

### IIPR Project Under NFSM-Pulses

1. **Project title:-** Strengthening of breeder seed production and training infrastructure by IIPR, Kanpur and its coopting centres”.
2. **Duration :** 5 years(2007-08 to 2011-12)
3. **Total outlay:** 15.00 crores
4. **Components:**
  1. Mainly two Components namely i. strengthening of Breeder Seed Production with an outlay of Rs. 10.00 crores (2 crores per year) and strengthening of training infrastructure and organization of training with outlay of Rs. 5.00 crores for 11<sup>th</sup> plan period.
  2. The centre and su-bcomponent wise financial details as contained in detailed project Report is given as under:

(Rs in lakhs)

Sl.No	Centers	Infrastructure Development for Breeder seed production				Strengthening of training infrastructure and organization of training			G. Total
		Infra. Devel.	Revolv. fund	Contractual services	S. Total	Infrastructure development	Organization of Training	Total	
1	IIPR, Kanpur	500.00	5.00	12.00	517.00	380.00	24.00	404.0	921.0
2	NDUAT&T, Faizabad	20.00	5.00	12.00	37.00	-	-	-	37.00
3	BAU, Ranchi	25.00	5.00	12.00	42.00	-	-	-	42.0
4	OUA & T, Bhubaneswar	20.00	5.00	6.00	31.00	-	-	-	31.0
5	PORS,Berhampore(WB)	12.00	5.00	6.00	23.00	-	-	-	23.0
6	UAS, Dharwad	15.00	5.00	12.00	32.00	26.00	6.00	32.0	64.0
7	MAU, Parbhani	15.00	10.00	6.00	31.00	-	-	-	31.0
8	MPKV, Rahuri	20.00	10.00	12.00	42.00	-	-	-	42.0
9	JNKVV, Jabalpur	20.00	15.00	12.00	47.00	26.00	6.0	32.0	79.0
10	SDAU, SK Nagar	20.00	10.00	6.00	36.00	-	-	-	36.0
11	RAU,Dholi	21.00	10.00	12.00	43.00	-	-	-	43.0

12	IGKV,Raipur	20.00	10.00	6.00	36.00	-	-	-	36.0
13	ANGRAU, Hyderabad	20.00	5.00	6.00	31.00	-	-	-	31.0
14	GB Pant Unive. Of Agril.	15.00	5.00	6.00	26.00	-	-	-	26.0
15	CCS HAU, Hisar	15.00	5.00	6.00	26.00	-	-	-	26.0
16.	RAU, Durgapura	-	-	-	-	26.00	6.00	32.0	32.0
<b>Total</b>		<b>758.00</b>	<b>110.00</b>	<b>132.00</b>	<b>1000.0</b>	<b>458.00</b>	<b>42.00</b>	<b>500.0</b>	<b>1500.00</b>

5. Physical Targets: A. Breeder Seed Production:

Sl.No	Centers	Crop (quantity in Qtls)						Total
		Crop	2007-08	2008-09	2009-10	2010-11	2011-12	
1	IIPR, Kanpur	Pigeonpea	30	38	45	53	60	226
		Chickpea	100	125	150	175	200	750
		Moongbean	50	63	75	88	100	376
		Urdbean	20	25	30	35	40	150
		Lentil	30	38	45	53	60	226
		Field Pea	80	100	120	140	160	600
		Total	310	389	465	544	620	2328
2	NDUAT&T, Faizabad	Pigeonpea	12	15	18	21	24	90
		Chickpea	200	250	300	350	400	1500
		Moongbean	20	25	30	35	40	150
		Urdbean	40	50	60	70	80	300
		Lentil	50	63	75	88	100	376
		Field Pea	110	138	165	193	220	826
		Total	432	541	648	757	864	3242
3	BAU, Ranchi	Pigeonpea	10	13	15	18	20	76
		Chickpea	260	325	390	455	520	1950
		Moongbean	20	25	30	35	40	150
		Urdbean	10	13	15	18	20	76
		Lentil	15	19	23	26	30	113
		Field Pea	25	31	38	44	50	188
		Total	340	426	511	596	680	2553

