

*Inception Report of the project*

Enhancing status of small women farmers by improving their strategic role in agriculture through building two tier women led collectives, increased agriculture productivity and ensuring efficient backward and forward systems

**Purnea, Khagaria & Jamui** districts of Bihar

**Submitted to:**

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**Cc:**

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**INCEPTION REPORT****1. Organization (PIA) detail:**

i.	Name of PIA with contact details	Action for Social Advancement (ASA), E-5/A, Girish Kunj, Arera Colony, Bhopal- 462016. +91-755-2427369 & 4057926, Fax +91-755- 4057925 Email: asa@asabhopal.org. <a href="http://www.asaindia.org">Url: www.asaindia.org</a> .
ii.	Legal Status ( <i>NGO / Network NGO / CBO / Producer Co. / Section-25 Co. / Pvt. Co</i> )	Not for profit NGO registered under the Gujarat Societies Registration Act. 1860 and the Bombay Public Trust Act, 1951.
iii.	Registration No. & Date of Registration	F-801-PMS /20 May 1996 /Gujarat
iv.		GJ.835.PMS /20 May 1996 /Gujarat
v.	Project Title	Enhancing status of small women farmers by improving their strategic role in agriculture through building two tier women led collectives, increased agriculture productivity and ensuring efficient backward and forward systems Purnea, Khagaria & Jamui districts of Bihar
vi.	Project Coverage	Three districts <ul style="list-style-type: none"> <li>• District: Purnea: Block : Bhawanipur</li> <li>• District: Khagaria: Block : Chautham</li> <li>• District: Jamui: Block : Chakai</li> <li>• No of villages : 67</li> <li>•</li> </ul>
vii.	Project Cost	<ul style="list-style-type: none"> <li>• Total Rs.13.17 Crores</li> <li>• MoRD funds: Rs.7.19 Crores. – 55% of project cost</li> <li>• ASA contribution: Rs.3.61 Crores – 27% of project cost</li> <li>• Comm. contribution 2.37 Crores. – 18% of project cost</li> </ul>
viii.	Project Approval Reference	<ul style="list-style-type: none"> <li>• K-11034/81/2011/MKSP/PAC dt. 27.06 2011</li> <li>• K-11011/25/2011MKSP/Bhr dt. 14.09.2011</li> </ul>
ix.	Date of MoU signed	21 <sup>st</sup> September 2011
x.	Fund Release status	Released on 31 March 2012
xi.	Report Type	Inception Report

## 2. Executive summary of the project / Brief description of the project

2.1. The purpose of the project is to collectivize women farmers at various levels for creating strategic role for them in agriculture and creating sustainable agriculture based livelihood for them. The major components of the project thus would include- (a) Building and nurturing women farmers' groups at the primary and apex level, (b) Planning and implementation of agriculture based livelihood initiatives, (c) Formation and development of Mahila Kisan Producer Company for market linkage and obtaining extension and knowledge services

2.2. The project will be implemented with 18000 small and marginal women farmers spread over in 67 villages. There will be in total 5 Clusters of villages, each with 25 villages and 2000-2200 women farmers. In Purnea and Khagaria there would be two clusters each and in Jamui there will be one cluster.

In Purnea and Khagaria the project will be implemented in the villages where BRLPS has been working for sometimes and ASA has been providing technical support for agriculture. Hence, for these villages the existing SHGs and other primary groups (PGs) will be the main vehicle for the project implementation.

In Jamui where ASA has been working in 25 villages for over a year has promoted more than 60 women SHGs and has demonstrated good livelihood interventions like water harvesting measures, developing small group based lift irrigations, SRI and notably promoting vegetable cluster by utilizing waste land in a good scale. This cluster of 25 villages will be taken up for the MKSP to intensify these existing agri-based livelihood interventions. Point worth mention that the villages in Jamui are 100% tribal and livelihood security is very fragile.

It is planned that about 90-100 women farmers per village representing equal number of families belonging to the small and marginal category of farmers would be participating in the project.

2.3. Since these PGs are already into the agriculture sector their core functioning will remain same however will be further strengthened by providing inputs in regard to organizational development and agriculture based livelihood interventions. PGs shall be the pivotal point for planning and implementation of the initiatives planned in the project.

2.4. Once the PGs are stabilized they will be federated under a Mahila Kisan Producer Company (MKPC) in each Cluster, where the members of the PGs will become equity holder. About 1200-1500 women farmers are envisaged to be under one MKPC as members. The MKPC will eventually become the formalized local institution of women farmers to address the issues of agribusiness and agriculture extension. A trained team of Agribusiness professional, recruited by the MKPC shall help the MKPC and their BoDs (Board of Directors) to plan and implement the business plan.

2.5. Local Resource Persons (LRPs), men and women, will be groomed on institutional and technical aspects with a view that they will be serving as service providers in the local area.

2.6. Training, exposure and constant handholding to the Women's institutions and LRPs will be the key strategy of the project. The WIs and the LRPs are expected to be leading the project implementation with facilitation support by the project staff.

2.7. Agriculture based technology introduction, validation and adoption will be the key to bring in positive change in the livelihood status of women and change in asset base. For introduction and validation of agriculture technologies there will be a "Mahila Kisan Pathshala (MKP)" (a localized version of the farmer field school), in each village in

which the members from the PG will participate. The method of PTD (Participatory Technology Development) will be the key approach while conducting MKP.

