



**DISTRICT ACTION PLAN (DAP)**

**YEAR 2010-11**

**NATIONAL FOOD SECURITY MISSION  
(N.F.S.M.) PULSES**

**OF**

**SERAIKELLA-KHARSWAN DISTRICT**

**(JHARKHAND)**

*Prepared By:*

**AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY**

**(ATMA)**

**SARAIKELLA-KHARSWAN**

# **ANNUAL ACTION PLAN**

## **N.F.S.M. (PULSES)**

### **SERAIKELLA**

#### **PART – A**

#### **General Information of Seraikella District**

#### **PART – B**

#### **Annual Action Plan for the year 2010-11**

## PART - A

### BACKGROUND INFORMATION OF THE DISTRICT :-

#### Location & Map

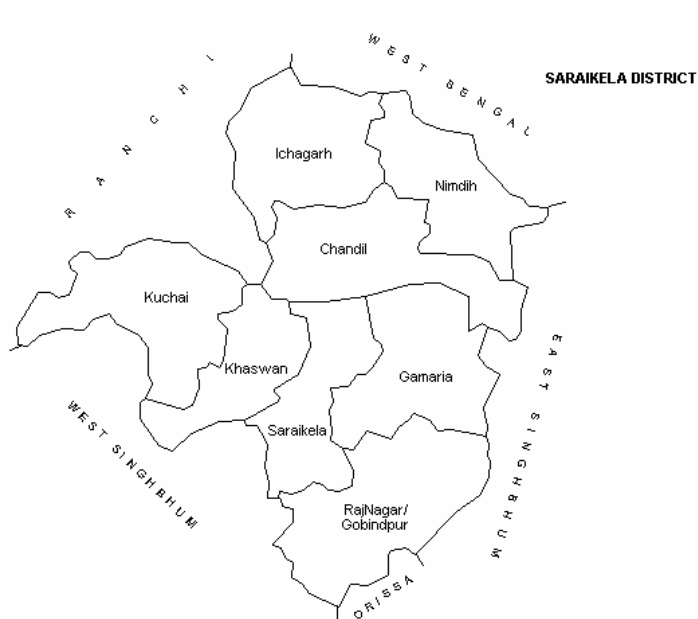
Longitude, East	Between	85°30'14"	&	86°15'24"
Latitude, North	Between	22°29'26"	&	23°09'34"

Boundary Districts	<b>West</b>	<b>North</b>	<b>East</b>	<b>South</b>
	Ranchi & W. Singhbhum	W.Bengal	East Singhbhum	Orissa & W. Singhbhum

*Source : National Atlas*

Rural Area, ha Census 2001 265413	Urban Area, ha Town Directory, 2001 6570	Total area, ha Census 2001 271983	Geographical Area, ha Surveyor General* 316990
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Administrative Classification, nos.	<b>Sub-division</b> 2	<b>Blocks</b> 8	<b>Panchayat</b> 118	<b>Village</b> 1223
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# DISTRICT PROFILE AT A GLANCE

## AS PER 2001 CENSUS

### 1. LOCATION :

(i) North Latitude	:	21 <sup>0</sup> 58' and 23 <sup>0</sup> 56'
(ii) East Longitude	:	85 <sup>0</sup> and 86 <sup>0</sup>

### 2. WEATHER :

(i) Lowest Temperature	:	8 degree Celsius
(ii) Highest Temperature	:	42 degree Celsius
(iii) Rainfall Normal	:	1434.60 mm
(iv) Rain fall Actual in 2003	:	195.60 mm

3. AREA (SQ. KMS.) : 281144.84 Ha.

### 4. ADMINISTRATIVE DIVISION :

(i) Taluka/Block/Prakhand	:	8
(ii) Panchayat Samitee	:	
(iii) Town Villages	:	03
(iv) Total Villages :		
(a) Inhabited	:	1146
(b) Unhabitated	:	
(v) Municipalities	:	03
(vi) Gram Panchayat	:	135

### 5. POPULATION :

#### *Out of Which*

(a) Male	:	434638
(b) Female	:	413669
(c) Rural	:	599012
(d) Urban	:	108430
(e) Schedule Caste	:	42500
(f) Schedule Tribe	:	718516

