

# CROP PRODUCTION

## MINI MISSION-II OF TECHNOLOGY MISSION ON COTTON

The Mini Mission-II of Technology Mission on Cotton is a Centrally Sponsored Scheme which aims to increase production, productivity of cotton to meet domestic, export demands of the country and to bring reduction in cost of cultivation and pesticides consumption for enhancing the competitiveness in the international market. This scheme is implemented in the state since 2002-03. Most of the components implemented by the states are being funded on 75:25 basis by Govt. of India and state. However, some of the components of this mission are also funded on 100% basis by GOI.

### 2012-13

Mini Mission-II of TMC was implemented in the Hisar, Fatehabad, Sirsa, Bhiwani, Jind, Rohtak, Rewari, Jhajjar, Sonapat, Kaithal and Mohindergarh district of the state. The programmes of the scheme are executed in accordance with the guidelines of Govt. of India for increasing the production and productivity of cotton crop in the state. For the year 2012-13, a target of 6.00 lakh hect of area and 25.06 lakh bales of production with the average productivity of 750 kg. per hect was set. 6.14 lakh ha. area were covered under cotton crop out of this covered area, production of 25.28 lakh bales is expected with productivity of 700 kg/per hectare in lint form. To achieve this target, a Technical Programme of ` 96.00 lakh ( ` 85.00 GOI share + ` 11.00 State Share) was approved by the Govt. of India for implementing the programmes of Mission during 2012-13. An achievement of ` 81.50 lakh ( ` 73.48 lakh as CS + ` 7.12 as SS) has been made as against the assigned target of ` 96.00 lakh up to Dec,2012. Whereas, the Govt. of India is reducing the allocation under this scheme year over year. The detail of progress report is given hereunder:-

**Table showing the component-wise physical and financial achievement under ICDP/ MM-II of TMC from the year 2005-06 to 2011-12 and target for 2012-13.**

Sr. No.	Component	(` in lakh)																		Pattern of Assistance	
		2005-06		2006-07		2007-08		2008-09		2009-10		2010-11		2011-12		2012-13					
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	T	A*	T	A*		
1.	Supply of breeder seeds (Qtls.)	3.20	1.18	2.10	0.67	0.37	0.05	9.00	1.44	0.40	0.02	-	-	-	-	-	-	-	-	-	Full Cost to Seed producing agencies/ seed growers association etc.
2.	Distribution of Certified Seed (Qtls.)	3450	69.01	2162	43.65	1500	7.60	898	8.98	250.43	3.76	-	-	-	-	-	-	-	-	-	@ 25% of market price to farmers
3.	Farmers Field Schools (Nos.)	30	4.42	60	9.98	120	18.71	160	24.69	160	25.05	160	25.05	150	21.72	150	150	25.50	25.50	-	Rs 17000/FFS
4.	Seed treatment with Chemicals (qtls)	-	-	2162	0.06	109	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	Rs. 40/Kg on pesticides/ Bio-pesticides
5.	Establishment of Bio agent lab. (No)	1	1.00	1	1.00	1	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-	Full cost of Equipments
6.	Surveillance & monitoring of pests & diseases (Distt)	6	4.38	9	7.71	11	8.49	11	7.93	11	11.00	-	-	-	-	-	-	-	-	-	Rs. 1.00 lakh per district
7.	Supply of Bio agent (Hect)	5000	22.29	2000	4.77	200	0.33	-	-	500	1.24	-	-	500	0.33	500	-	4.50	-	-	50% of Cost Rs. 900/- per hect which ever is less
8.	Distribution of PP equipment Knap Sack spray pumps (Nos.)	16902	49.05	19634	68.44	20143	73.81	13359**/23425	73.81	25779 (10338*+15461**)	91.78	3282 (Balance of 2008-09)	13.50	-	-	-	-	-	-	-	50% of Cost Rs. 800/- per hect which ever is less
9.	Tractor Mounted Sprayers (Nos.)	97	8.58	404	35.35	1742	174.13	1723**/2137	174.13	2202 (415* + 1787**)	220.19	346 (344 Balance of 2008-09)	34.60	-	-	-	-	-	-	-	50% of Cost Rs. 10000/ per hect which ever is less
10.	Distribution of Sprinkler sets (Nos.)	179	15.95	54	5.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	@ 25% limited to Rs. 10000/set
11.	Distribution of Drip sets (Nos.)	2	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	@ 25% limited to Rs. 10000/set
12.	Field Demonstration on farm implements (Nos.)	-	-	16	14.40	15	14.87	15	0	-	-	-	-	-	-	-	-	-	-	-	Rs. 1.00 lakh per demonstration including Rs.5000/ for conducting
13.	State Level Training of Extension workers (Nos.)	15	2.25	15	2.20	15	2.25	22	3.30	20	3.00	-	-	20	2.64	-	-	-	-	-	Rs. 15000/ training camp.
14.	Distribution of Bt. kits. (Nos.)	60	0.60	60	0.60	100	1.00	100	1.00	100	1.00	100	1.00	-	-	-	-	-	-	-	Rs. 1000 per kit

