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(Part -II)

Action Plan for Extending Green Revolution

In Eastern Region

2010-2011

West Bengal Chapter



**Department of Agriculture
Government of West Bengal**

Synopsis of Investment Proposal

Sl. No.	Intervention	Cost Involvement (Rs. in crore)
A	Production & Distribution of seeds (Hybrid & HYV)	25.00
B	Creation of Minor Irrigation Facilities	25.00
C	Conservation of land & Water Resources	23.20
D	Farm Mechanization & Technology Dissemination	20.00
E	Addressing problematic soils across the State	10.00
	Total	103.20

A. Production & Distribution of Seeds (Hybrid & HYV)

A. Production & Distribution of seeds (Hybrid & HYV)

Item of Intervention	Unit / Area/ Rate of Assistance	Proposed Cost Involvement (Rs. in crore)	Remarks / Area of Intervention
Production of HYV Seed through Seed Village Programme	3500 nos. Seed Village @ Rs.20000/-	7.00	Across the State of West Bengal
Production of Hybrid Paddy Seed	200 MT production & distribution assistance @ Rs.45000/- per MT	0.90	Across the State of West Bengal
Production of Hybrid Maize Seed	400 MT production assistance @ Rs.10000/- per MT	0.40	Across the State of West Bengal
Varietal replacement through Distribution of Seed Kit (Hybrid & HYV)	Hybrid Rice Seed kit 6 kg each @ Rs.900/- per Kit Hybrid Maize Seed kit 2.5 kg each @ Rs.150/- per Kit Hybrid Sunflower Seed kit 1 kg each @ Rs.300/- per Kit HYV Rice Seed kit 5 kg each @ Rs.125/- per Kit HYV Pulses Seed kit 4 kg each @ Rs.400/- per Kit HYV Oil Seed kit 1 kg each @ Rs.85/- per Kit HYV Wheat Seed kit 15 kg each @ Rs.450/- per Kit	16.70	Across the State of West Bengal
Total		25.00	

**A. 1. Name of Intervention: Production of HYV Seed through Seed Village Programme
Unit Area: Paddy -10 ha, Wheat- 10 ha, Oilseed-15 ha, Pulses-15 ha.**

Sl No	Districts	Name of crops with no. of unit					Proposed cost Involvement (Rs. in lakhs)							Total
		Paddy	Wheat	Maize	Oilseed	Pulses	Paddy	Wheat	Maize	Oilseed	Pulses			
1	Jalpaiguri (including Siliguri Sub-Div.)	128	-	6	15	15	164	25.60	-	1.20	3.00	3.00	32.80	
2	Coochbehar	96	-	5	11	11	123	19.20	-	1.00	2.20	2.20	24.60	
3	Uttar Dinajpur	78	3	8	9	9	107	15.60	0.60	1.60	1.80	1.80	21.40	
4	Dakshin Dinajpur	62	-	-	7	7	76	12.40	-	-	1.40	1.40	15.20	
5	Malda	126	4	6	15	15	166	25.20	0.80	1.20	3.00	3.00	33.20	
6	Murshidabad	216	5	3	27	27	278	43.20	1.00	0.60	5.40	5.40	55.60	
7	Nadia	144	4	6	17	17	188	28.80	0.80	1.20	3.40	3.40	37.60	
8	North 24-Parganas	176	-	-	22	22	220	35.20	-	-	4.40	4.40	44.00	
9	South 24-Parganas	248	-	-	31	31	310	49.60	-	-	6.20	6.20	62.00	
10	Howrah	118	-	-	14	14	146	23.60	-	-	2.80	2.80	29.20	
11	Hooghly	144	-	-	17	17	178	28.80	-	-	3.40	3.40	35.60	
12	Burdwan	280	-	-	35	35	350	56.00	-	-	7.00	7.00	70.00	
13	Birbhum	160	4	3	19	19	205	32.00	0.80	0.60	3.80	3.80	41.00	
14	Bankura	184	-	4	22	22	232	36.80	-	0.80	4.40	4.40	46.40	
15	Purulia	168	-	5	20	20	213	33.60	-	1.00	4.00	4.00	42.60	
16	Paschim Midnapur	240	-	4	30	30	304	48.00	-	0.80	6.00	6.00	60.80	
17	Purba Midnapur	192	-	-	24	24	240	38.40	-	-	4.80	4.80	48.00	
	Total	2760	20	50	335	335	3500	552.00	4.00	10.00	67.00	67.00	700.00	

Rate of Assistance: Rs. 20000/- per unit of Seed Village.