<b>6.</b>	<b>DENSITY OF POPULATION PER SQ. KM.</b>	:	233
<b>7.</b>	<b>LITERACY RATE (%)</b>	:	34.37
	<i>Male</i>	:	39
	<i>Female</i>	:	13
	<i>SCs</i>	:	15
	<i>STs</i>	:	22
<b>8.</b>	<b>CLASSIFICATION OF WORKERS :</b>		
	(a) <i>Cultivators</i>	:	226630
	(b) <i>Agriculture Labours</i>	:	52027
	(c) <i>Other Workers</i>	:	81559
	(d) <i>Marginal</i>	:	94282
<b>9.</b>	<b>RAINFALL (MM) NORMAL</b>	:	1434.50
<b>10.</b>	<b>LAND USE PATTERN (HECTARES) :</b>		
	(a) <i>Total Geographical Area (Ha.)</i>	:	281544.79
	(b) <i>Net Cultivated Area</i>	:	79803.15
	(c) <i>Forest</i>	:	60700.84
	(d) <i>Area under multiple cropping</i>	:	--
	(e) <i>Gross Cropped Area</i>	:	140512.15
<b>11.</b>	<b>LAND HOLDING PATTERN :</b>		
	<i>Particulars</i>		
	(a) <i>Less than 1 Hactare</i>	:	122886
	(b) <i>Between 1 &amp; 2 Hactare</i>	:	88614
	(c) <i>Above 2 Hactares</i>	:	535273
<b>12.</b>	<b>IRRIGATION (AREA IN HA.):</b>		
	(a) <i>Net Area Irrigated</i>	:	5728.50
	(b) <i>Source of Irrigation</i>	:	<i>Channels, Wells, Dam etc.</i>
	(c) <i>Ground water potential available</i>	:	--
	(d) <i>Gray area</i>	:	<i>Nil</i>
	(e) <i>White area</i>	:	<i>All blocks are white.</i>

**13. AGRICULTURAL PATTERN SEASONWISE CROPS SOWN (HA.)**

(a)	<i>Paddy</i>	:	77244
(b)	<i>Wheat</i>	:	--
(c)	<i>Maize</i>	:	850
(d)	<i>Pulses</i>	:	1985
(e)	<i>Oil Seeds</i>	:	145.39
(f)	<i>Vegetables</i>	:	966
(g)	<i>Others (Please specify) Potato</i>	:	522

**14. PRODUCTION OF AGRICULTURE CROP:**

	<i>Total Production (MT)</i>	<i>Av. Yield qnt/ha</i>	
(a)	<i>Paddy</i>	111597.29	15.21%
(b)	<i>Wheat</i>	1770.29	17.65%
(c)	<i>Pulses</i>	2544.75	13.50%
(d)	<i>Oil Seeds</i>	5373.56	10.71%

**15. ANIMAL HUSBANDRY**

(a)	<i>Plough Animals</i>	:	64
(b)	<i>Dairy Animals</i>	:	50
	<i>Cross bred Cows</i>	:	50
(c)	<i>Piggery</i>	:	1400

**Table 3.1 : Land use classification of the district according to block wise shown in table given below-**

Sl. No.	Block Name	Total Geographical area	Forest Area	Barren & Uncultivable Area	Land Used for Non-agricultural use	Cultivable wste land	Pasture Land	Other fallow	Current fallow	Land under Misc. Tree crops	Net crop area
1	Seraikela	36120.78	3063.99	5572.79	3332.21	1903.64	528.96	3416.19	4299.11	548.42	13454.75
2	Kharsawan	23463.53	5094.23	1367.9	1804.03	1266.22	282.95	1796.54	1637.29	19.25	10195.12
3	Kuchai	38403.11	11913.36	3122.09	1445.78	28.28	2371.52	3756.72	5088.28	1905.44	8771.64
4	Gamharia	28129.27	8759.37	2108.25	3011.29	2427.78	46.26	2161.44	3360.47	18.13	6236.34
5	Chandil	37369.67	18113.63	2296.74	3664.85	2324.4	882.56	1929.56	2814.95	863.26	4476.72
6	Nimdih	29143.58	6451.63	3882.09	2472.36	866.72	226.17	4116.51	3131.28	276.46	7719.75
7	Ichagarh	34976.44	3289.4	3479.23	4256.44	2705.26	809.97	5116.1	3778.53	438.11	11106.4
8	Rajnagar	53938.41	4015.23	7484.08	6248.06	3324.92	447.51	6336.05	7969.82	270.31	17842.43
	<b>Total</b>	<b>281544.79</b>	<b>60700.84</b>	<b>29313.17</b>	<b>26235.02</b>	<b>14847.22</b>	<b>5595.9</b>	<b>28629.11</b>	<b>32079.73</b>	<b>4339.38</b>	<b>79803.15</b>