**2.8 Key activities.** There are **three main set of activities:** (a) training, exposure and several capacity building interventions for the Mahila Kisan Samooh (MKS) & LRPs, (b) agriculture based livelihood interventions such as – trial and demonstration of Good Agriculture Practices (replacement of varieties, SRI, SWI, vegetable garden, seed production and dissemination, INM, IPM, etc.), Land and water resources development (viz. field bund. leveling, diversion based irrigation, stop dam, Talav, dug wells, lift irrigation, sprinkler, etc.); and (c) formation and development of Mahila Kisan Producer Company, for which activities will include awareness building, federate the PGs into company, drafting constitution, registration of the company, develop and establish system and procedures related to admin, accounts, HR, develop business plan and implementation, statutory compliance, etc.

### **2.10 Rationale for Support under MKSP**

The proposed project addresses the issues of – (a) unorganized and poorly recognized status of women farmers despite their significant contribution in agriculture, (b) low productivity in agriculture due to insignificant extension activities and poor status of resource base (poor soil health, high dependency on rainfall, etc.), (c) poor market linkages for backward and forward linkages, and (d) poor extension system, (e) disadvantaged areas in terms of incidence of poverty and backwardness.

The proposed project addresses the above issues by – (a) organizing women farmers at primary level and subsequently at the apex level to ensure sustenance, (b) invest heavily on the capacity building of the WI's to put them in leadership role and building social capital in the villages, (c) introducing, validating and disseminating various agriculture based livelihood initiatives to create asset base at the family level to enhance their income and food security, (d) WFPC to integrate small holders with the market and knowledge resources to obtain farm inputs and services of high quality and fair price for their produce. The WFPC would be an effective platform to carry out an alternative system of extension mechanism, and (e) the fleet of LRPs who would be developed will continue to provide services on revenue generation basis. All of these together would address most of the MKSP project objectives.

### **2.11 Budget**

The total project cost is INR **1316.83 Lacs** of which 55% which is **INR 719.33 Lacs** is requested from the MKSP and **INR 360.56 Lacs** (27%) will be borne by ASA, and **INR 236.94 Lacs** (18%) by the community. The project will leverage fund from the government sources mainly BRLP, NABARD, & Other Donor Agencies such as Sir Dorabji Tata Trust, & Lutheran World Relief (LWR) etc. for selective elements shown under the contribution of ASA in the budget sheet.

13. Expenditure on capacity building and organizational development of women farmers is **26%** of the budget.

### **2.12 Project Results**

#### Economic

- Agriculture productivity will on an average increase to 100-150% of the present level. In other words per hectare net return per year would be at least Rs.35000-40000/- from the current level of 12000-15000/- per year. For Jamui, the present level of income per Ha. is within 3000-4000/- per annum. In case of Jamui the income per ha. can be raised to Rs.10- 12000/- per year.

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- Food security will be ensured to the 100% of the target families
- Market linkage for the backward and forward integration will be ensured with competitive market and as a result there will be at least 30-40% savings / gain at the farmer's level.
- There will be additional employment generated due to increased intensity of farming.
- There will be sub-sector development for agriculture such as seed production, organic fertilizer production, aggregation of produce and primary processing, poultry production, etc.. All these will contribute to energize the local economy for multiplier effect.

### Social

There will be significant impact on the social front.

- Firstly, there will be social capital built in the form of women's groups in the village who will lead the project initiatives.
- Further, there will be MKPC which will weave the Primary groups together and therefore will carry a lot of collective bargaining power.
- There will be lot of women leadership emerges which will be key for the development of the area. Most importantly the women will find a place in the mainstream political system and recognition as farmers.
- The benefits of project in terms of reduction in migration, food security, nutritional security, etc. will reduce drudgery of women and contribute to improve their strategic role in agriculture.

### Environmental

The environmental impact of the project would be many. Firstly, due to adoption of appropriate farming practices there will be reduction of negative impact on environment. For instance, the adoption of SRI will reduce water use, recommended doses of fertilizers and chemicals will have positive impact on soils and environment, promotion of INM and IPM will help in improving the health of soil, testing of soil will help farmers to use only those fertilizers which are required. There will be biological control measures for pests and diseases. So, there will be numerous benefits of following appropriate agronomy. Secondly, the soil and water conservation measures will reduce soil erosion and increase ground water level. On the contrary, none of the technologies will have any negative impact on environment.

### **3. Activities undertaken so far:**

3.1 The project has formally started from 14<sup>th</sup> September 2011, the date of sanctioning of the project by the MoRD. However, as stated already that ASA has been working in the area for some time for agriculture based livelihood promotion and the progress that has been happening in the area is all inclusive under the progress of MKSP. The MKSP is a value addition initiative of ASA's past and current work in the area. The progress that have reported here are funded under different projects like NABARD, Sir Dorabji Tata Trust, Lutheran World Relief, Digital Green and convergence of government departmental programmes.

#### 3.2 Deployment of Staff

In all the three districts/ clusters staff has been deployed. ASA already had team establishment in those clusters; however, exclusive staff allocation has been done for the MKSP project. The staff included professionals from agriculture, civil engineering and sociology. Besides there are CRPs in each cluster. In addition, the cluster level staff is supported by the district team and the SMS from the head office of ASA. In short, the full capacity of staff are in place with well coordinated support system for them to undertake project activities.

### 3.3 Orientation and training of staff on MKSP

For all the Cluster team, District team and State team, two round of orientation programme has been conducted during October 2011 and in January 2012. The programme contained discussion about the project and *modus operandi*, institutional mechanism, impact results and roles and responsibilities among the cluster team and district team. The programme also chalked out the action plan for six months for each of the cluster Team. Besides formal training monthly review meetings have also discussed the MKSP which has further helped in clarifying approach. Project proposal, MKSP guidelines have been circulated among the project staff f. Also, budget allocation for cluster team for 2011-12 has been done.