Sl.No	Centers	Crop (quantity in Qtls)						Total
		Crop	2007-08	2008-09	2009-10	2010-11	2011-12	
4	OUA & T, Bhubaneswar	Pigeonpea	8	10	12	14	16	60
		Chickpea	0	0	0	0	0	0
		Moongbean	30	38	45	53	60	226
		Urdbean	20	25	30	35	40	150
		Lentil	0	0	0	0	0	0
		Field Pea	15	19	23	26	30	113
		Total	73	92	110	128	146	549
5	PORS,Berhampore(WB)	Pigeonpea	0	0	0		0	0
		Chickpea	0	0	0	0	0	0
		Moongbean	40	50	61	71		222
		Urdbean	40	50	61	71		222
		Lentil	40	50	61	71		222
		Field Pea	0	0	0	0	0	0
		Total	120	150	183	213	0	666
6	UAS, Dharwad	Pigeonpea	17	21	26	30	34	128
		Chickpea	236	295	354	413	472	1770
		Moongbean	30	38	45	53	60	226
		Urdbean	30	38	45	53	60	226
		Lentil	0	0	0	0	0	0
		Field Pea	0	0	0	0	0	0
		Total	313	392	470	549	626	2350
7	MAU, Parbhani	Pigeonpea	50	63	75	88	100	376
		Chickpea	283	354	425	495	566	2123
		Moongbean	50	63	75	88	100	376
		Urdbean	20	25	30	35	40	150
		Lentil	0	0	0	0	0	0
		Field Pea	0	0	0	0	0	0
		Total	403	505	605	706	806	3025

Sl.No	Centers	Crop (quantity in Qtls)						Total
		Crop	2007-08	2008-09	2009-10	2010-11	2011-12	
8	MPKY Rahuri	Pigeonpea	35	44	53	61	70	263
		Chickpea	500	625	750	875	1000	3750
		Moongbean	50	63	75	88	100	376
		Urdbean	15	19	23	26	30	113
		Lentil	0	751	0	0	0	751
		Field Pea	0	0	0	0	0	0
		Total	600	1502	901	1050	1200	5253
9	JNKVV, Jabalpur	Pigeonpea	131	164	197	229	262	983
		Chickpea	2700	3375	4050	4275	5400	19800
		Moongbean	70	88	105	123	140	526
		Urdbean	40	50	60	70	80	300
		Lentil	75	94	113	131	150	563
		Field Pea	150	188	225	263	300	1126
		Total	3166	3959	4750	5091	6332	23298
10	GAU, S.K. Nagar	Pigeonpea	11	14	17	19	22	83
		Chickpea	0	0	0	0	0	0
		Moongbean	25	31	38	44	50	188
		Urdbean	5	6	8	9	10	38
		Lentil	0	0	0	0	0	0
		Field Pea	20	25	30	35	40	150
		Total	61	76	93	107	122	459
11	RAU, Bikaner	Pigeonpea	0	0	0	0	0	0
		Chickpea	2175	2719	3263	3806	4350	16313
		Moongbean	60	75	90	105	120	450
		Urdbean	10	13	15	18	20	76
		Lentil	10	13	15	18	20	76
		Field Pea	20	25	30	35	40	150
		Total	2275	2845	3413	3982	4550	17065
12	IGKV, Raipur	Pigeonpea	34	43	51	60	68	256
		Chickpea	429	536	644	751	858	3218
		Moongbean	20	25	30	35	40	150
		Urdbean	10	13	15	18	20	76
		Lentil	10	13	15	18	20	76
		Field Pea	50	63	75	88	100	376
		Total	553	693	830	970	1106	4152

Sl.No	Centers	Crop (quantity in Qtls)						Total
		Crop	2007-08	2008-09	2009-10	2010-11	2011-12	
13	ANGRAU, Hyderabad	Pigeonpea	12	15	18	21	24	90
		Chickpea	247	309	371	432	494	1853
		Moongbean	20	25	30	35	40	150
		Urdbean	50	63	75	88	100	376
		Lentil	0	0	0	0	0	0
		Field Pea	0	0	0	0	0	0
		Total	329	412	494	576	658	2469
14	GBPUAT, Pantnagar	Pigeonpea	0	0	0	0	0	0
		Chickpea	0	0	0	0	0	0
		Moongbean	50	63	75	88	100	376
		Urdbean	60	75	90	105	120	450
		Lentil	55	69	83	96	110	413
		Field Pea	0	0	0	0	0	0
		Total	165	207	248	289	330	1239
15	CCS HAU, Hisar	Pigeonpea	34	43	51	60	68	256
		Chickpea	130	163	195	228	260	976
		Moongbean	40	50	60	70	80	300
		Urdbean	0	0	0	0	0	0
		Lentil	0	0	0	0	0	0
		Field Pea	0	0	0	0	0	0
		Total	204	256	306	358	408	1532
1	G.Total	Pigeonpea	384	483	578	674	768	2887
		Chickpea	7260	9076	10892	12255	14520	54003
		Moongbean	575	722	864	1011	1070	4242
		Urdbean	370	465	557	651	660	2703
		Lentil	285	1110	430	501	490	2816
		Field Pea	470	589	706	824	940	3529
		Total	9344	12445	14027	15916	18448	70180

