finger millet and small millets) would be 4 Kg per kit @ Rs. 200/- .

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## Financial requirement for post harvest clusters for value addition of millets

States	Number of processing units					Number of KVKs	Cost of manpower for 8 months (Rs. in lakhs)		
	Jowar	Bajra	Small millets	Ragi	Total		TAs in clusters	TAs in KVKs	Total
Andhra Pradesh	20	10	0	5	35	15	32	12	44
Maharashtra	30	10	5	5	50	20	48	16	64
Karnataka	20	10	5	10	45	20	40	16	56
Rajasthan	10	30	0	0	40	20	32	16	48
Haryana	0	20	0	0	20	10	16	8	24
Gujarat	0	20	0	0	20	-	32	0	32
Madhya Pradesh	10	0	10	0	20	5	24	4	28
Tamilnadu	10	10	0	5	25	5	32	4	36
Uttrakhand	0	0	5	5	10	5	8	4	12
Uttar Pradesh	0	10	5	0	15	0	24	0	24
<b>Total</b>	<b>100</b>	<b>120</b>	<b>30</b>	<b>30</b>	<b>280</b>	<b>100</b>	<b>288</b>	<b>80</b>	<b>368</b>
Cost per unit in lakhs	4	4	2	4	-	-	-	-	-
<b>Total cost Rs. in Lakh</b>	<b>400</b>	<b>480</b>	<b>60</b>	<b>120</b>	<b>1060</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1060</b>
<b>Total cost of the component</b>									<b>1428</b>

\* The cost of Technical Assistant(TA) would be Rs. 8,000/- per month for 8 months.

\* Processing unit comprises of both primary (3 in one cleaner cum destoner cum grader & dehuller) and secondary processing machines (rava & flaking, popping floor roaster & parboiling machinery) for sorghum, pearl millet and finger millet. In case of small millets only primary processing unit is proposed to begin with

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**Annexure-IV**

**State-wise break-up of physical targets and financial allocation for INSIMP**

Unit: Cost Rs. in Lakhs.

Sl. No.	States	Crop-wise area targets (ha)					% of target area	Minikits (Nos.)		Minikit cost		
		Jowar (J)	Bajra (B)	Ragi (R)	Small millets (SM)	Total		Hybrid	Var.	Hybrid	Var.	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Ar. Pradesh	0	0	0	1600	1600	0.2	0	1600	0	3	3
2	AP	16000	0	3000	4400	23400	3.5	0	23400	0	47	47
3	Chhattisgarh	0	0	1000	25200	26200	3.9	0	26200	0	52	52
4	Gujarat	3000	26000	2500	800	32300	4.8	26000	6300	65	13	78
5	Haryana	6000	0	0	0	6000	0.9	0	6000	0	12	12
6	Jharkhand	0	0	2000	800	2800	0.4	0	2800	0	6	6
7	Karnataka	15000	21000	16000	5800	57800	8.6	21000	36800	53	74	126
8	MP	10000	1000	0	41600	52600	7.8	1000	51600	3	103	106
9	Maharashtra	145000	57000	11000	1800	214800	32.0	57000	157800	143	316	458
10	Orissa	0	0	6000	1000	7000	1.0	0	7000	0	14	14
11	Sikkim	0	0	1000	0	1000	0.1	0	1000	0	2	2
12	Rajasthan	32000	167000	0	0	199000	29.6	167000	32000	418	64	482
13	TN	9000	3000	5000	6000	23000	3.4	3000	20000	8	40	48
14	UP	6000	1000	0	2000	9000	1.3	1000	8000	3	16	19
15	Uttarakhand	0	0	6500	6800	13300	2.0	0	13300	0	27	27
16	WB	0	0	1500	0	1500	0.2	0	1500	0	3	3
<b>TOTAL</b>		<b>242000</b>	<b>276000</b>	<b>55500</b>	<b>97800</b>	<b>671300</b>	<b>100.0</b>	<b>276000</b>	<b>395300</b>	<b>690</b>	<b>791</b>	<b>1483</b>