Source : District Statistical outline

The climatic condition of the district is tropical which comprises of (a) Hot and dry summer season. (b) Humid and warm rainy season. (c) Winter season. The Summer season begins from the month of March and end by the month June. The southeast monsoon from Bay of Bengal comes here in the mid of June and frequent moderate to heavy rains occurs in the district. Monsoon lasts up to the month of September, July and August receives maximum rainfalls in the district. During the rest of the year the weather remains normally dry, with occasional summer rain in the evening. However due to the proximity of the region to the coastal area of the Bay of Bengal. The district gets good rainfall of 1150 to 1350 mm. However the maximum rainwater goes off as waste due to excessive run –off water. Maximum temperature recorded during summer is 44.4 C. Due to this the district receive good rainfall and preponderance of forest cover many perennial streams are in the districts. The 2 major rivers are Swarnarekha and Kharkai and another 2 small rivers are Sanjay and Sona, They are perennial river. Surface water resources is available in the district.

**Table 3.2 : Average annual rainfall of the district according to blockwise and month wise is shown in Table given below -**

Sl. No.	1	2	3	4	5	6	7	8
Block Name	Seraikela	Kharsawan	Kuchai	Gamharia	Chandil	Nimdih	Ichagarh	Rajnagar
January	10.8	3.7	2.8	14	17.05	20	2.82	11.15
February	14.9	3.6	3.9	11.2	26.7	7.94	7.94	15.25
March	8.4	24	24	36	21.8	1.11	1.11	9
April	31	29.33	29.9	28.2	34.5	1.55	1.55	30.96
May	36.78	54.9	53.4	63	6	18.7	18.7	30.9
June	132	162.1	163	219	72.75	88.83	88.83	150
July	220.2	307.7	308.25	281	357.4	193.75	193.75	221
August	383.6	427.6	425.6	359	372	155.7	155.7	375.7
September	182.7	211.7	213.45	227	342.4	86.57	86.57	190.7
October	52.5	87.1	85.4	94	25.6	11.3	11.3	50.5
November	5.8	3.3	2.9	3	15.5			4.85
December		0.55		2.4	12.5			1.5

Source : District Statistical outline

According to 2001 Census the total population of the district is 848850. Rural population is 83.70% of the total population while urban is 16.30% ST population in the district is 35.91%. Mostly Santhal, Bhumij and Ho constitute 85% of the Tribal population. According to 2001 census female population is 48.76 , male population is 51.24%. Increase in population during the decade is 19.96%, Literacy is 50.7% the total no. of villages are 1187 and total Panchayat is 123.

The economy of the area depends on Agriculture. Mainly one crop Paddy grown by the farmers in Kharif and land remains uncultivated for rest of the year. Almost agriculture is based on rainfed. The farming system is traditional and old fashioned. Due to lack of irrigation facilities and finance they do not have any technological and mechanical support for farming. Marginal and land less farmers look for employment elsewhere such as brick kilns, crasser and daily wages in road construction work. Farmer's classification according to land holding size and caste wise of the district is shown in table given below