This project being a collaborative effort between BRLPS and ASA in Purnea and Khagaria, coordination meetings were organized by the BRLPS for the field staff of both the organization on coordination issues. Mechanisms of coordination has been worked out which will issued by BRLPS as guidelines.

### 3.4 Finalization of clusters / villages

The project intervention villages of each cluster have been finalized in consultation with the Bihar Rural Livelihood Project Society. Following are the list of villages:

#### **Village list: District: Jamui, Block & Cluster : Chakai**

Sr.#	Village	Block	No. of household	Population	Social category		
					Scheduled Cast	Scheduled Tribe	Others
1	Karmakola	Chakai	26	143	18	6	119
2	Bathanakola	Chakai	57	330	40	247	43
3	Baharakola	Chakai	59	703	154	328	221
4	Rahima	Chakai	120	659	81	448	130
5	Ghama	Chakai	54	296	36	13	247
6	Chandnya	Chakai	67	368	45	16	307
7	Mahisapatthar	Chakai	131	572	36	264	272
8	Domohan(Bolalowad)	Chakai	48	454	56	257	141
9	Dhorsakola (Berwari)	Chakai	110	332	41	273	18
10	Pasara	Chakai	48	155	19	7	129
11	Buriya Tand	Chakai	68	373	46	16	311
12	Majhalakola	Chakai	53	144	18	109	17
13	Dohaman	Chakai	66	362	44	16	302
14	Baramashia	Chakai	95	300	37	236	27
15	Konjhi	Chakai	61	335	41	15	279
16	Tara Khar	Chakai	62	375	46	230	99
17	Jamuniya Tand	Chakai	92	75	9	3	62
18	Chir Patthar	Chakai	77	877	37	475	365
19	Mahatodhi	Chakai	84	278	34	12	232
20	Pojha	Chakai	162	632	124	389	119

Sr.#	Village	Block	No. of household	Population	Social category		
					Scheduled Cast	Scheduled Tribe	Others
21	Prachi	Chakai	263	1046	993	46	7
22	Dhamna	Chakai	167	644	94	391	159
23	Chehera	Chakai	107	394	38	338	18
24	Nawada	Chakai	398	1974	566	87	1321
25	Sikitia	Chakai	94	334	16	286	32
26	Nanhia	Chakai	97	385	47	309	29
27	Chandosal	Chakai	49	152	19	112	21
28	Bamdha	Chakai	324	1350	166	553	631
29	Damania	Chakai	144	791	97	35	659
<b>Total</b>			<b>3183</b>	<b>14833</b>	<b>2998</b>	<b>5518</b>	<b>6318</b>
	<b>Percentage</b>			<b>100%</b>	<b>20%</b>	<b>37%</b>	<b>43%</b>

**Village list: District : Purnea, Block – Bhawanipur, Cluster : Bhawanipur-1 & 2**

Sr.#	Village	Block	No. of household	Population	Social category		
					Scheduled Cast	Scheduled Tribe	Others
	<b>Bhawanipur -1</b>						
1	Bramhaganyi	Bhawanipur	470	2423	240	140	2043
2	Babhan Chakka	Bhawanipur	340	2127	39	1	2087
3	Supauli	Bhawanipur	490	2686	460	0	2226
4	Parasbani	Bhawanipur	138	742	0	0	742
5	Sighyan sundar	Bhawanipur	429	2522	19	0	2503
6	Sondip	Bhawanipur	233	1246	244	0	1002
7	Sondip milik	Bhawanipur	586	3327	82	447	2798
8	Birnia	Bhawanipur	228	1139	3	92	1044
9	Bhandsar Milik	Bhawanipur	612	3313	689	0	2624
	<b>Bhawanipur -2</b>						
10	Kusaha milik	Bhawanipur	242	1253	266	138	849
11	Jabe	Bhawanipur	906	5074	576	333	4165
12	Raghunathpur	Bhawanipur	576	2936	253	125	2558
13	Basantpur Chintaman Milik	Bhawanipur	96	494	0	0	494
14	Madhoapur	Bhawanipur	236	1284	39	23	1222
15	Basmanpur	Bhawanipur	300	1568	66	113	1389
16	Tilsi bisanpur	Bhawanipur	266	1538	125	229	1184
17	Gariya	Bhawanipur	135	845	8	0	837
18	Sonima (Souna)	Bhawanipur	292	1371	266	143	962

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	<b>Total</b>		<b>6575</b>	<b>35888</b>	<b>3375</b>	<b>1784</b>	<b>30729</b>
	<b>Percentage</b>			<b>100%</b>	<b>9%</b>	<b>5%</b>	<b>86%</b>

**Village list: District : Khagaria, Block : Choutham, Cluster: 1&2**

	<b>Village/ Tola</b>	<b>Block</b>	<b>Total No. of Household</b>
<b>Cluster 01</b>			
1	Pipra	Choutham	212
2	Bharya	Choutham	805
3	Bhatrinda	Choutham	137
4	Tilay	Choutham	437
5	Adavari	Choutham	567
6	Jamua	Choutham	250
7	Nirpur	Choutham	1140
8	Patraha	Choutham	196
9	Choti Tealauch	Choutham	128
10	Badi Tealauch	Choutham	338
11	Faree	Choutham	380
12	Gariya	Choutham	297
13	Bakeya	Choutham	300
<b>Cluster 02</b>			
1	Karwa	Choutham	385
2	Nawada	Choutham	808
3	Jawahar Nagar	Choutham	379
4	Navtolia	Choutham	319
5	Devka	Choutham	479
6	Nauranga	Choutham	367
7	Saraiya	Choutham	380
	<b>Total</b>		<b>8304</b>

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### 3.5 Institution building Initiatives:

This is an existing working area of ASA in case of Jamui. For Purnea and Khagaria, the project has taken the area where BRLP (Bihar Rural Livelihood Project) has established primary groups like SHGs. Hence, primary groups of women i.e. SHG & Activity Based Group are in place covering almost 50-60% of the target community. More are being organized. Following table provides the information on community institutions formed so far and being instrumental in project implementation.

