



**Supported By:**

**Department of Agriculture, Government of AP under NFSM,  
NABARD & AP SRI Consortium**

**Anchored by WASSAN**

## PROGRAM PARTNERS

Sl.No	District	NGO Name	Mandals
1.	Nalgonda	CROPS	Gundal
2.		SHARP	Mothkur
3.		ARDS	Devarakonda
4.		SWEET	Katangur
5.		PILUPU	Turkappally
6.	Medak	TREES	Mulugu
7.		ASSMA	Nangunur
8.		NAVAJYOTHI	Chinna Koduru
9.		BASIX	Medak
10.	Khammam	JAAGRUTHI	Khammam Rural
11.		CHESTED	Kusumanchi
12.		WUAs / WALAMTARI	Konijerla
13.	Mahabubnagar	Daulatabad Mandal Mahila Samakhya	Doulthabad
14.		Bomraspet Mandal Mahila Samakhya	Bomraspet
15.		ECO Club	Kndurg, Nawabpet
16.		BALAVIKAS	Weepanagandla
<b>Program Support :</b>			
ANGRAU			
Directorate of Rice Research,			
WALAMTARI			
<b>ATMA and Department of Agriculture : Nalgonda, Medak, Khammam, Mahabubnagar Districts</b>			

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# Detailed report on SRI collaborative project (JAISRI) from AP SRI Consortium

## BACKGROUND

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System of Rice Intensification (SRI) has gained momentum in the country. Though Andhra Pradesh was the first to start large scale promotion of SRI in the country, but no substantial area could be achieved during the last few years due to lack of a focused approach. Producing about 25% more with less water, seed and other inputs makes it more sustainable. About 30% saving in water opens up possibilities of stabilizing and extending area under irrigated rice under tank, canal and borewell irrigation systems. It can thus, help the state achieve its targets on improving production of rice to meet the national food security.

SRI, unlike other technologies, is more skill and management oriented method of cultivation of rice. Experience has proven that it needs a focused and longer time extension strategies. Considering the not so successful attempts earlier, it is envisaged that the program be taken forward with sound strategy and concerted efforts (Some experiences suggest that SRI can be positively scaled up if promoted for *two to three seasons* in **concentrated clusters of villages** with or without *incentives* and intense facilitation).

In view of the importance given by the Planning Commission and also Government of India for promoting SRI cultivation it is contemplated to take up promotion of SRI cultivation on a campaign basis from the current year under Tanks & Wells in the state.

## AP SRI CONSORTIUM

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In this context, AP SRI Consortium was formed on 9<sup>th</sup> July, 2010 through a collective effort of WASSAN, ANGRAU, Directorate of Rice Research (DRR), WALAMTARI, CROPS and various civil society organizations along with the Department of Agriculture. NABARD also has participated in the process. WASSAN is providing the secretarial support to the consortium.

- **Consortium Objective:** To synthesize and pool experiences, expertise and other resources on SRI, accumulated over time with various associate organizations and individuals for the purpose of providing active support to promote SRI on a large scale in Andhra Pradesh
  - A detailed program on SRI has evolved following several discussions with Ms. Rechal Chatterjee garu (Spl Chief Secretary, Agriculture) and Sri. Sunil Sharma garu (Commissioner, agriculture). AP SRI Consortium facilitated the preparation of common guidelines and program design. (Please see enclosures). DoA has submitted the Collaborative proposal for stream-2 to NABARD to get the gap filling budget. Two streams of the SRI program are envisaged as follows
- **Stream 1 program** are taken up by the Agriculture Department through its own staff, FTCs and KVKs. The Department of Agriculture is already utilizing amounts for

providing subsidies for supply of seeds, micronutrient, implements, trainings (polambadi) etc

- **Stream 2 – Joint Action Initiative on ARI (JAI SRI):** SRI has been evolved in the farmers’ fields with enthusiastic organizations working with farmers. Several such small nodes of SRI do exist in the state promoted by NGOs. With a view to scale up SRI around these nodes with facilitation by the NGOs a special stream of support is created by the Agriculture Department and NABARD.

The NGOs will be supported for their intensive facilitation and would be overall responsible for the final outputs. The NGO will connect with the local Agriculture Officer for the purpose. This stream is intending to target 4000 hectares SRI area in 3 years and provides core experience in several regions to facilitate larger scaling up.