**Table 3.4 : Farmers Classification according to Land Holding Size**

Sl. No.	Land holding Size	Population Type	Seraikela	Rajnagar	Gamharia	Kuchai	Kharsawan	Nimdih	Chandil	Ichagarh
1	Upto 1 Hect.	ST	3252	3746	1591	3454	2382	2906		828
		SC	551	209	511	188	211	442	462	158
		Other	9151	7731	6011	11347	6415	6839	8779	2956
		<b>Total</b>	<b>12954</b>	<b>11686</b>	<b>8113</b>	<b>14989</b>	<b>9008</b>	<b>10187</b>	<b>9241</b>	<b>3942</b>
2	More than 1 hect & below 2 hect.	ST	811	1562	500	916	646	768		911
		SC	110	35	88	21	125	59	52	227
		Other	2458	2976	1236	1058	1576	1855	1665	4552
		<b>Total</b>	<b>3379</b>	<b>4573</b>	<b>1824</b>	<b>1995</b>	<b>2347</b>	<b>2682</b>	<b>1717</b>	<b>5690</b>
3	More than 2 hect & below 4 hect.	ST	786	1754	478	1025	530	675		790
		SC	108	40	145	27	11	18	29	263
		Other	2067	3121	1195	1180	1297	1555	1211	3335
		<b>Total</b>	<b>2961</b>	<b>4915</b>	<b>1818</b>	<b>2232</b>	<b>1838</b>	<b>2248</b>	<b>1240</b>	<b>4388</b>
4	More than 4 hect & below 10 hect.	ST	401	888	267	866	265	301		6
		SC	31	1	50	11	6	13	13	3
		Other	1009	1656	657	969	705	756	817	31
		<b>Total</b>	<b>1441</b>	<b>2545</b>	<b>974</b>	<b>1846</b>	<b>976</b>	<b>1070</b>	<b>830</b>	<b>40</b>
5	More than 10 hect.	ST	72	71	24	198	32	25		1
		SC	4		12	3			2	-
		Other	153	188	64	196	93	50	143	6
		<b>Total</b>	<b>229</b>	<b>259</b>	<b>100</b>	<b>397</b>	<b>125</b>	<b>75</b>	<b>145</b>	<b>7</b>

As district has preponderance of forest, but due to continuous exploitation of forest, the excessive run-off water goes as waste. The uplands are subjected to excessive erosion as some villages are forest villages, mostly tribal villages are forest villages. The people are somehow dependent on forest products despite their dependency on forest products their main occupation is agriculture.

**Table 3.10 : Rural Working Population**

Block	Type of work (Main)								
	Cultivator			Agri. Labour			Main Agri. worker as % of Population		
	M	F	T	M	F	T	M	F	T
Kuchai	6124	2699	8823	1884	1258	3142	31.19	15.66	23.49
Kharsawan	4494	1152	5646	1385	658	2043	18.45	5.79	12.19
Chandil	6116	1058	7174	2808	1199	4007	15.54	4.13	9.98
Ichagarh	12256	2193	14449	3731	1506	5237	33.31	8.07	20.98
Nimdih	7585	1822	9407	3516	1500	5016	24.15	7.58	16.06
Adityapur (Ghamaria)	5324	902	6226	1753	655	2408	13.61	3.14	8.49
Saraikella	5691	1834	7525	2730	1425	4155	27.48	10.83	19.23
Gobindpur (Rajnagar)	13262	3876	17138	2606	1678	4284	27.11	9.51	18.32
<b>Total</b>	<b>60852</b>	<b>15536</b>	<b>76388</b>	<b>20413</b>	<b>9879</b>	<b>30292</b>	<b>23.21</b>	<b>7.50</b>	<b>15.48</b>

*Source : Census 2001 & SRI Analysis*

**Table 3.11 : Animal Wealth with Farmers**

Animal	Number	Animal	Number
Cow	221635	Pig	10057
Buffalo	28899	Poultry birds	943999
Calf	68328	Goat	191254
Bullock	165392	Duck	100895
Sheep	105365		

**Table 3.12 : Status of Seed Multiplication Farms**

Location, Block	Rajnagar	Chandil	Kuchai	Gamharia	Nimdih
Area, ha.	10	10	10	10	10
Usable area, %	70	90	90	60	95
Boundary protection	Nil	Trench	Bush	Nil	Nil
Condition of boundary	Need repair	Need repair	Need repair	Need repair	Work going on
Source of Irrigation W = Well, P = Pond, L = From rivulet	1W 1L	1W 2 P	1 P 1L	1W 1P	1L
Condition of Irrigation Source	Bad	Bad	Bad	Bad	Bad
Pump, No.	Nil	Nil	1	Nil	Nil
Pump, Condition	Bad	Bad	Bad	Bad	Bad
Other Equipments & Condition	Nil	Nil	Nil	Nil	Nil
Building, No.	-	01	01	01	01
Built up area, sq. ft.	-	950	950	950	950
Condition of building	-	Need repair	Need repair	Need repair	Need repair
Overall Status of SMF.	Operational	Not Operational	Operational	Not Operational	Operational

*Source : Field Data***Table 3.14 : Rural Market**

Block	Daily (no.)	Weekly (no.)
Kuchai	0	3
Kharsawan	0	2
Chandil	1	2
Ichagarh	2	2
Nimdih	1	4
Adityapur (Ghamaria)	2	4
Saraikeella	1	2
Gobindpur (Rajnagar)	0	2
<b>Total</b>	<b>7</b>	<b>21</b>

*Source : Field Visit*

## Soils

The soils occurring in different landforms have been characterized during soil resource mapping of the state on 1:250,000 scale and three soil orders namely Entisols, Inceptisols and Alfisols were observed in Saraikela district. Alfisols were the dominant soils covering 53.8 percent of TGA followed by Inceptisols (26.5 %) and Entisols (17.4%).