A. 2. Name of Intervention: Production & Distribution of Hybrid Paddy Seed

SI No	Districts	Physical unit in MT with Assistance @ of Rs. 45000/- per MT	Proposed cost involvement (Rs. in lakh)
1	South 24-Parganas	30	13.50
2	North 24-Parganas	20	9.00
3	Howrah	20	9.00
4	Hooghly	20	9.00
5	Burdwan	20	9.00
6	Bankura	20	9.00
7	Birbhum	20	9.00
8	Nadia	20	9.00
9	Paschim Midnapur	20	9.00
10	Purulia	10	4.50
Total		200 MT	90.00

A. 3. Name of Intervention: Production of Hybrid Maize Seed

SI No	Districts	Physical unit in MT with Assistance @ of Rs. 10000/- per MT	Proposed cost involvement (Rs. in lakh)
1	Jalpaiguri	50	5.00
2	Uttar Dinajpur	40	4.00
3	Nadia	120	12.00
4	Purulia	80	8.00
5	Malda	50	5.00
6	Paschim Midnapur	60	6.00
Total		400	40.00

SI No	Districts	Name of crops with physical number and financial outlay (Rs. in lakh)																		Total Financial Outlay
		Hybrid Paddy		Hybrid Maize		Hybrid Sunflower		HVY Rice		HVY Wheat		HVY Olseed		HVY Pulses		Total				
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin					
1	Jalpaiguri	500	4.50	6000	9.00	1.50	8.50	6800	8.50	3000	13.50	2500	2.125	2000	8.00	47.125				
2	Coochbehar	800	7.20	4000	6.00	-	26.875	21500	26.875	2000	9.00	2000	1.70	3000	12.00	62.775				
3	Uttar Dinajpur	1100	9.90	15000	22.50	0.45	35.65	28500	35.65	6000	27.00	6000	5.10	2000	8.00	108.575				
4	Dakshin Dinajpur	700	6.30	500	0.75	0.45	16.00	12800	16.00	2500	11.25	3500	2.975	500	2.00	39.725				
5	Malda	750	6.75	4500	6.75	1.20	28.50	22800	28.50	8500	38.25	4500	3.825	9000	36.00	121.275				
6	Murshidabad	1600	14.40	2000	3.00	0.45	51.875	41500	51.875	20000	90.00	14500	12.325	16000	64.00	236.050				
7	Nadia	1400	12.60	1300	1.95	3.00	40.00	32000	40.00	7000	31.50	13000	11.05	15500	62.00	162.10				
8	North 24-Parganas	1050	9.45	-	-	15.00	36.875	29500	36.875	1500	6.75	7000	5.95	4000	16.00	90.025				
9	South 24-Parganas	850	7.65	300	0.45	129.00	26.875	21500	26.875	-	-	1500	1.275	5500	22.00	187.250				
10	Howrah	800	7.20	-	-	1.80	18.75	15000	18.75	-	-	1000	0.85	500	2.00	30.60				
11	Hooghly	1450	13.05	300	0.45	0.90	41.25	33000	41.25	500	2.25	8500	7.225	500	2.00	67.125				
12	Burdwan	2600	23.40	350	0.525	1.50	87.50	70000	87.50	500	2.25	7000	5.95	1000	4.00	125.125				
13	Birbhum	800	7.20	350	0.525	6.00	30.625	24500	30.625	7000	31.50	5500	4.675	7000	28.00	108.525				
14	Bankura	1300	11.70	300	0.45	12.00	17.50	14000	17.50	1000	4.50	6000	5.10	500	2.00	53.250				
15	Purulia	400	3.60	4500	6.75	2.50	-	-	-	-	-	1000	0.85	7000	28.00	41.450				
16	Paschim Midnapur	1000	9.00	600	0.90	3.00	65.625	52500	65.625	500	2.25	13500	11.475	2000	8.00	100.250				
17	Purba Midnapur	900	8.10	-	-	1.50	60.625	48500	60.625	-	-	3000	2.55	4000	16.00	88.775				
	Total	18000	162.00	40000	60.00	180.00	593.00	474400	593.00	60000	270.00	100000	85.00	80000	320.00	1670.00				