- **Key features of the Stream – 2 (JAISRI)**

- Stream – 2 is a collaborative program between department of agriculture, NABARD and NGOs
- Department of agriculture will provide funds for key inputs and capacity building, whereas NABARD may provide funds for additional inputs, facilitation costs for implementing agencies at project level and cost for support organisation at district level
- Initially the program will be implemented in 10 districts where experienced NGOs are available. Each district will cover 1000hectares spread over in ten block in form of compact blocks of 100hectares each over a period of three years,
- The 100 hectares area of each block is covered in a phased manner over a three year period (30+30+40 ha). The area covered in previous years, will be continued during subsequent years.
- The program in each district will be facilitated by a support organisation and an implementing agency. The implementing agency will be located at project

**Strategic Shifts and Key features in the new SRI Extension approach:**

- *Compact block / area approach in contiguous blocks of 100hectares* in a cluster of villages in place of isolated individual demonstrations. This will be taken up in a phased manner over a period of three years..
- Working with *all the farmers* in a compact block through *farmers’ organisations*
- Field level facilitator to hand-hold and generate confidence among farmers, and to liaise with Agriculture Department / facilitating organization.
- Focused works for a period of 3 years – the department will handhold the farmers through their organization for three years.
- Regular FFS in the compact block of 100hectares on SRI methods and on pest and nutrient management, which are much easier in SRI.
- Training to labour & farmers in SRI skills and management
- Incentive for two weeding for two years for all the farmers
- Establishing custom hiring centers for SRI implements instead of providing subsidized implements to individuals.
- Soil amendments in the form of organic manure and focus on improving soil fertility
- Establishing farmer managed quality seed systems
- Improving irrigation systems and drainage.

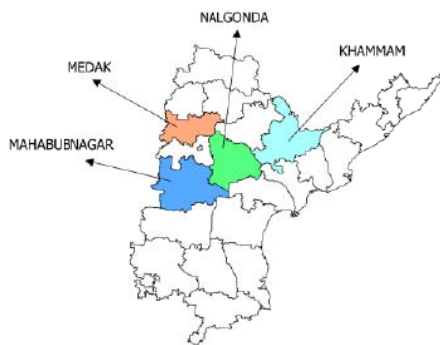
level (at a common place within ten blocks) which will be assisted by 5 cluster coordinators at the rate of one cluster coordinator for a set of 2 blocks and 10 activist at the rate of one per block.

- At the state level, the management of Stream-2 SRI program will be carried out by State level consortium located at WASSAN. It is consisted of representatives of ANGRAU, DRR, WALAMTARI, WASSAN and other NGO members, Department of Agriculture, NABARD , media representatives and other innovators (Expert group including farmers). This state level consortium will work very closely with the Department of Agriculture.
- The overall progress of SRI program [Stream-1 and 2 ] will be jointly reviewed at the state level by the steering committee consisting of 11 members specially established for up scaling of SRI in A.P

## WHAT IS JAI SRI?

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Department of Agriculture, Government of Andhra Pradesh has taken up a collaborative program to strengthen SRI with the support from NFSM, NABARD and AP SRI Consortium.



Program launched on 28<sup>TH</sup> July, 2011. It is implementing in four districts namely, Medak, Mahabubnagar, Nalgonda and Khammam targeting 4000 hectares i.e. 1000ha per district, spread over 10 blocks of 100 hectares each.

## Funding Support

JAI SRI is a convergence program where the program related funds to the tune of Rs 1.40 lakhs are provided by the Department of Agriculture, Government of Andhra Pradesh under National Food Security Mission for inputs, implements, capacity building and field days. NABARD is providing Rs 2.12 lakhs towards the program facilitation cost, farmers incentives, subsidy for implements and state level coordinator cost. AP SRI Consortium partners provide their technical inputs on regular basis.

## NGOs selection process

Commissioner, Agriculture authorized WASSAN to develop criteria for selecting implementing agencies for stream 2. As a part of that WASSAN organized meeting with sub group of State level SRI steering committee on 12<sup>th</sup> July 2011 and finalized the selection process, accordingly Department of agriculture and WASSAN invited Potential implementing agencies from all four districts through phone and mail to present their experiences in SRI in the prescribed structure (*enclosed Annexure-1*) to panel members.