**Table 3. 16 : Soils under different reaction classes**

Soil Reaction	Area ('00 ha)	% of the TGA
Very Strongly acidic (pH 4.5 to 5.0)	659	24.2
Strongly Acidic (pH 5.1 to 5.5)	1169	42.9
Moderately acidic (pH 5.6 to 6.0)	628	23.1
Slightly acidic (pH 6.1 to 6.5)	162	5.9
Neutral (pH 6.6 to 7.3)	43	1.6
Miscellaneous	64	2.3
Total	2725	100.0

**Table 3.17 : Organic Carbon status**

Organic Carbon (%)	Area ('00 ha)	% of the TGA
Low (below 0.50 %)	411	15.1
Medium (0.50 -0.75%)	605	22.2
High (above 0.75%)	1645	60.4
Miscellaneous	64	2.3
Total	2725	100.0

**Tbale 3.18 : Available Nitrogen Status in the surface Soils**

Available Nitrogen (Kg ha-1)	Area ('00 ha)	% of the TGA
Low (below 280)	337	12.4
Medium (280-560)	2185	80.2
High (above 560)	139	5.1
Miscellaneous	64	2.3
Total	2725	100.0

**Table 3.19 : Available Phosphorous status in the surface soils**

Available Phosphorous (Kg ha-1)	Area ('00 ha)	% of the TGA
Low (below 10)	2585	94.9
Medium (10-25)	74	2.7
High (above 25)	2	0.1
Miscellaneous	64	2.3
<b>Total</b>	<b>2725</b>	<b>100.0</b>

**Table 3.20 : Available Potassium status in the surface soils**

Available Potassium (Kg ha-1)	Area ('00 ha)	% of the TGA
Low (below 108)	746	27.4
Medium (108-280)	1765	64.8
High (above 280)	150	5.5
Miscellaneous	64	2.3
<b>Total</b>	<b>2725</b>	<b>100.0</b>

**Table 3.21 : Available Zinc status in the surface soils**

Available Zinc (Mgkg-1)	Area ('00 ha)	% of the TGA	Rating
< 0.5	98	3.6	Deficient
0.5 -1.0	439	16.1	Sufficient
1.0-2.0	1188	43.6	
2.0-3.0	632	23.2	
3.0-6.0	304	11.2	
Miscellaneous	64	2.3	
<b>Total</b>	<b>2725</b>	<b>100.0</b>	

**Table 3.22 : Available copper status in the surface soils**

<b>Available Copper (Mgkg-1)</b>	<b>Area ('00 ha)</b>	<b>% of the TGA</b>	<b>Rating</b>
< 0.2	147	5.4	Deficient
0.2 -0.5	38	1.4	Sufficient
0.5-1.0	112	4.1	
1.0-2.0	400	14.7	
2.0-4.0	847	31.1	
Miscellaneous	64	2.3	
<b>Total</b>	<b>2725</b>	<b>100.0</b>	

**Table 3.23 : Available Boron status in the surface soils**

<b>Available Boron (Mgkg-1)</b>	<b>Area ('00 ha)</b>	<b>% of the TGA</b>	<b>Rating</b>
< 0.25	694	25.5	Deficient
0.25-0.50	802	29.4	
0.50-0.75	555	20.4	Sufficient
> 0.75	610	22.4	
Miscellaneous	64	2.3	
<b>Total</b>	<b>2725</b>	<b>100.0</b>	