Sl. No.	States	Cost of inputs			Cost of TAs/ Trg.		Total of P.P.	Seed production					
		J+B+R	SM	Total	TAs	Trg.		Physical (Quintals)			Financial		
								Hy.	Var.	Total	Hy.	Var.	Total
1	2	14	15	16	17	18	19	20	21	22	23	24	25
1	Ar. Pradesh	0	32	32	4	20	59	0	222	222	0	2	2
2	AP	570	88	658	21	110	836	0	9199	9199	0	92	92
3	Chhattisgarh	30	504	534	61	320	967	0	3871	3871	0	39	39
4	Gujarat	945	16	961	18	95	1152	6184	2445	8629	186	24	210
5	Haryana	180	0	180	3	15	210	0	2801	2801	0	28	28
6	Jharkhand	60	16	76	4	20	106	0	858	858	0	8	8
7	Karnataka	1560	116	1676	47	243	2092	4995	13779	18774	150	138	288
8	MP	330	832	1162	105	548	1921	238	10440	10678	7	104	111
9	Maharashtra	6390	36	6426	112	583	7579	13557	72051	85608	406	721	1127
10	Orissa	180	20	200	8	43	265	0	2378	2378	0	24	24
11	Sikkim	30	0	30	1	5	38	0	373	373	0	4	4
12	Rajasthan	5970	0	5970	96	498	7046	39722	14930	54652	1191	149	1340
13	TN	510	120	630	25	130	833	714	6900	7614	21	69	90
14	UP	210	40	250	8	43	320	238	3078	3316	7	31	38
15	Uttarakhand	195	136	331	23	118	499	0	3370	3370	0	34	34
16	WB	45	0	45	1	8	57	0	560	560	0	6	6
<b>TOTAL</b>		<b>17205</b>	<b>1956</b>	<b>19161</b>	<b>537</b>	<b>2799</b>	<b>23980</b>	<b>65648</b>	<b>147255</b>	<b>212903</b>	<b>1968</b>	<b>1473</b>	<b>3441</b>

**Annexure-IV: State-wise break-up of physical targets and financial allocation for INSIMP contd....**

Sl. N.	States	Crop-wise targets of PHT clusters					No. of KVKs	Cost of PHT cluster			Cost of TAs		Total PHT	Awar-ness	Grand Total
		Jowar	Bajra	Ragi	SM	Total		J+B+R	SM	Total	Clusters	KVKs			
1	2	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1	Ar. Pr.	0	0	0	0	0	0	0	0	0	0	0	0	1	62
2	AP	20	10	5	0	35	15	140	0	140	32	12	184	20	1132
3	C.garh	0	0	0	0	0	0	0	0	0	0	0	0	23	1029
4	Gujarat	0	20	0	0	20	0	80	0	80	32	0	112	28	1502
5	Haryana	0	20	0	0	20	10	80	0	80	16	8	104	5	347
6	J.khand	0	0	0	0	0	0	0	0	0	0	0	0	2	116
7	Kar.	20	10	10	5	45	20	160	10	170	40	16	226	51	2657
8	MP	10	0	0	10	20	5	40	20	60	24	4	88	46	2166
9	Mahara.	30	10	5	5	50	20	180	10	190	48	16	254	188	9148
10	Orissa	0	0	0	0	0	0	0	0	0	0	0	0	6	295
11	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	1	43
12	Raj.	10	30	0	0	40	20	160	0	160	32	16	208	174	8768
13	TN	10	10	5	0	25	5	100	0	100	32	4	136	20	1079
14	UP	0	10	0	5	15	0	40	10	50	24	0	74	8	440
15	Uttra.	0	0	5	5	10	5.0	20.0	10.0	30.0	8	4	42	12	587
16	WB	0	0	0	0	0	0	0	0	0	0	0	0	1	64
<b>TOTAL</b>		<b>100</b>	<b>120</b>	<b>30</b>	<b>30</b>	<b>280</b>	<b>100</b>	<b>1000</b>	<b>60</b>	<b>1060</b>	<b>288</b>	<b>80</b>	<b>1428</b>	<b>586</b>	<b>29435</b>
1	Setting up of 3 National labs (ICAR/SAU)														300
2	Research needs (ICAR/ICMR/SAUs)														200
3	Project Management Team														65
<b>PROJECT TOTAL</b>															<b>30000</b>

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