Sr. #	District	Block	Cluster	Progress in Primary Group formation & development (nos.)					
				SHGs formed		VegPGs*	LG	WUG	Kisan Club
				ASA	Others /BRLP				
1	Jamui	Chakai	Chakai	60	NA	52	0	12	0
2	Khagaria	Chautham	Chautham	0	344	0	0	0	0
3	Purnea	Bhawanipur	Bhawanipur	5	221	0	73	0	39
			Rupauli	0	190	0	0	0	0
<b>Total</b>				<b>65</b>	<b>755</b>	<b>52</b>	<b>73</b>	<b>12</b>	<b>39</b>

\*Veg. PGs – Vegetable Producer Groups

In total there are 820 SHGs functioning in the project area covering about 10000 families. There are approx. 750 SHGs formed by BRLPS under their Jeevika project through which ASA shall implement various livelihood initiatives. All are women SHGs. Besides this there are over 175 other Activity Based Groups- ABGs who are primarily vegetable growers and share croppers. Mobilization process is going on to cover more number of households in the programme. In total it is estimated that nearly 18000 households would be covered under the project.

The formation process of Mahila Kisan Producers Company (MKPC) has been started in all districts. In Jamui there are approximately 400 women members have taken the share of the company and the process of incorporation is under way. In Purnea and Khagaria also the awareness generation for MKPC has started and the exposure visits of potential leaders and members of the company are being organized.

### 3.6 Training and exposure

During the period from October 2011 till January 2012, the following training and exposure programmes have been taken for the various community institutions.

<b>Particulars</b> <b>Months</b>	<b>No of trainings/ Exposures</b>	<b>Total No. of participants</b>	<b>No. of women participants</b>	<b>Name of donor agency</b>	<b>Training topics</b>
October	271	6514	1684	NABARD SDTT Digital Green LWR	1. Rouging Management 2. Bio-insecticide use 3. Vegetable cultivation 4. Vermi Composting t 5. System of root intensification 6. AV shows on GAP 7. Nursery Transplantation
November	188	2886	1226	NABARD SDTT Digital Green LWR	1. Pest & disease control 2. Crop cutting & Storage 3. Use of organic fertilizers 4. Preparing vermi compost 5. AV shows on GAP
December	321	6476	2392	NABARD BRLP SDTT Digital Green LWR	1. Demo. training of sowing wheat 2. Seed Treatment 3. Fertilizer application to vegetables 4. SWI sowing technique 5. Nursery Raising 6. AV shows on GAP 7. Vermi Compost & Fertilizer
January	246	5913	2464	NABARD SDTT Digital Green LWR	1. SWI - Weeding 2. Irrigation management for wheat 3. Demo. training on use of cono weeder 4. Training on Irrigation 5. AV shows on GAP

### 3.7 Livelihood initiatives:

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During the period from October 2011 till January 2012, the following livelihood activities have been taken up in the project as mentioned below:

- **Activities related to land & water interventions :**

Sr. #	Activity	Dist/Block	Cluster	Unit	# unit	Cost (Rs. Lakh)	Donor	# families benefitted
1	Dug wells	Jamui	Chakai	No.	6	5.00	Lutheran World Relief	28
2	Lift Irrigation Units	Jamui	Chakai	No.	2	5.58	Lutheran World Relief	85
3	Farm Pond	Jamui	Chakai	No.	4	2.48	Lutheran World Relief	23
<b>Total</b>						<b>5.91</b>		

- **Agriculture productivity enhancement activities :**

Different agriculture productivity enhancement measures have been initiated where farmers have realized yield increment from 20 - 25%. Good agriculture practices have been disseminated amongst target project beneficiaries. Good agriculture practices like line sowing, seed treatment, proper seed rate, plant spacing, integrated pest management practices, use of organic fertilizers like vermi composting, SWI, irrigation water management, etc. have been disseminated which has resulted not only in the terms of productivity enhancement but also have reduced cost of production.

In Jamui vegetable cultivation has been taken up in a big way. There are about 702 vegetable garden established with almost all the 60 SHGs working at the moment in the area. Vegetable clusters were developed with specialized crops to avoid inter SHGs competition in the market. Most important in the model is that SHGs took waste land on lease from the owners of the land, who are the fellow villagers, and cultivated vegetable as collective enterprise. This has not only ensured the availability of vegetables/ nutrition at family level but also farmers have earned Rs.3000-4000 additional income by selling vegetables in the nearby market. Besides this system of root intensification for paddy and wheat is widely disseminated resulting in higher yield and cost cutting in production.