**Table 3.24 GENERAL FEATURES OF SERAIKELA – KHARSAWAN DISTRICT,  
JHARKHAND**

Sl. No	Name of the Block	No. of Gram Panchayats	Information											
			Average Rainfall (in mm) and rainy days						Temperature (°C)			Relative Humidity (%)		
			2002 Actual rain fall		2003 Actual rain fall		2004 Actual rain fall		2002	2003	2004	2002	2003	2004
			Avg. rain fall in mm	No. of rainy days	Avg. rain fall in mm	No. of rainy days	Avg. rain fall in mm	No. of rainy days	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max
1.	Seraikela	15	906		959		859		5-42	6-44	5-46	60-85	60-85	62-76
2.	Kharsawan	12	1103		1005		1058		6-40	5-42	6-44	70-92	65-85	67-87
3.	Kuchai	10	NA		NA		1117		5-40	6-41	5-40	65-95	NA	70-93
4.	Gamharia	16	666		286		1419		8-45	7-44	7-48	NA	NA	70-95
5.	Chandil	18	888		824		864		8-47	7-45	6-46	NA	55-79	65-81
6.	Nimdih	16	247		NA		942		7-45	6-45	6-46	55-85	NA	70-85
7.	Ichagarh	15	NA		NA		757		6-41	5-40	6-43	NA	NA	50-73
8.	Rajnagar	18	NA		NA		884		7-48	6-46	7-47	62-87	NA	53-86

\*\* NA (Not available)

**Table 3.28 : AREA, PRODUCTION AND PRODUCTIVITY OF IMPORTANT COMMODITIES IN SERAIKELA – KHARSAWAN DISTRICT**

Sl. No.	Name of the commodity	2000			2004		
		A	P	PY	A	P	PY
1	Paddy	66693	92236.4	1.383	75530.4	114881.13	1.521
2	Maize	1270.0	1818.6	1.432	1985.01	2679.75	135
3	Red gram	295.0	174.05	0.59	365.04	226.03	0.62
4	Groundnut	288	259	0.902	293.04	256.37	0.874
5	Potato	49	NA	NA	56.04	55.12	9.73
6	Tomato	102	2040	20.4	105.0	2001	20.43

A- Area in ha.

P- Production in M. tons.

PY- Productivity in tons / ha

**Table 3.31 : DEMOGRAPHIC INFORMATION OF THE SERAIKELA - KHARSAWAN DISTRICT**

Sl. No.	Name of the Blocks	Total Household	Population (As per 2001 census Total)	Male No	Female No	% of Literacy	Workers No.		Categories No.	
							Agri.	Non - Agri	SC	ST
1	Seraikela	14916	79604	40680	38924	53.26%	13426	6256	4806	32658
2	Kharsawan	13801	69888	35410	34478	44.6 %	15399	14337	4930	26523
3	Kuchai	10496	50938	25676	25262	28.0%	12918	14255	891	39789
4	Gamharia	43688	231464	121396	110068	57.69%	22701	28876	13369	49414
5	Chandil	22506	116403	59693	56710	43.95%	22139	24089	5913	41104
6	Nimdih	17739	89788	45973	43815	41.65%	21565	2975	3738	28903
7	Ichagarh	19107	93830	47989	45841	38.13%	19504	24440	6669	27488
8	Rajnagar	21781	116935	58522	58413	41.20%	28474	2472	2582	58971

**Table 3.35 : INFORMATION REGARDING MARKETS IN THE SERAIKELA - KHARSAWAN DISTRICT**

Sl. No.	Name of the Block	Name of the market center	Periodicity (Weekly daily)	Important commodities handled	Commodity wise quantity handled (annual)	Area covered	No. of farm families covered	Other information regarding market
1.	Seraikela	Local Hat & City Market	Weekly & Daily	Food grains, vegetables, Cloths & other		Seraikela, Kharsawan, Kuchai	14916	
2.	Kharsawan	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Kharsawan, Kuchai	13801	
3.	Kuchai	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Kuchai, Kharsawan	10496	
4.	Gamharia	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Gamharia, Rajnagar	43688	
5.	Chandil	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Chandil, Nimdih, Ichagarh	22506	
6.	Nimdih	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Nimdih, Chandil	17739	
7.	Ichagarh	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Ichagarh, Patamda	19107	
8.	Rajnagar	Local Hat Market	Weekly	Food grains, vegetables, Cloths & other		Rajnagar, Hata, Huludpukur	21781	

## PRESENT SCENARIO OF PULSES (KHARIF & RABY)

खरीफ 2005-06 का फसलवार लक्ष्य/आच्छादन/उत्पादन/उत्पादकता सम्बंधी प्रतिवेदन, जिला :  
सरायकेला-खरसावाँ

क्र०	फसल का नाम	आच्छादन का लक्ष्य हे० में	आच्छादन हे० में	उत्पादन मेट्रीक टन में	उत्पादकता किलो/हे० में
1	अरहर	4000	511	321.93	6.30
2	उरद	12000	6689	3244.17	4.85
3	मूँग	4200	71	36.92	5.20