Selections of implementing agencies from the above mentioned districts were made by Panel members from NABARD, DRR and WASSAN on 16<sup>th</sup> July 2011.

Panel Members in the Selection Process were Dr. R. Mahendra Kumar from DRR, Dr. M. S. Rao from NABARD and Mr. M.V. Ramchandurudu from WASSAN

Based on the presentations of organizations, panel members have selected few organizations as implementing agencies. The lists of selected agencies are as below:

### Selected NGOs

Sl.No	District	NGO Name	Contact person's name	Email-id	Total no of Sites* allocated
1.	Nalgonda	CROPS	Lingaiiah	cropsjangoan@yahoo.com	1
2.		SHARP	Narsimha	sharporg@gmail.com	1
3.		ARDS	Khairath	ards.97@gmail.com	1
4.		SWEET	V.Balachary	Sweet_vsbat@yahoo.co.in	1
5.		PILUPU	Janardhan	Pilupu4people@yahoo.co.in	1
6.	Medak	TREES	Srinivasreddy	Trees_srinivas@yahoo.com	1
7.		ASSMA	Narsimha	Narsimha_assmaat@yahoo.co.in	1
8.		NAVAJYOTHI	Yadha Reddy	bmanohar@rediffmail.com	1
9.		BASIX	Vasumathi	vasumathi@basixindia.com	2
10.	Khammam	JAAGRUTHI	Kumidini	kjagruthim@yahoo.co.in	1
11.		CHESTED	Prasad	Chested_ngo@yahoo.co.in	2
12.		WUAs / WALAMTARI	M.Chandrasekhar	cmulukur@gmail.com	2
13.	Mahabubnagar	DMMS	Amrutha		1
14.		BMMS	Maniamma		1
15.		ECO Club	Chandra sekhar	ecoclubindia@gmail.com	2
16.		BALAVIKAS	ShekharGoud	balavikasngo@rediffmail.com	1

\* One site consists of two blocks of 100 hectares each

\*\* As per steering committee decision one implementing agency can handle maximum of two units in the programme.

13 NGOs, two MMSs and two WUAs were selected by a panel of members from AP SRI Consortium to implement the program. These NGOs are implementing the program in all the four districts.

## Implementation Process

9<sup>th</sup> Aug, 2012, WASSAN Organised a one day meeting with AP SRI Consortium members, PD, ATMAs of concerned districts and selected NGOs at WALAMTARI. In the meeting an explanation was Explained regarding Stream-2 SRI guidelines was made to selected NGOs and took inputs from all the participants. After having discussed the draft MoU a detailed action plan was worked out. Dr. Hassan garu from commissionerate also participated in the meeting.

In accordance with the action plan emerged in WALAMTARI, NGOs recruited field staff (*Annexure 2*). The villages to be included in the program were identified by the NGOs and the paddy area to be targeted for SRI was delineated (*Annexure 3*). In all the villages/ units the Community Based Organisations taking the implementation responsibility were identified.

## Training Programs

- ANGRAU

- Trainings were organized for Field level coordinators and block level activists (a total of 52 participants) on 2 and 3<sup>rd</sup> of November.
- Another training program to train farmer resource persons (FRPs) was organized in two batches at ANGRAU; in the first batch 49 FRPs participated on 8-9<sup>th</sup>, November whereas In second batch 39 FRPs got trained on 10-11<sup>th</sup> November.



- **Proceedings of the Training Program**

- On the first day participants learnt SRI principles, benefits of SRI, pest & diseases management and water management.
- On second day, participants visited DRR SRI fields, saw the process of nursery bed preparation, observed tillers per hill etc



- **Village Level Trainings**

- DoA has sanctioned the budget to ANGRAU-EEI to conduct training programs to the SRI farmers. The decision taken in steering committee meeting that SRI Capacity building budget can be used for village level trainings to farmers on SRI. Dr. D Jagannatha Raju (EEI), Dr.Mahendra Kumar (DRR) and Dr. Punna Rao (EEI) are the resource persons and Ramsubba Reddy, Janakiram from WASSAN accompanied them. Training programmes for farmers Completed in Medak, Nalgonda, Mahabubnagar & Khammam districts.
- ANGRAU prepared the time schedule for the trainings, Ramsubba Reddy coordinated with NGOs to organise the training programs. NGOs have mobilised



the farmers. Resource persons from ANGRAU attended the training program. DAATTC representatives and district department officials also participated in the same. Resource persons explained the principles of SRI and its benefits.