A. 4. Name of Intervention: Varietal Replacement through distribution of Seed Kit (Hybrid & HVY)

B. Creation of Minor Irrigation Facilities

B. Creation of Minor Irrigation Facilities
(Rs. in Lakh)

Sl. No.	Name of District	Construction of STW (D) clusters having approx 6 STW per unit of cluster @ Rs. 7.74 lakh per unit.		Construction of Masonry Channel with the unit of RMT @ Rs. 1000/- per RMT		Total
		Phy.	Fin.	Phy.	Fin.	
1	Coochbehar	42	325.08	-	-	325.08
2	Jalpaiguri	50	387.00	-	--	387.00
3	Uttar Dinajpur	25	193.50	-	-	193.50
4	Darjeeling (Siliguri Sub-Divn.)	13	100.62	28800	288.00	388.62
5	Malda	-	-	38700	387.00	387.00
6	Murshidabad	-	-	38700	387.00	387.00
7	North 24-Parganas	-	-	43180	431.80	431.80
	Total	130	1006.20	149400	1494.00	2500.00

C. Conservation of land & Water Resources

C. Conservation of Land & Water Resources

(Physical – ha. / Nos. / RMT; Financial – Rs. in lakh)

Sl. No.	Name of District	Development of cultivable wastelands into arable land through field bunding / land leveling / graded bunding etc.		Development of wastelands through plantation of cashew nut / mango, guava & lemon etc.		Development of Sand Laden / Riveine Areas through bunding / leveling / Graded Bunding / Protective Bunding etc.		Water Resources Development through excavation Water Harvesting Structures / Rainwater Harvesting Structures / Farm Ponds / Check Dams / Land Shaping etc.		Re-excavation of existing water bodies / Water Harvesting Structures / Rainwater Harvesting Structures / Farm Ponds etc.	
		Phy. (Ha)	Fin.	Phy. (Ha)	Fin.	Phy. (Ha)	Fin.	Phy. (Nos.)	Fin.	Phy. (Nos.)	Fin.
1	Purulia	220	39.60	120	24.00	-	-	90	180.00	90	90.00
2	Bankura	120	21.60	60	12.00	-	-	100	200.00	100	100.00
3	Paschim Midnapur	260	46.80	200	40.00	-	-	100	200.00	100	100.00
4	Birbhum	40	7.20	20	4.00	-	-	60	120.00	60	60.00
5	Burdwan	-	-	-	-	-	-	20	40.00	20	20.00
6	South 24-Parganas	-	-	-	-	-	-	100	50.00	60	18.00
7	Jalpaiguri	-	-	-	-	1500	135.00	60	42.00	-	-
8	Coochbehar	-	-	-	-	1500	135.00	60	42.00	-	-
	Total	640	115.20	400	80.00	3000	270.00	590	874.00	430.00	388.00
	Operational Expenses										
	Grand Total										

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C. Conservation of Land & Water Resources

(Physical – ha. / Nos. / RMT; Financial – Rs. in lakh)