खरीफ 2006-07 का फसलवार लक्ष्य/आच्छादन/उत्पादन/उत्पादकता सम्बंधी प्रतिवेदन, जिला :  
सरायकेला-खरसावाँ

क्र०	फसल का नाम	आच्छादन का लक्ष्य हे० में	आच्छादन हे० में	उत्पादन मेट्रीक टन में	उत्पादकता क्वी०/हे० में
1	अरहर	5000	2096	1718.72	8.20
2	उरद	12500	7096	4612.40	6.50
3	मूँग	4700	1250	650.00	5.20
4	कुलथी	1290	934	420.30	4.50

वर्ष 2007-08 में खरीफ के विभिन्न फसलों का फसलवार आच्छादन / उत्पादन / उत्पादकता सम्बंधी प्रतिवेदन

क्र०	फसल का नाम	लक्ष्य (हे० में)	आच्छादन (हे० में)	उत्पादन (टन में)	उत्पादकता (कि०/हे० में)
1	धान	91300	91300	205425.00	22.50
2	मकई	4400	4039	6583.57	16.30
3	उरद	10000	8202	6151.50	7.50
4	मुँग	5000	2399	1463.39	6.10
5	कुलथी	1600	1381	621.45	4.50
6	मुँगफली	525	213	289.68	13.60
7	तिल	450	264	102.96	3.90
8	सरगुजा	225	171	53.01	3.10

वर्ष 2008-09 में खरीफ के विभिन्न फसलों का फसलवार आच्छादन / उत्पादन / उत्पादकता सम्बंधी प्रतिवेदन

क्र०	फसल का नाम	लक्ष्य (हे० में)	आच्छादन (हे० में)	उत्पादन (टन में)	उत्पादकता (कि०/हे० में)
1	उरद	10000	8202	6151.50	7.50
2	मुंग	5000	2399	1463.39	6.10
3	कुलथी	1600	1381	621.45	4.50

रब्बी 2005-06 का फसलवार लक्ष्य/आच्छादन/उत्पादन/उत्पादकता सम्बंधी प्रतिवेदन,  
जिला : सरायकेला-खरसावाँ

क्र०	फसल का नाम	लक्ष्य हे० में	आच्छादन हे० में	उत्पादन टन में	उत्पादकता किलो/हे० में
1	चना	1000	341	298.38	875
2	मसूर	500	84	144.06	1715
3	अन्य दलहन	750	330	319.11	967

वर्ष 2006-07 में रब्बी के विभिन्न फसलों का फसलवार आच्छादन/उत्पादन एवं उत्पादकता सम्बंधी प्रतिवेदन

क्र०	फसल का नाम	आच्छादन	उत्पादन (मी० टन में)	उत्पादकता (क्वी०/हे० में)
1	चना	3264	2859.26	8.76
2	मसूर	21	35.95	17.12

वर्ष 2007-08 में रब्बी के विभिन्न फसलों का फसलवार आच्छादन / उत्पादन / उत्पादकता सम्बंधी प्रतिवेदन

क्र०	फसल का नाम	लक्ष्य (हे० में)	आच्छादन (हे० में)	उत्पादन (टन में)	उत्पादकता (कि०/हे० में)
1	चना	5000	4109	3739.19	910.00
2	मसूर	500	416	717.60	1725.00

वर्ष 2008-09 में रब्बी के विभिन्न फसलों का फसलवार आच्छादन/ उत्पादन/ उत्पादकता सम्बंधी प्रतिवेदन

क्र०	फसल का नाम	लक्ष्य (हे० में)	आच्छादन (हे० में)	उत्पादन (टन में)	उत्पादकता (कि०/हे० में)
1	चना	5000	4109	3739.19	910.00
2	मसूर	500	416	717.60	1725.00