- **WASSAN**

- WASSAN organised a two days training program to fabricators at **Farm Implements & Machinery workshop**, ANGRAU. 16 fabricators (out of 18 identified) and coordinators of the program participated. The fabricators are trained on preparation of *Mandava* weeder (by Venkata Krishna- a local fabricator), Cono-weeder (by staff of the Farm Implements Dept) and CROPS weeder (by Satyam, CROPS). At the end of the training program, participants prepared the main parts of the weeders which needed to be assembled. *Annexure – 1* gives a list of training programs organized so far.
- All NGOs and CBOs have formally entered into MoU with JDA & PD, ATMA of concerned districts in first week of December. WASSAN facilitated the signing of MoUs in four districts. (*Annexure 4*)

#### Details of Signing of MOU:

S.NO	Districts	Date of Signing	Persons
1	MEDAK (JDA Office /DPD ATMA)	2 <sup>nd</sup> Dec, 11	K. Ramasubba Reddy
2	MAHABUBNAGAR (JDA Office)	3 <sup>rd</sup> Dec, 11	K. Ramasubba Reddy
3	NALGONDA (JDA Office)	3 <sup>rd</sup> Dec, 11	B. Janakirama Rao
4	KHAMMAM (JDA Office/DPD ATMA)	5 <sup>th</sup> Dec, 11	K. Ramasubba Reddy B. Janakirama Rao
5	MAHABUBNAGAR (JDA Office) BALAVIKAS (NGO).	23 <sup>rd</sup> Dec, 11	K. Ramasubba Reddy

#### HANDHOLDING SUPPORT TO NGOs FROM WASSAN

WASSAN is extending human resource / field level handholding support to SRI program as agreed in AP SRI Consortium meeting on 3<sup>rd</sup> September held at WASSAN. Janakiram, Bhagya, Ravindra and Dr. Sanghi have provided time whenever needed. WASSAN is backing up Mr. Ramasubba Reddy, SRI coordinator.

#### Details of the field visits by WASSAN team:

S.NO	Area visited	Date of visit	Persons
1	Konijerlamandal, Madhira of Khammam	13-14 <sup>th</sup> Oct	Janakiram from WASSAN, Ramasubbareddy, SRI coordinator
2	Meeting with WUAs members at Khammam	29.10.11	Bhagya, Jankiram and Ramasubbareddy