Progress on agriculture productivity enhancement during October 2011 till January 2012 can be seen at a glance in the following table:

District	Root intensification (No of farmers)		No. Trial on GAP/ New Agri. Tech.	No. Crop Demo. Units	Crop planning & access High Quality Seed (No of farmers)	No of Vermi demo. units	Vegetable Garden
	Paddy	Wheat					
Jamui	607	300	907	40	1013	12	702
Khagaria	542	319	0	0	0	0	26
Purnea	150	710	0	0	0	462	131

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<b>Total</b>	<b>1299</b>	<b>1329</b>	<b>907</b>	<b>40</b>	<b>1013</b>	<b>474</b>	<b>859</b>
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**4. Micro plan preparation:**

With the MKSP funding the project staff has started preparing detailed village level micro plan. ASA follows a standard format for this purpose which will be used for the documentation of the plan. Participatory exercises are being conducted in the village for the preparation of the plan which is expected to be complete by end of May 2012.

4. Activity Schedule (Gantt Chart) : January 2012 - December 2012													
Sr. #	Items	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>1</b>	<b>Organizational Development &amp; Strengthening</b>												
1.1	Promotion & nurturing of Mahila Kisan Samooh (SHGs & ABGs)												
1.2	Mobilization & Formation of Group's Federation as Mahila Kisan Producer Companies (MKPC)												
1.3	Registration & incorporation of MKPC												
1.4	Organizing ToTs & Exposure visits for Agrani Mahila Kisans (AMK)												
1.5	Development of Training Tools Kits for all Agrani Mahila Kisans												
1.6	Management Training to Governing Body of MKPC												
1.7	Establishment of Basic Infrastructure for MKPC like seed grading machines , Electric Motors, etc.												
1.8	Construction of medium size Go-down at MKPC for storage purpose												
1.9	Documentation/ record keeping at Samooh & Farmer's level (Group Register, Box etc)												
1.1	Recruitment of CRPs												
1.11	ToT and Exposures of CRP												
<b>2</b>	<b>Agriculture Development programme</b>												
2.1	Organizing Front line Demonstrations with MKP												
2.2	Demonstration on INM & IPM ( On Major crops )												
2.3	Promotion of SRI & SWI												
2.4	Participatory Selection of varieties & dissemination trial												
2.5	Promotion of Vegetable Garden												
2.6	Promotion of fisheries with landless group (fishing equipment, trng.)												
2.7	Demonstrations on safe use of Agrochemicals												

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2.8	Development of trainings modules, training materials & Audio Visuals Aids												
3	<b>Land &amp; Water Resource Development</b>												
3.1	Women Managed Micro Lift Irrigation Systems												
3.2	Dug wells												
3.3	Land improvement ( Labelling & Bunding)												
3.4	Community Managed Water harvesting Structure like Stop dams												
3.5	Micro Irrigations ( Sprinkler)												
3.6	GIS based planning & monitoring of Land, water & agri development												

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**5. Description of each activity:**

<b>Sr. #</b>	<b>Items</b>	<b>Activities</b>
<b>1</b>	<b>Organizational Development &amp; Strengthening</b>	
1.1	Promotion & nurturing of Mahila Kisan Samooh (SHGs & ABGs)	(i) Awareness generation about the project-objectives, modalities, role of WIs and project team (ii) Participatory identification of eligible women farmers for the project (iii) Concept seeding with the existing groups and newly formed groups, identification of capacity building needs, prepare CB plan (vi) Establishment of group norms and handhold support for nurturing
1.2	Mobilization & Formation of Group's Federation as Mahila Kisan Producer Companies (MKPC)	(i) Awareness generation (meeting, exposure, etc.) (ii) Membership drive, drafting constitution of the MKPC, holding General body meeting, approval of the constitution, etc.
1.3	Registration & incorporation of MKPC	(iii) Initiation for the incorporation of the MKPC with the Registrar of Company (RoC) (iv) Annual General Body meeting after incorporation, issuance of share certificates, re-election of the BODs, etc.
1.4	Organizing ToTs & Exposure visits for Agrani Mahila Kisans (AMK)	Self explanatory
1.5	Development of Training Tools Kits for all Agrani Mahila Kisans	Self explanatory
1.6	Management Training to Governing Body of MKPC	(i) Building business management capacity of the MKPC leadership and development of business plan (ii) Development of System & Procedures related to accounting, general administration, human resources management, procurement, etc. These are important for the functioning of the company in a transparent manner. The professional team will work with the BoD for its development. Training and handholding support will be provided for its operationalisation. (iii) Handhold support to MKPC to implement the business plan
1.7	Establishment of Basic Infrastructure for MKPC like seed grading machines , Electric Motors / DG Sets, Gravity Separator	Business related infrastructure shall be established to make the MKPC business feasible
1.8	Construction of medium size Go-down at MKPC for storage purpose #9	As per above
1.9	Documentation/ record keeping at Samooh & Farmer's level (Group Register, Box & Kisan Pustika	(i) Groups being generic in nature and engaged in financial activities it is imperative to maintain records