15	Training of farmers (Nos.)	-	-	-	-	50	2.46	200	9.64	300	14.91	-	-	-	-	80	80	4.00	4.00	Rs. 5000/per training camp.	
16	Distribution of Pheromone traps (Hect)	8586	19.34	2000	2.00	-	-	-	-	-	-	-	-	500	1.38	1000	1000	3.0	3.00	@ 50% of cost limited to Rs. 300/hect	
17	Distribution of Light traps (Hect)	985	2.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	@ 50% of cost limited to Rs. 300/ hect	
18.	Production of Foundation Seeds (qtls)	30	1.49	68.58	1.39	82	6	-	-	57.90	1.31	-	-	-	-	-	-	-	-	50% cost limited to Rs. 50/Kg	
19.	Production of Certified seeds (qtls)	2800	26.11	1792	19.29	5000	808	<b>673</b>	<b>6.73</b>	306	5.05	-	-	-	-	-	-	-	-	25% cost limited to Rs. 15/Kg	
20.	Season Long training of Facilitators(Nos.)	1	7.00	1	10.00	1	10.00	1	10.00	1	10.00	1	9.30	1	10.00	-	-	-	-	Rs. 10.00 lakh per training	
21	Front Line Demonstration on crop production technology (hect.)	-	-	-	-	2000	93.18	4000	189.52	1000	45.51	-	-	2306	40.23	2500	-	-	50.00	49.00	Rs. 5000/-per hect
22	Electronic Print Media	-	4.39	-	0.20	-	2.57	-	9.12	-	2.73	-	-	-	-	-	-	2.00	-	Full cost of material	
23	Staff & Contingencies	-	18.59	-	18.38	-	23.10	-	25.14	-	35.04	-	12.98	-	4.00	-	-	7.00	-	Salary of staff and office Expenses etc.	
	<b>Total</b>		<b>258.30</b>		<b>246.05</b>		<b>442.90</b>		<b>523.39*</b> <b>608.23**</b>		<b>471.58</b>		<b>96.43</b>		<b>80.30</b>			<b>96.00</b>	<b>81.50</b>	<b>Progress upto 12/2012</b>	
	<b>Centre Share</b>		<b>203.45</b>		<b>192.26</b>		<b>360.69</b>		<b>446.34*</b> <b>509.97**</b>		<b>369.83</b>		<b>74.65</b>		<b>72.78</b>			<b>85.00</b>	<b>73.48</b>		
	<b>State share</b>		<b>54.85</b>		<b>246.05</b>		<b>82.21</b>		<b>77.05*</b> <b>98.26**</b>		<b>101.75</b>		<b>21.78</b>		<b>7.52</b>			<b>11.00</b>	<b>7.12</b>		

\* Bill cleared \*\* Actual pro. Bill cleared less due to less availability of CS

#### Pattern of Assistance :-

Under this scheme following components are being implemented and financial assistance is provided to the farmers/agencies. The detail of along with pattern of assistance is given below:-

Sr. No.	Component	Unit	Assistance Pattern	Beneficiary
<b>A. 75:25 Share basis between GOI and state Govt.</b>				
<b>1. Seed</b>				
(a)	Supply of Breeder Seeds	Qtls	Full cost	Seed producing agencies/ seed growers association etc.
(b)	Distribution of Certified Seeds	Qtls	@ 25% of market price	Farmers
<b>2. Plant Protection</b>				
(a)	Farmers Fields School (FFSs)	No	17000/FFS	Farmers
(b)	Seed treatment with chemicals	Qtls	40/Kg on pesticides/Bio-pesticides	Farmers
(c)	Establishment /Strengthening of Bio-Agent Lab by State.	No	Full cost of Equipments	State Deptt. of Agril.
(d)	Surveillance of disease and pests	(Distt.)	1.00 lakh per district	State Deptt. of Agril.
(e)	Supply of Bio Agent/Bio Pesticides	Ha.	50% of Cost 900/- per hect which ever is less	Farmers
(g)	<b>Supply of sprayers</b>			
i)	Manually Operated	Nos.	50% of Cost 800/- per hect which ever is less	Farmers
ii)	Tractor Operated	Nos.	50% of Cost 10000/ per hect which ever is less	Farmers
3	Field Demonstration on farm Implements.	Nos.	1.00 lakh per demonstration including 5000/ for conducting demonstration.	Farmers
4	State Level Training to Extension Workers	No	15000/ training camp.	Extension worker
5	Contingencies/Staff at State HQ and farmers visit programmes /Contingency fund for districts	-	Salary of staff and office Expenses etc.	State
6	<b>New interventions (10% allocation)</b> a. Bt. Cotton detection kits b. Farmers Trainings	Nos. Nos.	1000 per kit 5000/per training camp.	Farmers
<b>B Components under 100% GOI funds</b>				
1	Production of foundation seeds	Qtls	50% cost limited to 50/Kg	Seed producing agencies/ seed growers association, cooperatives etc
2	Production of Certified Seeds	Qtls	25% cost limited to 15/Kg	-do-
3	Season Long Training of facilitators	No.	10.00 lakh per training	Facilitators
4	FLD ON Production Technology	Hect.	5000/-per hect	Farmers
5	Electronic Print Media Information technology/Mass Media	-	Full cost of material	State/farmers

### Physical and financial progress report of Mini Mission-II of Technology Mission on Cotton

State: Haryana.