3	Visited field area of WUAs and Jaagruthi NGO and had meeting	9-10 <sup>th</sup> Oct	Janakiram	
4	Visited PILUPU area and went to the fields and interacted with farmers	22.11.11	Janakiram	
5	Visited by BASIX –krishi, NAVAJYOTHI, TREES, and SHARP SRI field area	19,20, 26 and 27 <sup>th</sup> Nov	Ramasubba Reddy	
6	Visited by ASSMA, SWEET, CROPS, ARDS, PILUPU, JAGRUTHI, CHESTED SRI field area.	8, 9, 10, 11, 17 and 18 Dec, 2011	Ramasubba Reddy	
7	Visited by BALAVIKAS field area (assess the feasibility of taking up the organization)	21 <sup>st</sup> Dec, 12	Ramasubba Reddy Janakiram	
8	Blavikas –Pebbair, farmers training	2 <sup>nd</sup> Jan, 12	B. Janakiram	
9	TREES – Mulugu, Medak.	3 <sup>rd</sup> , Jan, 12	K. Ramasubba Reddy	
10	Navajyothi -- Chinnakodur, Medak.	4 <sup>th</sup> Jan, 12	K. Ramasubba Reddy	
11	ARDS, Devarkonda- field visits	5 <sup>th</sup> Jan, 12	B. Janakirama Rao	
12	Basix--Burugupalli, Medak.	6 <sup>th</sup> Jan, 12	K. Ramasubba Reddy	
13	Eco-Club - Nawabpet, Kondurg, Mahabubnagar.	9 <sup>th</sup> Jan, 12	K. Ramasubba Reddy	
14	Jaagruthi, CHESTED-2, training to labour groups	9&10 <sup>th</sup> Jan, 12	B. Janakiram	
15	BMMS, DMMS –Bomraspet, Doulathabad, Mahabubnagar	20 <sup>th</sup> Jan, 12	K. Ramasubba Reddy	
16	BMMS, DMMS-Mahabubnagr, facilitating labour wages for contractual work	23&24 <sup>th</sup> Jan, 12	B. Janakiram	
17	ASSMA- Gatlamalyala, Medak.	27 <sup>th</sup> Jan, 12	K. Ramasubba Reddy	
18	Khamma- Review meeting at JDA office and prepared budgets to be released to NGOs	1&2 <sup>nd</sup> Feb, 12	B. Janakiram	
19	SWEET- AitipamulaNalgonda. distributed to NGOs.	Bollepalli, Budget	2 <sup>nd</sup> Feb, 12	K. Ramasubba Reddy
20	Navajyothi -- Chinnakodur, Medak.	6 <sup>th</sup> Feb, 12	K. Ramasubba Reddy	
21	DRR – Protection of Plant Varieties. (Averness program)	7 <sup>th</sup> Feb, 12	K. Ramasubba Reddy, B. Janakiram	
22	PILUPU – Turkaplay field visits	8 <sup>th</sup> Jan, 12	B. Janakiram	
23	Balavikas- Weepanagnla, Mahabubnagar.	9 <sup>th</sup> Feb, 12	K. Ramasubba Reddy	

24	CROPS, Gummadal field visit	14 <sup>th</sup> Dec,12	B. Janakiram
25	Budget distribute to NGOs Medak.	15 <sup>th</sup> Feb, 12	K. Ramasubba Reddy
26	Nalgonda –meeting with JDA and met AGM , NABARD; SWEETS field visit	15 <sup>th</sup> Feb, 12	B. Jankairam
27	JDA office-Mahabubnagar	17 <sup>th</sup> Feb, 12	K. Ramasubba Reddy
28	ASSMA-Gattlamalyala	21 <sup>st</sup> Feb, 12	K. Ramasubba Reddy
29	TREES-Mulugu	22 <sup>nd</sup> Feb, 12	K. Ramasubba Reddy
30	Basix-Medak	23 <sup>rd</sup> , Feb, 12	K. Ramasubba Reddy
31	JDA office-Mahabubnagar	29 <sup>th</sup> Feb, 12	K. Ramasubba Reddy
32	JDA office-Mahabubnagar	1 <sup>st</sup> March, 12	K. Ramasubba Reddy
33	Eco-club 2-Nawabpet	5 <sup>th</sup> March, 12	K. Ramasubba Reddy
34	PD/ATMA-Nalgonda	7 <sup>th</sup> March, 12	K. Ramasubba Reddy
35	WUA meeting-Khammam	13 <sup>th</sup> ,14 <sup>th</sup> March, 12	S. Bhagyalakshmi, Sachin Dutt, K. Ramasubba Reddy, Janakiram
36	DMMS -Doulathabad	21 <sup>st</sup> March, 12	K. Ramasubba Reddy, Janakiram
37	CHESTD-Kusumanchi	26 <sup>th</sup> March,12	K. Ramasubba Reddy, Janakiram, Ramulu
38	WUA-Khammam	27 <sup>th</sup> March, 12	K. Ramasubba Reddy, Janakiram, Ramulu
39	PD/ATMA-Nalgonda	4 <sup>th</sup> April, 12	K. Ramasubba Reddy
40	PILUPU-Thurkapalli	9 <sup>th</sup> April, 12	K. Ramasubba Reddy
41	CROPS-Gundala	10 <sup>th</sup> April,12	K. Ramasubba Reddy
42	PD/ATMA-Nalgonda	11 <sup>th</sup> April,12	K. Ramasubba Reddy
43	SWEET-Kattangur	12 <sup>th</sup> April,12	K. Ramasubba Reddy
44	CHESTD,Jagruthi and WUA	20 <sup>th</sup> ,21 <sup>st</sup> April,12	B. Janakiram
45	SHARP-Mothkur	20 <sup>th</sup> April,12	K. Ramasubba Reddy
46	BMMS-Bomraspet	23 <sup>rd</sup> April,12	K. Ramasubba Reddy, Janakiram
47	DMMS-Doulathapet	24 <sup>th</sup> April,12	K. Ramasubba Reddy, Janakiram
48	JDA meeting, Khammam	26 <sup>th</sup> April,12	B. Janakiram
49	JDA office-Mahabubnagar	5 <sup>th</sup> May, 12	K. Ramasubba Reddy
50	PD/ATMA-Nalgonda	07 <sup>th</sup> May,12	K. Ramasubba Reddy
51	TREES-Mulugu	08 <sup>th</sup> May, 12	K. Ramasubba Reddy, Janakiram
52	CHESTD,Jagruthi and WUA	9 <sup>th</sup> ,10 <sup>th</sup> May, 12	B. Janakiram
53	PD/ATMA-Sangareddy	17 <sup>th</sup> May,12	K. Ramasubba Reddy