## PART - B

### Annual Action Plan for National Food Security Mission-Pulse SERAIKELLA, Jharkhand (2010-11)

District – Seraikella – Kharsawan				Rs. In Lakh				
Sl. No.	Intervention	Approved Rate of Assistance	Unit	Tentative Targets of District		Targets Proposed of district		
				Physical	Financial	Physical	Financial	
1	Minikits Arhar - 9000Ha. Urad - 10000Ha. Kulthi - 5000Ha. Moong - 7000Ha. 31000Ha. Pea - 2000Ha. Lentil - 2000Ha. Gram - 10000Ha. 14000Ha. Total 45000Ha.	Full cost	No			1 Pigeon pea	180	
						2 Urad	200	
						3 Kulthi	100	
						4 Moong	140	
						5 Pea	40	
						6 Lentil	40	
						7 Gram	200	
						<b>Total</b>	<b>907</b>	
				2	Integrated Nutrient Management(INM)	50% of the cost or Rs.1250/- per ha,		
		2 Urd	1000					12.50
		3 Kulthi	500					6.25
		4 Moong	700					8.75
		5 Pea	200					2.50
		6 Lentil	200					2.50
		7 Gram	1000					12.50
		<b>Total</b>	<b>4500</b>					<b>56.25</b>
(i)	Incentive for liming	Rs. 750 per ha				3000Ha.	22.50Ha.	
(ii)	Incentive for micronutrients	Rs. 500/ha				1500Ha.	7.50Ha	
3	Integrated Pest Management (IPM)	50% of the cost or Rs. 750 per ha whichever is less .				1 Pigeon pea	900	11.25
						2 Urd	1000	12.50
						3 Kulthi	500	6.25
						4 Moong	700	8.75
						5 Pea	200	2.50
						6 Lentil	200	2.50
						7 Gram	1000	12.50
						<b>Total</b>	<b>4500</b>	<b>56.25</b>
4	Incentive for sprinkler sets	50% of the cost or Rs. 7500/- per ha, whichever is less.				300	22.50	
5	Incentive for Zero Till Seed Drills / multicrop planters/Seed Drills	50% of the cost or Rs. 15,000 per machine, whichever is less.	Nos.			50	7.50	

District - Seraikella - Kharsawan				Rs. In Lakh				
Sl. No.	Intervention	Approved Rate of Assistance	Unit	Tentative Targets of District		Targets Proposed of district		
				Physical	Financial	Physical	Financial	
6	Incentive on Rotovators.	50% of the cost limited to Rs. 30,000 per machine, whichever is less.	Nos.			50	15.00	
7.	Incentive for Pump Sets	50% of the cost limited to. Rs. 10,000 per machine whichever is less.	Nos.			300	30.00	
8.	Incentive on Knap Sack Sprayers (Manual and power operated)	50% of the cost limited to Rs. 3,000 per machine, whichever is less.	Nos.			400	12.00	
9.	Training of Farmers on FFS pattern	Farmers training on the pattern of FFS @Rs.17000/ha - one training of 30 farmers for entire crop season at every 1000 ha.	No.			1 Pigeon pea	9	1.53
						2 Urd	10	1.70
						3 Kulthi	5	0.85
						4 Moong	7	1.19
						5 Pea	2	0.34
						6 Lentil	2	0.34
						7 Gram	10	1.70
						Total	45	7.65

**Annual Action Plan for National Food Security Mission-Pulse  
SERAIKELLA Jharkhand (2010-11)**

**District- SERAIKELLA**

Seed replacement in 33%

S.No.	Crop	Area in ha 20010-11	Total Certified Seed requirement /District qtl.	certified seed required in qtl for seed replacement in 1000 ha
1	Pigeon pea	9000	1800	594.00
2	Urd	10000	2000	660.00
3	Kulthi	5000	1000	330.00
4	Moong	7000	1400	462.00
5	Pea	2000	1500	495.00
6	Lentil	2000	600	198.00
7	Gram	10000	750	247.50
<b>Total</b>		<b>45000.00</b>	<b>9050.00</b>	<b>2986.50</b>

**11. Seed Production in State Seed Farm :-**

1. SM Farm Nimdih	-	2Ha.	20Qt.	x Rs. 1000.00 = 20000.00
2. SM Farm Rajnagar	-	2Ha.	20Qt.	x Rs. 1000.00 = 20000.00
3. SM Farm Kuchai	-	2Ha.	20Qt.	x Rs. 1000.00 = 20000.00
4. SM Farm Chandil	-	2Ha.	20Qt.	x Rs. 1000.00 = 20000.00
5. Seed Production in Seed Village	-	<u>4Ha.</u>	<u>40Qt.</u>	<u>x Rs. 1000.00 = 40000.00</u>
<b>Total</b>		<b>12Ha.</b>	<b>120Qtl.</b>	<b>120000.00</b>

**12. Misc. Expenditure :-**

1. Project Management Team and Other Misc. Exp. At District Level	-	4.47 lakhs
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