Month :- December, 2012

SN	Component	Unit	Physical						Financial Allocation			Expenditure (in Lakh.) Booked								
			Target			Achv.			GOI	State	Total	GOI			State			Total		
A	75:25 % basis		SC	Others	Total	SC	Others	Total				SC	Others	Total	SC	Others	Total	SC	Others	Total
1.	Farmers field School (FFSs) 17000/ FFS	Nos.	29	121	150	29	121	150	19.13	6.37	25.50	3.70	15.43	19.13	1.23	5.14	6.37	4.93	20.57	25.50
2.	Supply of Bio-agents 50% of 900/ ha.	Ha.	97	403	500	-	-	-	3.37	1.13	4.50	-	-	-	-	-	-	-	-	-
3.	Distribution of Pheromone Traps/Light	Ha.	194	806	1000	194	806	1000	2.25	0.75	3.00	0.43	1.82	2.25	0.15	0.60	0.75	0.58	2.42	3.00

	traps 50% of 300/ha.																			
4	Training of farmers ` 5000 per trg	Nos.	15	65	80	15	65	80	3.00	1.00	4.00	0.56	2.44	3.00	0.19	0.81	1.00	0.75	3.25	4.00
5	Contingencies Staff at head quarter	Nos.			-	-	-	-	5.25	1.75	7.00	-	-	-	-	-	-	-	-	-
	<b>Sub Total</b>								<b>33.00</b>	<b>11.00</b>	<b>44.00</b>	<b>4.69</b>	<b>19.69</b>	<b>24.38</b>	<b>1.57</b>	<b>6.55</b>	<b>7.12</b>	<b>6.26</b>	<b>26.24</b>	<b>32.50</b>
<b>B Components (100%) funded by GOI</b>																				
1	FLDs on Production Technologies ` 2000 per acre	Acre	484	2016	2500	484	2016	2500	50.00	0	50.00	8.68	40.32	49.00	-	-	-	8.68	40.32	49.00
2	Electronic Print Media								2.00	0	2.00	-	-	-	-	-	-	-	-	-
	<b>Sub total</b>								<b>52.00</b>	<b>0</b>	<b>52.00</b>	<b>8.68</b>	<b>40.32</b>	<b>49.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8.68</b>	<b>40.32</b>	<b>49.00</b>
<b>Grand Total (A+B)</b>									<b>85.00</b>	<b>11.00</b>	<b>96.00</b>	<b>13.37</b>	<b>60.01</b>	<b>73.38</b>	<b>1.57</b>	<b>6.55</b>	<b>7.12</b>	<b>14.94</b>	<b>66.56</b>	<b>81.50</b>

**Financial outlay/Achievements:-** The MM-II of TMC scheme is being implemented on 75:25 sharing basis between Govt. of India and state Govt. Some component of the scheme also 100% financed by Govt. of India. Year wise outlay/achievement of the scheme from 2001-02 to 2012-13 is detailed below:-

(Rs. in lakh)

Year	Admin.App. (Central Share)	Unspent Balance as on 1st April ( Central Share)	Funds released by GOI ( Central Share)	State Sanction			Expenditure		
				GOI share	State share	Total	GOI share	State share	Total
2001-02	227.45	47.48	102.00	149.48	49.83	214.08	145.99	48.66	194.65
2002-03	156.00	3.50	98.50	102.00	34.00	136.00	81.61	27.20	108.81
2003-04	158.60	120.39	159.61	180.00	60.00	151.79	95.97	31.99	127.96
2004-05	200.00	84.03	112.50	196.53	65.51	262.04	186.85	58.97	245.62
2005-06	280.00	9.88	270.43	280.31	60.06	286.37	203.48	54.83	258.30
2006-07	300.00	76.83	223.17	241.00	64.33	305.33	192.26	53.79	246.05
2007-08	425.00	107.74	232.26	425.00	91.00	516.00	360.69	81.21	442.90
2008-09	450.00	64.31	385.69	450.00	77.13	527.13	523.39	77.05	523.39
2009-10	370.00	3.66	366.34	370.00	101.80	471.80	369.83	101.75	471.58
2010-11	99.83	0.17	77.20	77.37	22.69	100.06	74.65	21.78	96.43
2011-12	85.00	2.72	82.28	85.00	9.63	94.63	72.78	7.52	80.30
2012-13	85.00	12.22	72.78	85.00	11.00	96.00	73.48	7.12	81.50*

### Year wise area, Average yield and Production of Cotton crop in Haryana

(Area in 000 Hect. Av. Yield in Kg/Hect. and Production in 000 bales(170 kg)