54	CROPS-Gundala	19 <sup>th</sup> May, 12	K. Ramasubba Reddy, Janakiram
55	NAVAJYOTHI-Siddipet	21 <sup>st</sup> , May 12	K. Ramasubba Reddy
56	ASSMA-Gattamalyala	29 <sup>th</sup> , May 12	K. Ramasubba Reddy
57	CROPS-Brahmanapalli	2 <sup>nd</sup> June12	K. Ramasubba Reddy, Janakiram
58	PD/ATMA-Medak	5 <sup>th</sup> June, 12	K. Ramasubba Reddy
59	CHESTD,Jagruthi and WUA	7,8 <sup>th</sup> June,12	B. Janakiram
60	CHESTD,Jagruthi and WUA	15 <sup>th</sup> ,16 <sup>th</sup> , June,12	B. Janakiram
61	PD/ATMA-Sangareddy	20 <sup>th</sup> June,12	K. Ramasubba Reddy, Janakiram

AP SRI Consortium organized a review and planning meeting on 12<sup>th</sup> Dec, 2011 at WASSAN. All the NGO field coordinators have participated. AP SRI Consortium members - Dr. M S Rao (NABARD), Dr. Mahendra Kumar (DRR), Ravindra (WASSAN) and Shri. Rajasekhar (CSA) participated in the review meeting.

## Labour Groups

It is decided as a program strategy to form groups of Transplantation Labour and groups of Weeding Labour. They will be assigned to the farmers – to help in easy mobilization of labour for farmers. The labour group shall have a contact mobile number and the local wage rates for transplantation and weeding are commonly decided by labour and farmers. The list of labour groups is in Annexure 3 (for three NGOs – rest is being developed).

Labour groups are organized CROPS, DMMS, JAGRUTHI and CHESTD-2 and extend trainings to them on SRI paddy transplantation and weeding; each labor group has 10 to 15 members (*Annexure 5*).

## Custom Hiring Center

As per program design, CBO / SR committee will establish a custom hiring center or a group based pool of implements to provide markers and weeders for SRI on rental basis. Markers and weeders are provided at the rate of one marker per 8 acres and one weeder per 8 acres. The CBO will have a choice to choose the marker and weeder among the various types available. These can be fabricated locally as decided by the SRI Committee. It is important to assign the responsibility of maintaining the implements with one person on a payment basis.

But it could not happened for various reasons like delays in releasing the budgets and PDs/JDAs have not received guidelines timely and are not clear with budget releases and area under SRI is also less. DoA has distributed 100 fiber cono weeders to each district, DMMS, BMMS, Eco-Club, Balavikas, CROPS and BASIX have not taken the supplied fiber cono weeders as they used *Mandava* weeders which are locally manufactured.

## Farmers and Acres details

In Rabi 2011, the total area under SRI (JAISRI) this program was **637** Acres with **709** farmers in four districts. It could reach only to 60% of the targeted Rabi area due to

prevailing drought situations in the state and administrative delays in releasing the budgets. BMSS and DMSS of Mahabubnagar district and CROPS, PILUPU, ARDS and SHARP of Nalgonda district suffered with dried bore wells which resulted in drying up of 40% of the SRI area at vegetative and panicle stage.