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Sr. #	Items	Activities
	etc) #10	in a transparent and scientific manner for which specific software shall also be procured besides maintaining the groups records manually in registers. (ii) To record the benefits extended to Mahila Kisan farmer's book ( Kisan Pustika) shall also be issued to the
1.10	Recruitment of CRPs	Self Explanatory
1.11	ToT and Exposures of LRP #11	LRPs will be trained on various agriculture technologies and group management aspects
<b>2</b>	<b>Agriculture Development programme</b>	
2.1	Organizing Front line Demonstrations with MKP	Organize Mahila Kisan Pathshala (MKP) for Front Line Demonstration for agriculture technologies
2.2	Demonstration on INM & IPM ( On Major crops )	INM & IPM demonstration trial will be conducted as a part of GAP
2.3	Promotion of SRI & SWI	SRI and SWI of tested technologies which will be disseminated with large number of women farmers
2.4	Participatory Selection of varieties & dissemination trial	Farmers' preferred varieties would be selected through participatory process and once selected they will be disseminated through localized seed production and dissemination of seeds
2.5	Promotion of Vegetable Garden	Small vegetable garden of 10-12 decimal will be taken up
2.6	Promotion of fisheries with landless group (fishing equipment, trng.)	Fishery is an important livelihood activity especially with land less. This will be strengthened further with technical and managerial inputs
2.7	Demonstrations on safe use of Agrochemicals	Demonstration on balanced and safe use of agrochemicals to reduce hazardous impact on health
2.8	Development of trainings modules, training materials & Audio Visuals Aids	Trainings modules, training materials & Audio Visuals Aids shall be developed.
<b>3</b>	<b>Land &amp; Water Resource Development</b>	
3.1	Women Managed Micro Lift Irrigation Systems	Small group based (5-10 farmers) LIs will be set up based on perennial water sources. This will be done with very poor women farmers
3.2	Dug wells	group based (2-3 farmers) dug wells will be constructed for irrigation purposes mainly for This will be done with very poor women farmers
3.3	Land improvement ( Leveling & Bunding)	Land bunding & leveling will be done to check soil erosion and to improve condition of resources
3.4	Community Managed Water harvesting Structure like Stop dams	Community level water harvesting measures to improve irrigation and ground water recharge. About

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Sr. #	Items	Activities
		8-10 farmers or about 8-10 ha. of land under irrigation per SD
3.5	Micro Irrigations (Sprinkler)	This will be introduced as farm level water conservation measures
3.6	GIS based planning & monitoring of Land, water & agri development by Agrani Mahila ( Pilot)	Every village shall be plotted on GIS map for planning & monitoring of Land, water & agri development on pilot

## 6. Reasoning for timing of activity

The activities have been phased keeping in view the seasonality of the activity and the capacity of the community institutions to implement them. For instance, all the agriculture interventions are planned during kharif and rabi seasons while land and water resource development related activities are planned during dry season upto June and during October to December. The training and exposure visits are planned during lean season of agriculture to enable maximum participation of women farmers in the activity.

## 7. How the individual activity will be undertaken and by whom

The planned activities of the project are expected to be carried out by the community institutions under the facilitation support by the project team. In ASA all programmes are governed by the Standard Operating Manual (SoM), the same will be followed. The community institutions shall be playing the pivotal role in terms of work and beneficiary identification, implementation and monitoring of the activity. As the project progresses and with the increased capacity of the community institutions the financial powers will be delegated up to the Community institutions level.

## 8. Expected Output:

Objectives	Description of objectives	Key Outputs /Verification Indicators
1. Collectivization of poor women farmers into Primary groups (PG) & enhance skills & knowledge to facilitate plan and implement agriculture based livelihood initiatives	<p><b>1.1.</b> Poor women farmers are organized into PGs</p> <p><b>1.2</b> skill building thru handhold support &amp; training for planning &amp; implementing agriculture based livelihood initiatives</p>	<p><b>1.1.a.</b> 10000 poor women farmers organized into nearly 300 PG; over 60% are with SC, Tribal and OBC women</p> <p><b>1.1. a1.</b> At least 80% f the PGs obtained Grade-A for institutional assessment</p> <p><b>1.2.a</b> Each PG has developed and implemented livelihood initiatives</p>
2. Local Resource Persons (LRPs) developed to provide handhold and	<b>2.1</b> LRPs will be trained on various agriculture	<b>2.1.a.</b> Approximately 60 LRPs will be trained and engaged

Objectives	Description of objectives	Key Outputs /Verification Indicators
technical support to Mahila Kisan in agriculture	technologies and group management aspects	for providing agriculture based livelihood services
<b>3.</b> Increased crop productivity of Mahila Kisans through appropriate agriculture technology introduction and adoption.	<b>3.1</b> Agriculture technologies related to varietal replacement, SRI, SWI, INM, IPM, Kitchen garden, land development, micro irrigation, etc will be introduced	<b>3.1.a</b> Cropping intensity increased by min. 50% for min. 80% of Mahila Kisan  <b>3.1.b.</b> Productivity of major crops doubled for at least 80% of Mahila Kisan
4. Mahila Kisan Producer Company (MKPC) developed, market linkage developed, alternative extension services established	<b>4.1.a</b> MKPC will be developed with the PGs to link with competitive mkt.	<b>4.1.a</b> Each MKPC has at least 900-1000 Mahila Kisan as equity holders/members  <b>4.1. A1.</b> Each MKPC has developed business plan and implemented  <b>4.1.a2.</b> Each MKPC has an annual business turnover of at least Rs.1 crore by 3 <sup>rd</sup> . yr.  <b>4.1.a3.</b> At least 80% of the MKPCs have reached break even by 3 <sup>rd</sup> . year  <b>4.1.a4</b> Financial & non-financial benefits at the member level is at least Rs.3000/year at the end of 3 <sup>rd</sup> . year  <b>4.1.a5.</b> At least 80% of the MKPC has obtained grade –A for institutional assessment
	<b>4.1.b</b> MKPC will be the platform to establish alternative agri. extension system with the help of the LRPs. It will also link with the existing knowledge and	<b>4.1.b</b> Systems & Procedures for agri extension services established  <b>4.1.b1</b> At least 50% of the Mahila Kisan reported

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Objectives	Description of objectives	Key Outputs /Verification Indicators
	technical institutions in public and private domain	satisfactory services from MKPC