Sr. No.	Year	Area	Av. yield	Production
1	1966-67	183	283	305
2	1967-68	241	279	396
3	1968-69	212	286	357
4	1969-70	194	315	360
5	1970-71	193	329	373
6	1971-72	242	327	465
7	1972-73	257	296	448
8	1973-74	251	316	467
9	1974-75	247	310	451
10	1975-76	254	311	465
11	1976-77	243	334	478
12	1977-78	264	298	463
13	1978-79	286	357	601
14	1979-80	315	317	587
15	1980-81	316	346	643
16	1981-82	329	351	685
17	1982-83	397	360	840
18	1983-84	404	239	567
19	1984-85	293	353	608
20	1985-86	345	367	745
21	1986-87	380	404	903
22	1987-88	417	281	690
23	1988-89	433	332	846
24	1989-90	470	431	1191
25	1990-91	491	400	1155
25	1991-92	505	451	1341
26	1992-93	533	450	1411
27	1993-94	563	339	1124
28	1994-95	556	419	1371
29	1995-96	652	335	1284
30	1996-97	653	392	1507
31	1997-98	632	298	1107
32	1998-99	583	255	874
33	1999-000	544	408	1304
34	2000-01	555	424	1383

35	2001-02	630	195	722
36	2002-03	518	340	1038
37	2003-04	526	455	1407
38	2004-05	621	568	2075
39	2005-06	583	437	1499
40	2006-07	530	582	1814
41	2007-08	483	663	1885
42	2008-09	453	696	1858
43	2009-10	507	646	1926
44	2010-11	492	603	1744
45	2011-12	6.03	739	2612
46	2012-13*	6.14/6.00	700/750	2528/2646
47	2013-14*	6.00	760	2682

\* Target

#### Technical Programme of New State Plan "Scheme for Promotion of Cotton Cultivation in Haryana State" for the Year 2012-13

The sowing of cotton crop in the state will be on peak during the month of May. The New State Plan Scheme namely "Scheme for Promotion of Cotton Cultivation in Haryana State" for the year 2012-13 is being launched in order to supplement / continue the left out programmes / components of the Centrally Sponsored Mini Mission - II of Technology Mission on Cotton during the current year with financial outlay of ` 400.00. The Action Plan for the proposed programmes will be as under :-

#### Area and Production Target

The objective of scheme is to keep the tempo of increasing production and productivity of cotton in the state during the year 2012-13. The scheme will be implemented in all the cotton growing districts of state namely Hisar, Fatehabad, Sirsa, Jind, Bhiwani, Rohtak, Jhajjar, Rewari, Mohindergarh, Sonapat and Kaithal. Under this Scheme Distribution of Certified Seeds, Production of Certified and Foundation Seeds, Farmers Trainings, Supply of Manually & Battery Operated and Tractor Mounted Spray Pumps, Front Line Demonstration on specific Production Technology, Drip Irrigation system in Cotton, Exposure Visit of farmers, Season Long Training of Facilitators (TOF) etc. components will be implemented

Keeping in view the achievement of area, Av. Yield and production of cotton crop during previous years and its future prospects, it has been planned to cover 6.00 lakh hect. area under this crop in the state during 2012-13. A production target of 26.47 lakh bales with a productivity of 750 kg / hect. has been fixed. The district wise operational target of area, Av. Yield and production of Cotton crop for the year 2012-13 is given at Annexure-I

#### I. Distribution of Certified Seed :- ` 5 Lacs

In order to popularize the use of certified seeds of new varieties (Both hybrids and non-hybrids), assistance will be provided @ 50% of market price on distribution of certified seeds of cotton varieties / hybrid notified during the last 15 years. The assistance will be available on the quantity of seed sold by HSDC, NSC, SFCI, CCS HAU, KRIBHCO, IFFCO etc. In this regard the publicity will have to be made at large by the respective DDA, so that maximum benefit could be availed by the farmers. Therefore, regular monitoring and vigilance is required to be taken by DDAs for ensuring the smooth availability and distribution of quality seeds during the season. The target will be as per the stocking plan / sale of these agencies. An assistance of ` 5.00 lakh have been kept under this component. The seed supplying agencies will submit the claim bills to the respective DDAs by middle of June, 2012 for reimbursement. DDAs will verify and further submit the claim bills to JDA Cotton Sirsa for making the payment of seed to the concerned Seed Supplying Agencies by the end of June 2012, so that the financial target could be achieved in first quarter.

#### II. Production of Foundation Seed: ` 2.00 Lakh

Foundation seed will be produced by HSDC at HLRDC Farm and CCS HAU Hisar farm from breeder seed to meet out the requirement of foundation seed for multiplying the certified seed during Kharif 2013. An assistance of Rs. 2.00 Lakh has been kept under this component i.e. @ 50% cost limited to Rs. 50/- per kg. The HSDC will submit claim bills to JDA (Cotton) Sirsa by end of December 2012.

#### III. Production of Certified seed :- ` 2.00 Lakh

HSDC will produce the certified seed of cotton varieties from the foundation seed produced during Kharif 2011. The production subsidy have been kept Rs. 2.00 lakh @ 25% cost limited to ` 15/- per kg. The claim bills will have to be submitted to JDA (Cotton) Sirsa by end of December 2012.