WUA-1, WUA-2 and CHESTD-1 sites of Khammam district could not start the work in Rabi as irrigation department did not provide water to canals. In kharif 2012 CHESTED-1 and WUA-1 have initiated the preparatory work. Mahabubnagar district is leading; its acreage is 331 out of 637 ac (almost 50% of the total area. The Least area covered was experienced in Khammam as work could not start in three sites of the districts.

S.No	District	No. of farmers	Total Acres
1	MEDAK	212	151.75
2	MBNR	239	331.00
3	KHAMMAM	28	15.75
4	NALGONDA	230	138.50
	<b>TOTAL</b>	<b>709</b>	<b>637</b>

## NGO wise details

BMSS and DMSS have 134 and 133 acres of SRI respectively and stood first among all NGOs. In Nalgonda, acreage under SRI is more in ARDS (31.5ac) followed by SHARP & CROPS (30ac), in Medak highest acreage is with BASIX-1 followed by ASSMA (30.75ac).

Earlier WOTR was selected in Mahabubnager district under JAISRI, before signing the agreement they have withdrawn from the program. Balavikas took place of WOTR as it is the next to WOTR (based on marks given by selection panel members). Due to all these reasons, they have started the work very late; acreage is 8.5 ac. In Khammam, CHESTED-2 and JAAGRUTHI have started the work and their area under SRI is 11 and 4 ac respectively.

## District wise area under SRI, Rabi 11

S.No	DISTRICT	NGO NAME	NO OF FARMERS	AREA OF ACRES
1	Nalgonda	SHARP	41	30.00
2		PILUPU	30	22.00
3		ARDS	66	31.50
4		SWEET	25	25.00
5		CROPS	68	30.00
6	Medak	TREES	28	27.95
7		ASSMA	61	30.75
8		Navajyothi	31	25.50
9		BASIX-I	49	40.10

10		BASIX-II	43	27.45
11	Mahabubnagar	BMMS	70	134.00
12		DMMS	84	133.25
13		Eco-Club-1	37	28.25
14		Eco-Club-2	36	27.00
15		Balavikas	12	8.50
16	Khammam	Jagruthi	13	4.75
		Chestd-1	0	0.00
17		Chestd-2	15	11.00
		<b>Total</b>	<b>709.00</b>	<b>637.00</b>

## Budget Releases

DoA has released the budgets to Districts; intern JDA / PD, ATMA of concerned districts has to release the budget to NGOs and CBOs by the signing the MoU. Signing of MoU was completed in December, 2011 and budgets released to NGOs from Feb-April, 12.

Total released Budget to JDAs / PDs	Budgets released to NGOs	Bank Balance
30,24,000	18,72,875	11,51,125

NGOs have employed the staff in September and started the field work. Signing of MoU is completed in December whereas budgets were released in Feb-April.

As per the program design, CBOs are supposed to **pay the labour intensive to the farmer** for weeding. In majority of the sites, weeding was over by the months of December and January as detailed in the following table.

S No	NGO Name	Dates	Nursery Bed	Transplantation	Weeding	Field Days
1	ARDS	Starting	31.12.11	14.1.12	25.1.12	
		Ending	13.1.12	30.1.12	07.3.12	
2	SHARP	Starting	25.11.11	09.12.11	22.1.12	20.4.12
		Ending	5.1.12	22.1.12	3.3.12	
3	CROPS	Starting	1.12.11	15.12.11	28.12.11	28.4.12
		Ending	27.1.12	13.2.12	16.3.12	
4	SWEET	Starting	31.11.11	14.12.11	28.12.11	29.4.12
		Ending	31.1.12	12.2.12	14.3.12	