Sl. No.	Name of District	Construction of Dug wells / Ring wells/ Indara etc.		Clearance of Drainage congestion through excavation / re-excavation drainage channels with intermittent barriers etc.		Strengthening of drainage lines with bamboo piling pitching with sand bags etc. protect the arable lands from flash flood.		Water lifting devices to be provided to beneficiary committees / self Groups / Watershed Committees etc.		Misc. contingencies for hiring of vehicle for execution of schemes	Office –wise Total Amount
		Phy.(Nos)	Fin.	Phy. (RMT)	Fin.	Phy. (RMT)	Fin.	Phy. (Nos.)	Fin.		
1	Purulia	40	26.00	-	-	-	-	26	5.46	3.60	368.66
2	Bankura	40	26.00	-	-	-	-	26	5.46	3.60	368.66
3	Paschim Midnapur	120	78.00	-	-	-	-	76	15.96	4.80	485.56
4	Birbhum	80	52.00	-	-	-	-	20	4.20	2.40	249.80
5	Burdwan	20	13.00	-	-	-	-	8	1.68	0.70	75.35
6	South 24-Parganas	-	-	20000	144.00	-	-	80	16.80	2.20	231.00
7	Jalpaiguri	60	18.00	-	-	2000	32.00	50	10.50	2.30	239.80
8	Coochbehar	60	18.00	-	-	2000	32.00	50	10.50	2.30	239.80
	Total	420	231.00	20000	144.00	4000	64.00	336	70.56	21.90	2258.63
	Operational Expenses										61.37
	Grand Total										2320.00

D. Farm Mechanization & Technology Dissemination

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Distribution of Farm Mechanization including Training & Demonstration												
Rate of Assistance : 40 HP Tractor – 4.5 lakh, Power Tiller – 0.45 lakh, Power Reaper – 0.30 lakh, Rotavator – 0.30 lakh												
Sl No	Districts	Proposed cost Involvement (Rs. in lakh)										Total
		Name of Machinery with Unit / No including Training & Demonstration					Trg. & Demonstration @ Rs. 0.10 lakh					
		Tractor	Power Tiller	Power Reaper	Rotavator	Trg. & Demonstration @ Rs. 0.10 lakh	Tractor	Power Tiller	Power Reaper	Rotavator	Trg. & Demonstration	
1	Jalpaiguri	10	150	20	10	30	45	67.5	6	3	3	124.50
2	Coochbehar	10	150	20	10	30	45	67.5	6	3	3	124.50
3	Uttar Dinajpur	5	100	15	5	28	22.5	45	4.5	1.5	2.8	76.30
4	Dakshin Dinajpur	10	100	15	10	28	45	45	4.5	3	2.8	100.30
5	Malda	5	140	15	5	30	22.5	63	4.5	1.5	3	94.5
6	Murshidabad	10	140	25	10	30	45	63	7.5	3	3	121.5
7	Nadia	15	180	25	15	30	67.5	81	7.5	4.5	3	163.5
8	North 24-Parganas	5	150	25	5	30	22.5	67.5	7.5	1.5	3	102.0
9	South 24-Parganas	5	150	25	5	30	22.5	67.5	7.5	1.5	3	102.0
10	Howrah	5	130	15	5	28	22.5	58.5	4.5	1.5	2.8	89.8
11	Hooghly	10	180	30	10	30	45	81	9.0	3	3	141.0
12	Burdwan	10	180	25	10	30	45	81	7.5	3	3	139.5
13	Birbhum	10	140	15	10	28	45	63	4.5	3	2.8	118.3
14	Bankura	10	150	15	10	28	45	67.5	4.5	3	2.8	122.8
15	Purulia	10	130	15	10	30	45	58.5	4.5	3	3	114.0
16	Paschim Midnapur	10	180	25	10	30	45	81	7.5	3	3	139.5
17	Purba Midnapur	10	150	25	10	30	45	67.5	7.5	3	3	126.0
	Total	150	2500	350	150	500	675	1125	105	45	50	2000.00 (say 20 crores)