#### IV Supply of Manually and Battery operated Spray Pumps :- ` 40 Lakh

Since the availability of sprayers in time is very essential for timely control of pests and diseases of cotton crop. About 5000 Manually Operated Spray Pumps will be supplied to the farmers @ 50% of the cost limited to ` 600/- per sprayer whichever is less and 500 Battery Operated Spray Pumps will be supplied to the farmers @ 50% cost limited to ` 2000/- per sprayer whichever is less. The farmers will purchase the pump of their choice from any reliable source and submit the receipt to the respective ADO for claiming subsidy. ADO after verification will submit the bills to the DDAs through proper channel for payment of subsidy. The district wise physical and financial targets area as under:

#### i. Manually Operated Spray Pumps:

S. No.	Farmer Category	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonapat	Total
<b>Physical</b>													
A	SC	100	130	100	60	50	10	10	10	10	10	10	500
B	W	100	130	100	60	50	10	10	10	10	10	10	500
C	G	900	900	750	550	400	200	50	50	50	100	50	4000
D	T	1100	1160	950	670	500	220	70	70	70	120	70	5000
<b>2. Financial (Amount in lakh)</b>													
A	SC	0.60	0.78	0.60	0.36	0.30	0.06	0.06	0.06	0.06	0.06	0.06	3.00
B	W	0.60	0.78	0.60	0.36	0.30	0.06	0.06	0.06	0.06	0.06	0.06	3.00
C	G	5.40	5.40	4.50	3.30	2.40	1.20	0.30	0.30	0.30	0.60	0.30	24.00
D	T	6.60	6.96	5.70	4.02	3.00	1.32	0.42	0.42	0.42	0.72	0.42	30.00

#### ii. Battery Operated Spray Pumps:

S. No.	Farmer	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonapat	Total
--------	--------	-------	-------	--------	---------	------	--------	---------	--------	---------	---------	---------	-------

Sl. No.	Farmer Category	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonapat	Total
<b>Physical</b>													
A	SC	13	21	11	2	2	1	-	-	-	-	-	50
B	W	13	21	11	2	2	1	-	-	-	-	-	50
C	G	99	158	78	16	16	8	05	05	05	05	05	400
D	T	125	200	100	20	20	10	05	05	05	5	5	500
<b>2. Financial (Amount in ` in lakh)</b>													
A	SC	0.26	0.42	0.22	0.04	0.04	0.02	-	-	-	-	-	1.00
B	W	0.26	0.42	0.22	0.04	0.04	0.02	-	-	-	-	-	1.00
C	G	1.98	3.16	1.56	0.32	0.32	0.16	0.10	0.10	0.10	0.10	0.10	8.00
D	T	2.50	4.00	2.00	0.40	0.40	0.20	0.10	0.10	0.10	0.10	0.10	10.00

The applications will have to be disposed of on the basis of first come first serve basis.

V. Tractor Mounted Sprayers: ` 116.00 lakh

1160 Tractors Mounted Sprayers will be arranged for distribution amongst the farmers on 50% cost limited to Rs. 10000/- per sprayer, for which Rs. 116.00 lakh have been proposed. The farmer will purchase the Tractor Mounted Spray Pumps from the approved fabricators and will submit the claim bills to the respective ADO. ADOs will verify the bill and will further submit the claim bills to DDA through proper channel for release of subsidy.

S. No.	Farmer Category	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonapat	Total
<b>Physical</b>													
A	SC	30	48	20	6	5	3	2	2	1	2	1	120
B	W	25	34	20	5	5	3	2	2	1	2	1	100
C	G	250	350	170	40	40	24	11	11	13	16	15	940
D	T	305	432	210	51	50	30	15	15	15	20	17	1160
<b>2. Financial (Amount in ` in lakh)</b>													
A	SC	3.0	4.80	2.00	0.60	0.50	0.30	0.20	0.20	0.10	0.20	0.10	12.00
B	W	2.50	3.40	2.00	0.50	0.50	0.30	0.20	0.20	0.10	0.20	0.10	10.00
C	G	22.0	35.00	16.00	4.00	4.00	2.40	1.10	1.10	1.30	1.60	1.50	94.00
D	T	30.50	43.20	21.00	5.10	5.00	3.00	1.50	1.50	1.50	2.00	1.70	116.00

A committee of ADA (Extn.), JDA(PP) and JDA(CC) will examine and recommend the rates, guidelines, specification etc. of the Tractor Mounted Spray Pumps and Battery Operated Spray Pumps to ensure the quality sprayers.

VI. Training of Farmers: ` 7.00 lakh

Training to the farmers will be imparted by the experts of KVK and by officers the department about the latest production technologies on all aspects of cotton cultivation. It has been proposed to conduct 140 training for a group of 50 farmers for one day @ ` 5000/- per training. The trainings may cover all aspects of Cotton cultivation right from pre sowing operations to post harvest technologies. Special farmers training camps may be organised to tackle with the occurrence of any eventuality/natural calamities like drought, floods, prolong rainy season, sudden out break of pest/diseases etc. The DDAs will submit the schedule of training programme to the JDA (Cotton) Sirsa and to the Directorate well in time. The list of participating farmers may also keep preserved.