Activities to promote sustainable agriculture	Description	Outputs/Verification Indicator	Target
Organize Mahila Kisan Pathshala (MKP) for Front Line Demonstration	FLDs of agriculture technologies will be done for main crops through Farmer Field school mode.	At least 60-75% of Mahila Kisan has adopted technologies demonstrated thru FLDs	360 FLDs
Demonstration on INM & IPM (on Major crops )	INM & IPM demonstration trial will be conducted	At least 50-60% of Mahila Kisan has adopted INM & IPM	3600 trials
Dissemination of SRI & SWI	SRI and SWI are tested technologies which will be disseminated with large number of women farmers	At least 70-80 of Mahila Kisan has adopted SRI and SWI	4200 dissemination trial
Trial on Participatory Selection of varieties & dissemination	Farmers' preferred varieties would be selected through participatory process and once selected they will be disseminated through localized seed production and dissemination of seeds	At least 70-80 of Mahila Kisan has adopted farmers' preferred varieties	2700 introductory & dissemination trial
Trial on small Vegetable Garden	Small vegetable garden of 10-12 decimal will be taken up	At least 70-80 of Mahila Kisan has adopted the practices of veg. garden	810 V. garden trial
Demonstration on safe use of Agrochemicals and safe disposal of empty containers	Demonstration on balanced and safe use of agrochemicals to reduce hazardous impact on health	At least 70-80 of Mahila Kisan families have adopted the practices of safe use of agrochemicals and disposal of empty containers	6000 trials
Construction of micro Lift	Small group based (5-10 farmers) LIs will be set up	Area under irrigation	10 LIs

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<b>Activities to promote sustainable agriculture</b>	<b>Description</b>	<b>Outputs/Verification Indicator</b>	<b>Target</b>
Irrigation system	based on perennial water sources. This will be done with very poor women farmers	increased	
Construction of Dug wells	group based (2-3 farmers) dug wells will be constructed for irrigation purposes mainly for This will be done with very poor women farmers	Area under irrigation increased	360 Dug wells
Land improvement ( Leveling & Bunding)	Land bunding & leveling will be done to check soil erosion and to improve condition of resources	Productivity of land increased	1200 farmers for nearly 1000 ha. land
Community managed Stop dams	Community level water harvesting measures to improve irrigation and ground water recharge. About 8-10 farmers or about 8-10 ha. of land under irrigation per SD	Area under irrigation increased	12 Stop dams will be built
Trial on Micro irrigation system (Sprinklers)	This will be introduced as farm level water conservation measures	Demand for sprinkler increased	50 sprinkler system introduced

### 9. Expected Convergence

The project is expected to have convergence of programmes and schemes of various government departments and NGOs. To that extent the project has so far secured commitment for a good amount of resources through convergence. The following table provides cluster wise details on the commitment of resources through convergence in the same villages where MKSP is operational. There will be more resources mobilized through the convergence in due course.

<b>Sr. #</b>	<b>District</b>	<b>Block</b>	<b>Cluster</b>	<b>Commitment received for convergence of resources to top up MKSP funding</b>
1	Jamui	Chakai	Chakai	Lutheran World Relief, Sir Dorabji Tata Trust, NABARD, NREGS

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<b>Sr. #</b>	<b>District</b>	<b>Block</b>	<b>Cluster</b>	<b>Commitment received for convergence of resources to top up MKSP funding</b>
2	Khagaria	Chautham	Chautham	Sir Dorabji Tata Trust, BRLP, NABARD, NREGS
3	Purnea	Bhawanipur	Bhawanipur	Sir Dorabji Tata Trust, BRLP, NABARD, NREGS
			Rupauli	

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**10. Expenditure plan:**

Rs. In Lakh

Sr. no.	Items	Unit description	Unit cost	Physical target			Financial Target			Total Budget	Budget Sharing		
				Y1	Y2	Y3	Y1	Y2	Y3		ASA	Com	MKSP
<b>1</b>	<b>Organisational Development &amp; Strengthening</b>	No. of MKS		500	500	500							
1.1	Promotion & nurturing of Mahila Kisan Samooh (MKS) # 1	No. of trainings	0.01	400	800	800	4	8	8	20	0	0	20
1.2	Mobilization & Formation of Group's Federation as Mahila Kisan Producer Companies (MKPC)#2	No. of events	0.12	16	16	10	1.92	1.92	1.2	5.04	0	0	5.04
1.3	Registration & incorporation of MKPC #3	No. of MKPC	0.5	5	0	0	2.5	0	0	2.5	0	0	2.5
1.4	Organising ToTs & Exposure visits for Agrani Mahila Kisans (AMK) # 4	No. of exposure visits	0.6	10	7	4	6	4.2	2.4	12.6	0	0	12.6
1.5	Development of Training Tools Kits for all Agrani Mahila Kisans # 5	No. of Kits	0.0065	100	250	250	0.65	1.63	1.63	3.9	0	0	3.9
1.6	MKPC Organisational support cost #6	Cost/MKPC	11.71	5	5	5	44.05	32	34	110	0	0	110
1.7	Management Training to Governing Body of MKPC #7	No. of events	0.3	5	10	10	1.5	3.00	3.00	7.5	0	0	7.5