E. Addressing problematic soils across the State

E. Addressing Problematic Soil across the State
(Rs. in lakh)

Sl No	Name of Districts	Promotion of use of Bio-Fertilizer (Assistance @ of Rs. 112.50/- unit per ha)		Judicious use of Agro Inputs from Plant and Animal origins (Assistance @ of Rs. 500/- unit per ha)		Correction of Soil acidity using liming materials (Assistance @ of Rs. 1500/- unit per ha)	
		Physical	Financial	Physical	Financial	Physical	Financial
1	Jalpaiguri	800	0.90	1000	5.00	1700	25.50
2	Coochbehar	800	0.90	1000	5.00	1700	25.50
3	Uttar Dinajpur	666	0.75	900	4.50	1600	24.00
4	Dakshin Dinajpur	666	0.75	900	4.50	1600	24.00
5	Malda	666	0.75	900	4.50	1400	21.00
6	Murshidabad	800	0.90	1000	5.00	1400	21.00
7	Nadia	800	0.90	1000	5.00	-	-
8	North 24-Parganas	933	1.05	1300	6.50	-	-
9	South 24-Parganas	933	1.05	1300	6.50	-	-
10	Howrah	533	0.60	800	4.00	-	-
11	Hooghly	800	0.90	1000	5.00	-	-
12	Burdwan	933	1.05	1300	6.50	1500	22.50
13	Birbhum	666	0.75	900	4.50	1600	24.00
14	Bankura	800	0.90	1000	5.00	1800	27.00
15	Purulia	800	0.90	1000	5.00	1800	27.00
16	Paschim Midnapur	933	1.05	1100	5.50	1900	28.50
17	Purba Midnapur	800	0.90	1000	5.00	-	-
	Total	13333	15.00	17400	87.00	18000	270.00

E. Addressing Problematic Soil across the State

(Rs. in lakh)

SI No	Name of Districts	Application of secondary & micronutrients (Assistance @ of Rs. 150/- unit per ha)		Community Vermi-compost production unit (Assistance @ of Rs. 60000/- unit per No.)		Vermi-compost production unit in individual farm (Assistance @ of Rs. 8000/- unit per No.)	
		Physical	Financial	Physical	Financial	Physical	Financial
1	Jalpaiguri	3000	4.50	17	10.20	125	10.00
2	Coochbehar	3000	4.50	17	10.20	125	10.00
3	Uttar Dinajpur	2500	3.75	15	9.00	100	8.00
4	Dakshin Dinajpur	2500	3.75	15	9.00	100	8.00
5	Malda	2500	3.75	16	9.60	100	8.00
6	Murshidabad	3000	4.50	17	10.20	125	10.00
7	Nadia	3000	4.50	17	10.20	125	10.00
8	North 24-Parganas	3500	5.25	15	9.00	125	10.00
9	South 24-Parganas	3500	5.25	14	8.40	125	10.00
10	Howrah	2000	3.00	17	10.20	100	8.00
11	Hooghly	3000	4.50	15	9.00	125	10.00
12	Burdwan	3500	5.25	18	10.80	125	10.00
13	Birbhum	2500	3.75	16	9.60	100	8.00
14	Bankura	3000	4.50	18	10.80	125	10.00
15	Purulia	3000	4.50	18	10.80	125	10.00
16	Paschim Midnapur	3500	5.25	18	10.80	125	10.00
17	Purba Midnapur	3000	4.50	17	10.20	125	10.00
	Total	50000	75.00	280	168.00	2000	160.00

E. Addressing Problematic Soil across the State
(Rs. in lakh)

SI No	Name of Districts	Kutcha Compost pit in individual farm (Assistance @ of Rs. 1000/- per pit per Unit)		Total (Financial Rs. in lakh)
		Physical	Financial	
1	Jalpaiguri	1200	12.00	68.10
2	Coochbehar	1200	12.00	68.10
3	Uttar Dinajpur	1000	10.00	60.00
4	Dakshin Dinajpur	1000	10.00	60.00
5	Malda	1200	12.00	59.60
6	Murshidabad	1300	13.00	64.60
7	Nadia	1300	13.00	43.60
8	North 24-Parganas	1600	16.00	47.80
9	South 24-Parganas	1600	16.00	47.20
10	Howrah	1000	10.00	35.80
11	Hooghly	1500	15.00	44.40
12	Burdwan	1600	16.00	72.10
13	Birbhum	1300	13.00	63.60
14	Bankura	1300	13.00	71.20
15	Purulia	1300	13.00	71.20
16	Paschim Midnapur	1600	16.00	77.10
17	Purba Midnapur	1500	15.00	45.60
	Total	22500	225.00	1000.00