Guidelines for organizing the farmer training camps

- DDA will assign the targets of trainings to the SDAOs / BAOs / ADOs well in time.
- SDAO, SMS, APPO will also finalize module of trainings with the approval of DDA.
- The villages may not be covered for training programme this year which were covered during last year/s.
- ADOs/ BAOs will select the village and site of training programme.
- The site of the training should be at some prominent/common point of the village.
- The ADO/BAO with the assistance of Gram Sarpanch, Panchyat members, progressive farmers, well known persons/farmers of the village etc. will ensure the wide publicity of training date, site etc
- In village level meeting at least SDAO, SMSs, APPO level officer may be present.
- DDA will ensure participation in at least 25% of training camps.
- The numbers of farmer can exceed from the fixed limit of 50 farmers.
- Live demonstration may also be given in the training e.g seed treatment, rat campaign, diseases, pest specimens etc.
- The training will be imparted by the experienced extension staff/Scientists of KGKs /research centres.
- The honorarium may be given to the only to the out source persons not to department officers.
- Pamphlets/literature may also be distributed relating to topics of the trainings to be covered if readily available.
- List of participating farmers may be prepared, preserved for audit check etc and may also be submitted to JDA (Cotton).

District wise Target of farmer training:

S. No.	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonapat	Total
<b>Physical</b>												
A	30	35	25	14	10	10	3	3	3	5	2	140
<b>Financial (Amount in Lakh)</b>												
A	1.50	1.75	1.25	0.70	0.50	0.50	0.15	0.15	0.15	0.25	0.10	7.00

VII. Contingency for Print Media, Workshop, Kisan Mela, Awareness Campaign, Kapas Divas etc.: (9.78 lakh)

Under this component an amount of ` 9.78 lakh has been kept for organizing seminar/workshop, distribution of literature, audio-visual mass media etc. The funds will be allotted to JDA (Cotton), Sirsa for execution of programme. He will prepare the booklets/message cards from time to time after having consultation with the expert of universities/ KGKs and scientists of Research Centres and to supply the DDAs for further distribution to Extension workers & farmers. If necessity required, JDA (Cotton) can allot funds to the DDAs for specific activities.

VIII. Frontline Demonstration (FLDs.) on Production Technologies: 3.60 Lakh

It has been decided to conduct FLDs on specific improved practices and technologies like deep ploughing, use of FYM, balance use of fertilizers, seed rate, balanced fertilization specially basal doze of fertilizers etc. A total of 180 FLDs will be conducted in this programme and an assistance of ` 2000/- per acre will be provided per Demonstration to meet the cost of material, labour etc. Detail of proposed expenditure of one FLD

is given hereunder:-

District wise Target of FLD 180 Nos. : ` 3.60 Lakh

S. No.	Type of treatment	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonipat	Total
<b>Physical :</b>													
1	<b>Demonstration on the impact of Deep Ploughing + Compost</b>  For the demonstration one acre will be divided into parts. In half acre deep ploughing will be done and on the other half will be kept a check plot. Uniform package of practices will be adopted in the both parts  ( Rs.1700 for fertilizer i.e compost from public sector, MOP-Zinc Sulphate, NPK, pesticides etc. Rs 300/- for misc expenditure Board, literature etc.)	13	15	10	5	5	2	2	2	2	2	2	60
2	<b>Demonstrations on Seed Rate</b>  Two packets of Bt Cotton Seed v/s One packets of Bt. Cotton(Check plot)  ( Rs. 1500 for seed + Rs. 500 for display board, literature etc. and <u>balance cost of seed will be borne by the farmers</u> whereas in case of <u>Check plot entire cost of Check plot of Bt. cotton seed will be borne by the farmer</u> )	14	15	10	5	4	2	2	2	2	2	2	60
3	Basal Doze of fertilizers Nitrogenous/ Phosphatic/ potashic Fertilizer	6	8	5	3	2	1	1	1	1	1	1	30
	1 acre with 24 kg. of N + 50 Kg DAP + 24 kg K + zinc and in other acre with 24 kg. of N + SSP (150 kg) + 24 kg potash + Zinc  ( Rs.1700 for fertilizers and balance as farmers. Rs. 300 for display of board and misc. expenditure)	6	8	5	3	2	1	1	1	1	1	1	30
<b>Total</b>		39	46	30	16	13	6	6	6	6	6	6	180
<b>Financial (Amount in Lakh) :</b>													
1.	<b>On Deep Ploughing</b>	0.26	0.30	0.20	0.10	0.10	0.04	0.04	0.04	0.04	0.04	0.04	1.20
2	<b>On Seed rate</b>	0.28	0.30	0.20	0.10	0.08	0.04	0.04	0.04	0.04	0.04	0.04	1.20
3	<b>On basal Doze of fertilizers</b>	0.24	0.32	0.20	0.12	0.08	0.04	0.04	0.04	0.04	0.04	0.04	1.20
		0.78	0.92	0.60	0.32	0.26	0.12	0.12	0.12	0.12	0.12	0.12	3.60

The guidelines to be followed for organising the FLDs is as under:-

1. ADO will identify farmers for this purpose well before the sowing season.
2. Those farmers should be selected who are obtaining low yield as compare to progressive farmers.
3. Site of the demonstration should be easily approachable.
4. Soil test should be done in the field prior to organize the demonstration.
5. Technology being demonstrated and inputs provided in the demonstration should be displayed on a board in the field.
6. The Complete FLDs will have to be layout in the presence of ADO / BAO and SMS.
7. DDA will allot/assign the plot to the SDAO/ SMS/APPO for overall supervision/ observations/results
8. Only one type demonstration will be given to a single farmer.
9. Inputs will be purchased from public sector agencies if not available then a Committee of officers of district may be constituted

to make the purchase from the private traders as per guidelines.