#### B. Organization of Trainings Programme

Centers	Trainings (Nos)					Total
	2007-08	08-09	09-10	10-11	11-12	
IIPR, Kanpur	5	5	5	5	5	25
RAU, Durgapura	2	2	2	2	2	10
JNKVV, Jabalpur	2	2	2	2	2	10
UAS, Dharwad	2	2	2	2	2	10
Total	11	11	11	11	11	55

6. Component specific details of release of funds under the project during 2007-08, 2008-09 and 2009-10, 10-11 & 11-12 is as under

(Rs. In lakhs)

Sl.No	Components	Period	Amount released
1	<b>Strengthening of Breeder Seed Production</b>	2007-08	<b>105.00</b>
	<b>(a) Infrastructure development</b>	2008-09	167.00
	<b>(b) contractual Service</b>	2008-09	8.24
	<b>S.Total</b>		<b>175.24</b>
2	<b>Strengthening of training infrastructure and organization of training</b>		
	<b>(a) Infrastructure development</b>	2007-08	1.00
		2008-09	135.00
	<b>(b) Organization of training</b>	2008-09	4.90
		2009-10	2.44
	<b>S.Total</b>		<b>143.34</b>
	<b>Total releases</b>	2007-08	<b>106.0</b>
		2008-09	<b>315.14</b>
		2009-10	<b>2.44</b>
	<b>Grand total</b>		<b>423.58</b>

## 2<sup>nd</sup> Project of IIPR, Kanpur

**Title of the Project:- “Evaluation and production of cytoplasmic genetic male sterility(GMS) based hybrids for enhancement of productivity and stability of yield in Pigeonpea”**

**2. Duration of the Project:-** Two years (2010-11 to 2011-12)

### **3. Objectives:-**

- i. To evaluate already developed CGMS-based hybrids of early and medium maturity groups in multilocal trials for assessing their yield superiority and stability in different agro-ecological zones of India (all 10 locations)
- ii. To produce new high yielding CGMS-based hybrids in early and medium maturity groups and assessing their yield superiority and stability in different agro-ecological zones of India. (all 10 locations)
- iii) To develop molecular markers for testing the purity of hybrids for grow out test. (only 4 locations)
- iv) To build human resources capacity for production of hybrids and hybrid seed through training. (only 4 locations)

### **4. Expected outputs:-**

- ❖ Hybrids of short duration and medium duration will be available for multilocation/ on-farm testing.
- ❖ Promising A, B and R lines will be characterized at molecular level and grow out technology will be developed which will help in ascertaining the truthfulness/ purity of hybrids.
- ❖ Human resource from farming communities, research institutions and seed companies in various aspects of hybrid pigeonpea technology, will be developed.

### **5. Partners of the project and summary details of budget:-**

Sl. No.	Name of the Centres	Rs. In Lakh		
		Year 1 (2010-11)	Year 2 (2011-12)	Total * (2010-12)
1.	IIPR, Kanpur	27.14	21.39	48.53
2.	ICRISAT, Patancheru	23.68	17.52	41.20
3.	SDAU, SK Nagar	22.14	16.39	38.53
4.	TNAU, Coimbatore	22.14	16.39	38.53
5.	IARI, New Delhi	15.81	10.07	25.88
6.	PAU, Ludhiana	15.81	10.07	25.88
7.	PDKV, Akola	15.81	10.07	25.88
8.	ARS, Badanapur (MAU, Parbhani)	15.81	10.07	25.88
9.	UAS, Banglora	15.81	10.07	25.88
10.	ARS, Gulbaraga (UAS, Raichur)	15.81	10.07	25.88
	GRAND TOTAL	189.96	132.11	322.07

Project sanction for one year 2011-12 with an outlay of Rs.189.96 and out of which an amount of Rs.90.00 lakh has been release to the Intitute for implementation of the programme during 2011-12. Physical and financial progress is awaited.