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Sr. no.	Items	Unit description	Unit cost	Physical target			Financial Target			Total Budget	Budget Sharing		
				Y1	Y2	Y3	Y1	Y2	Y3		ASA	Com	MKSP
1.8	Establishment of Basic Infrastructure for MKPC like seed grading machines , Electric Motors / DG Sets, Gravity Separator # 8	No. of sets	10	2	3	0	20	30.00	0.00	50	0	0	50
1.9	Construction of medium size Godown at MKPC for storage purpose #9	No. of godown	14	2	3	0	28	42.00	0.00	70	0	0	70
1.10	Documentation/ record keeping at Samooh & Farmer's level (Group Register, Box & Kisan Pustika etc) #10	Set of records	0.0065	300	200	0	1.95	1.3	0	3.25	0	0	3.25
1.11	Remuneration of Local Resource Persons (LRP)	Per 150 farmers/ LRP/month	0.03	480	500	500	14.4	15	15	44.4	6.66	11.1	26.64
1.12	ToT and Exposures of LRP #11	No. of events	0.4	10	16	10	4	6.4	4	14.4	2.88	0	11.52
	<b>Sub Total</b>						<b>128.97</b>	<b>145.74</b>	<b>69.36</b>	<b>344.07</b>	<b>9.54</b>	<b>11.1</b>	<b>323.43</b>
<b>2</b>	<b>Agriculture Development programme</b>												

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Sr. no.	Items	Unit description	Unit cost	Physical target			Financial Target			Total Budget	Budget Sharing		
				Y1	Y2	Y3	Y1	Y2	Y3		ASA	Com	MKSP
2.1	Organising Front line Demonstrations with MKP #13	Cost / FFS / Yr	0.15	100	110	110	15	16.5	16.5	48	14.4	4.8	29
2.1	Demonstration on INM, IPM, NPM ( On Major crops )#14	Cost/trials	0.012	1000	1100	1200	12	13.2	14.4	39.6	9.9	3.96	26
2.1	Promotion of SRI & SWI #15	Cost/Farmers	0.004	1000	1400	1400	4	5.6	5.6	15.2	3.8	1.52	10
2.1	Participatory Selection of varieties & dissemination #16	Cost / Trial	0.003	700	900	900	2.1	2.7	2.7	7.5	2.25	0.75	4.5
2.1	Promotion of Vegetable Garden #17	Cost / V. Garden	0.04	200	280	280	8	11.2	11.2	30.4	6.08	12.16	12.16
2.1	Demonstrations on safe use of Agrochemicals #18	Cost/farmer (Hand glove & Musk)	0.0015	1500	1800	2200	2.25	2.7	3.3	8.25	2.475	0.825	4.95
2.1	Development of trainings modules, training materials & Audio Visuals Aids #19	Lump sum	0.1	20	20	20	2	2	2	6	2.4	0	3.6
<b>Sub Total</b>							<b>45.35</b>	<b>53.9</b>	<b>55.7</b>	<b>154.95</b>	<b>41.305</b>	<b>24.015</b>	<b>90</b>

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Sr. no.	Items	Unit description	Unit cost	Physical target			Financial Target			Total Budget	Budget Sharing		
				Y1	Y2	Y3	Y1	Y2	Y3		ASA	Com	MKSP
3	<b>Land &amp; Water Resource Development</b>												
3.1	Women Managed Micro Lift Irrigation Systems #20	Per LI	7.8	2	3	4	15.6	23.4	31.2	70.2	0	7.02	63.18
3.2	Dug wells	Per Dug well	0.9	100	130	130	90	117	117	324	90	180	54
3.3	Land improvement	Per farmers	0.05	400	400	400	20	20	20	60	24	6	30
3.4	Community Managed Water harvesting Structure like Stop dams	No. of SD	8	4	4	3	32	32	24	88	26.4	8.8	52.8
3.5	Micro Irrigations ( Sprinklers & Drip irrigations)	No. of sets	0.6	20	16	16	12	9.6	9.6	31.2	6.24	0	24.96
3.6	GIS based planning & monitoring of Land, water & agri development by Agrani Mahila ( Pilot)	Per village	0.6	10	10	10	6	6	6	18	3.6	0	14.4
<b>Sub Total</b>							<b>175.6</b>	<b>208</b>	<b>207.8</b>	<b>591.4</b>	<b>150.24</b>	<b>201.82</b>	<b>239</b>
4	<b>Programme Management Cost (with 10% yearly escalation)</b>												
4.1	Programme Coordinator (Overall)	Cost /Month	0.5	12	12	12	6	6.6	7.26	19.86	15.89	0	4

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Sr. no.	Items	Unit description	Unit cost	Physical target			Financial Target			Total Budget	Budget Sharing		
				Y1	Y2	Y3	Y1	Y2	Y3		ASA	Com	MKSP
4.2	Team Leader ( District Level)	Cost/Month	0.35	36	36	36	12.6	13.86	15.246	41.706	33.36	0	8
4.3	Project Executive/ SMS ( Agri /engg/Social)	Cost/Month/ Cluster	0.5	60	60	60	30	33	36.30	99.30	59.58	0	40
4.4	Staff Travel	Cost /Month /cluster	0.2	60	60	60	12	13.2	14.52	39.72	27.80	0	12
4.5	Rent, electricity, telephone of the Team office (Part cost)	Cost /Month /cluster	0.1	60	60	60	6	6.6	7.26	19.86	19.86	0	0
4.6	Stationary & Other Consumable Cost	cost/ month/ dist. Team office	0.03	60	60	60	1.8	1.98	2.18	5.96	2.98	0	3
	<b>Sub-total</b>						<b>68.4</b>	<b>75.24</b>	<b>82.764</b>	<b>226.40</b>	<b>159.48</b>	<b>0</b>	<b>66.93</b>
<b>5</b>	<b>Grand Total</b>						<b>418.32</b>	<b>482.88</b>	<b>415.63</b>	<b>1316.83</b>	<b>360.56</b>	<b>236.94</b>	<b>719.33</b>
	<b>%age</b>									<b>100</b>	<b>27</b>	<b>18</b>	<b>55</b>

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