10. JDA (Cotton) Sirsa will submit a consolidated after laying out of demonstrations reports to the Directorate.
11. Information may be sent to the Directorate about failure of d. plots due to occurrence of any natural calamities within 15 days
12. The demonstration will be supervised by SDAO/SMSAPPO and he will record all the observation of the demonstration plot and after the final picking he will submit the analysis/ comparative performance of the plot to the DDAs with in 15 days and DDAs will sent the consolidated report of tall the d. plots to the Directorate as well as to the JDA (Cotton) with in one month of final picking of the plots.
13. DDA will also supervise at least 5% of FLD himself.

IX. Three week Training of Extension Workers (TOEW) Refresher Course : ` 10.00 lakh

In order to update the skills of Extension Workers in has been decided to impart trainings on the newer technologies of the cotton cultivation generated by the researchers. The training programmes will be organised at HAMETI, Jind having fully residential, good class rooms communication facilities and adequate hostel accommodation. Director, HAMETI will be Coordinator and JDA (Cotton) Sirsa will be Nodal officer to organise this programme. The training will be imparted in three groups and comprising of 30 ADOs/ BAOs in each group. The training will be run by facilitators (Master trainers) in specified fields under the guidance of a coordinator. The 20 trainees will be selected from specially from cotton growing districts but about 10 ADOs / BAOs one from each districts in one each training programme. The JDA (Cotton) Sirsa will make the district-wise allocation of participant trainees after having discussion with the DDAs. The training will be fully field oriented, participatory, discovery based "learning by doing", and non-formal education approach. The Training curriculum covers all aspects of crop management. The training programme first, second and third batch will start from 11<sup>th</sup> June, 10<sup>th</sup> July and 16<sup>th</sup> August respectively. The Director, HAMETI will prepare the training Module/capsule for 21 days programme for complete crop cycle of Cotton crop. The total cost of conducting three training programme will be Rs.10.00 lakh The item wise detailed break-up for one batch/per training corse is given below:-

Sr. No.	Item	Amount
1.	Food arrangement for 32 persons (including supporting staff-2)	Rs.200/-per day per trainee 1,34,400/-
2.	POL for exposure visit	15,000/-
3	Training material (bag, Chart, white papers, pen, sketch pens marker, magnifying glass, Scissors, Scale, pencil, register, certificate, Package Practices etc.)	- 25,000/-
4	Honorarium, Taxi/car charges to guest lecturers	Rs. 1000/per lecture excluding Taxi/car charges as per no rms. 50,000/-
5	Inter State Study Tour	70,000/-
6	Opening and closing ceremony	14,000/-
7	Miscellaneous expenditure	25,000/-
	<b>Total</b>	<b>3,33,000/-</b>
Overall total expenditure limit for three batch is Rs. 10,00,000/-		

X. Drip Irrigation in Cotton: 160.62 Lakh

It has been decided that the assistance will be provided to the farmers to promote the Drip Irrigation system in Cotton Crop.

As per guidelines of National Mission on Micro Irrigation (NMMI) /Guide lines of Horticulture department the subsidized cost for installation of Drip irrigation System will be @ 90% of the total cost fixed per hectare under NMMI Scheme . A target of 162 ha. is proposed to be covered with the financial assistance of Rs. 160.62 lakh. Only one hectare assistance will be provided to one farmer and preference may be given to small and marginal farmers. This programme will be executed by the Soil Conservation staff of the department under he supervision and guidance of ADA(SC). Final guidelines for implementation of Drip irrigation will be circulated by ADA(SC) very soon.

District wise Target for One hect. (Drip Irrigation):

S. No.	Farmer Category	Hisar	Sirsa	Ft/bad	Bhiwani	Jind	Rohtak	Jhajjar	Rewari	Narnaul	Kaithal	Sonipat	Total
<b>Physical</b>													
A	SC	2	5	03	1	1	-	-	-	-	-	-	
B	W	3	5	02	1	1	-	-	-	-	-	-	
C	G	40	45	25	8	8	02	02	02	02	02	02	
D	T	45	55	30	10	10	02	02	02	02	02	02	162
<b>2. Financial (Amount in lakh)</b>													
A	SC	1.99	4.96	2.98	0.99	0.99	-	-	-	-	-	-	11.91
B	W	2.98	4.96	1.98	0.99	0.99	-	-	-	-	-	-	11.90
C	G	39.66	44.62	24.79	7.93	7.93	1.98	1.98	1.98	1.98	1.98	1.98	136.81
D	T	44.63	54.54	29.75	9.91	9.91	1.98	1.98	1.98	1.98	1.98	1.98	160.62

XI. Exposure Visit of farmers : 4.00 Lakh

Farmers in clusters (25-30 farmers groups) will be taken to exposure visit in surrounding states to provide exposure to new innovations in agriculture being adopted in those areas. For the exposure visits, an amount of 4.00 lakh has been proposed. The approval of tour may be obtained from the H.Q.

XII. Salary

An amount of ` 40 lakh has been kept under this component for the Salary and staff contingencies for the office of Joint Director of Agriculture, Cotton Sirsa.

Detail of staff and allocation of funds under different Promotion of Cotton Cultivation in Haryana State for the Year 2012-13

Part-I (State Level Staff)	
1. One Joint Director of Agriculture (Cotton) in Rs. 10000-325-15200+6400 (Grade Pay)	
2. One Technical Assistant in the Grade of Rs. 9300-34500+4200 (Grade Pay)	
3. Two Clerks in Rs. 5200-20200+1900 (Grade Pay)	
4. One Sr. Scale Stenographer in the grade of Rs. 9300-34500+3200 (Grade Pay)	
5. One Steno Typist in Rs. 5200-20200+1900 (Grade Pay)	
6. One Accountant in Rs. 9300-34800+3200 (Grade Pay)	
7. One Jeep Driver in Rs. 5200-20200+2400 (Grade Pay)	
8. Two Peon in Rs. 4440-7440+1300 (Grade Pay)	

(Amount in Rs. )

1. Salaries	20,00,000
2. Dearness Allowance	12,00,000
3. Travelling Allowance	1,00,000
4. Office Expenses	2,20,000
5. Wages	50,000
6. Contractual Services	1,00,000
7. POL	1,00,000
8. Medical Reimbursement	60,000
9. LTC	60,000
10. M&V	80,000
11. Education Allowance	30,000
Sub Total Part-1	40,00,000
Part-II (Subsidy)	
Distribution of Certified Seed, Production of Certified Seed, Foundation Seed, Supply of Manually and Battery operated Spray Pumps, Operated Sprayer Pump, Tractor Mounted Spray Pump, Training of Farmer, Contingency, FLD, Season Long Training of Facilitator, Drip Irrigation in Cotton, Exposure Visit etc.	3,60,00000
Total	4,00,00,000

- The DDAs will submit the Monthly Progress Report to this Directorate and to the JDA Cotton by 5<sup>th</sup> of every month in the prescribed form.
- DDAs will ensure the 20% release of expenditure during the first quarter and claims bills of each activity may be withdrawn monthly basis not on completion of entire programme/ activity so that proper assessment of expenditure could be made regularly.
- Funds allocated for SC and women category may not be diverted without prior approval of the directorate.

#### Annexure A

#### District-wise operational targets of Area, Av, Yield and Production of Cotton Crop for Kharif 2012-2013

Sr.No.	District	Area (in 000 hect.)	Av. Yield (Kg./ hect. - Lint)	Production ( ' In 000' Bales)
1.	Hisar	150	750	662
2	Fatehabad	100	800	471
3	Sirsa	210	820	1013
4	Bhiwani	50	600	176
5	Rohtak	10	550	32
6	Jhajjar	2	550	6
7	Sonapat	2	500	6
8	Jind	60	650	229
9	Mohindergarh	3	550	10
10	Rewari	3	500	9
11	Kaithal	10	550	32
	Total	600	750	2646

Note:- A quarterly review of the scheme will be take place in the first fortnight of the July, October, January and second fortnight of the March. TA/CC-I and JDA (CC) will pursue the matter for organising the review meetings. JDA (Cotton) will review the progress during the visit to the respective district/s and will point out if any irregularities being practised by the implementing staff in implementing the programmes of the scheme.

Guidelines for supply of Battery Operated Spray Pumps and Tractor Mounted Spray Pumps Under State Plan Scheme for "Promotion of Cotton Cultivation in Haryana State" during 2012-13.

- Physical and financial target will remain the same as mentioned in the Annual Action Plan of the Scheme circulated vide Memo. No./ 91-802/ TACC-I dated 16-05-2012.
- For Tractor Mounted Sprayers - DDAs will invite the applications from the farmers after making the wide publicity in 2-3 leading news papers for at least 10 days .
- The Spray pumps may be distributed to the farmers on the basis of draw of lots in case no of applications are more than the targets. If the application are less than the assigned targets, then the policy of first come first serve may be adopted.
- The draw of spray pumps should be done under the supervision of senior officers of the district/administration/ /Director,HAMETI / Joint Director of Agriculture (Cotton) Sirsa.
- In case of Tractor Mounted Sprayers, Tractor Mounted Sprayers must be approved/tested by TTC or Farm Machinery Centre CCS, HAU Hisar. Successful farmers in draw of lots will be free to purchase tractor mounted sprayers from any fabricators empanned by Department.
- In case of Battery Operated Spray Pumps, the successful farmer may purchase the pump of his choice from the local market.
- After making the purchase of Spray pump farmer will submit the purchase bill in the office of Dy. Director of Agriculture concerned within 10 days of the purchase to claim the subsidy amount.
- DDA will reimburse the subsidy in the farmer's Bank account after thorough verification of Spray pump/purchase bill by a committee comprising of SDAO, BAO & ADO (FI).
- Proper record of draw and other proceedings will be maintained by DDA.