5	PILUPU	Starting	5.12.11	20.12.11	3.1.12	24.4.12
		Ending	28.12.11	15.1.12	26.2.12	
6	ASSMA	Starting	18.12.11	2.1.12	16.1.12	29.5.12
		Ending	18.1.12	1.2.12	14.3.12	
7	TREES	Starting	29.11.11	14.12.11	27.12.11	12.5.12
		Ending	5.1.12	20.1.12	25.2.12	
8	NAVAJYOTHI	Starting	12.11.11	25.12.11	8.1.12	21.5.12
		Ending	15.1.12	29.1.12	3.3.12	
9	BASIX	Starting	12.12.11	25.12.11	9.1.12	3.5.12
		Ending	13.1.12	26.1.12	28.2.12	
10	BMMS	Starting	4.12.11	20.12.11	4.1.12	
		Ending	20.1.12	6.2.12	10.3.12	
11	DMMS	Starting	10.12.11	24.12.11	7.1.12	
		Ending	12.1.12	27.1.12	2.3.12	
12	Eco-club	Starting	15.12.11	29.12.11	1.12.12	29.5.12
		Ending	22.1.12	5.2.12	3.3.12	
13	BALAVIKAS	Starting	13.1.12	27.1.12	11.3.12	
		Ending	15.02.12	29.2.12	2.3.12	
14	JAGRUTHI	Starting	30.11.11	14.12.11	26.1.12	21.4.12
		Ending	25.12.11	20.1.12	25.2.12	
15	CHESTD-2	Starting	21.12.11	5.1.12	18.1.12	23.4.12
		Ending	09.01.12	25.1.12	27.2.12	

## Review Meetings

PD, ATMAs / JDA of concerned districts conducted review meetings for NGOs. NFSM consultants and AOs, BTMs and SMSs also visited the fields.

S. NO	District name	Date
1	Nalgonda	7 <sup>th</sup> May, 12
2	Mahabubnagar	5 <sup>th</sup> May, 12
3	Medak	17 <sup>th</sup> May, 12 & 20 <sup>th</sup> June, 12
4	Khammam	26 <sup>th</sup> April, 12

At state level DoA convened steering committee meetings to review the JAISRI and mainstream SRI programs, Commissioner is the chairperson to the committee. AP SRI Consortium submitted the progress reports on JAISRI to Commissioner, Agriculture. All issues and concerns related to program have discussed and decisions have been taken up in steering committee meetings.

## JAI SRI – AP Google Group

Google group is created for SRI program, named as jaisri-ap@googlegroups.com. NGO heads, coordinators, consortium members joined in this group. Google group has become a platform for sharing. This is open to all who are interested to join.

## JAI SRI Website

As a Part of APSRI Consortium, WASSAN created a web page on AP SRI Consortium in WASSAN's website. For more details visit [http://www.wassan.org/jaisri\\_ap/jaisriap\\_home.htm](http://www.wassan.org/jaisri_ap/jaisriap_home.htm)

## SMS based reporting

WASSAN, Secretariat of AP SRI Consortium has piloted a monitoring systems though SMS Based weekly reports and monitoring visits. WASSAN has regularly shared weekly / fortnight updates regarding site wise no. of nursery beds raised and acreage under transplantation. Through all this process AP SRI Consortium is able to identify the sites where progress is slow and accordingly plans the monitoring visits to push the NGO staff to speed up the work.

The SMS monitoring messages are field tested and after incorporating small corrections the information is made available on the website. In coming Kharif, use of SMS based reporting systems is planned.

## DATA collection and analysis

WASSAN has developed the questionnaires to collect the farmer wise data. We have received the filled in questionnaires from 14 sites out of 17; haven't received the data from three sites due to late transplantation. Analysis was done with available data, that can be seen later part of the report.



## Field Day Events

Field Days were organised in 12 sites out of 17. NGOs have invited DRR and DoA district officials for these field days. From WASSAN, Ramsubbareddy (SRI coordinator), Janakiram (program officer) participated. NGOs have shared their field reports to AP SRI Consortium. SRI and Non-SRI farmers have attended the field days and shared the pros and cons of SRI. Crop cutting experiment was conducted and data like no. of hills per sqmt, **no. of tillers / sqm, no. of**





**effective tillers, no. of filled grains and chaffy grains, straw yield** were collected for SRI and Non-SRI and presented. It turned out to be useful for non-SRI farmers to understand the SRI and take up the same in the next season.

**Crop cutting experiment at PILUPU - Result:**

S.No	Parameters	SRI			Non-SRI		
		Sqmt 1	Ssqmt 2	Sqmt 3	Sqmt 1	Sqmt 2	Sqmt 3
1	No. of hills	16	16	16	38	31	43
2	No. of tillers	25	21	26	19	20	16
3	No. of effective tillers	24	21	24	16	18	16
4	No. of tillers with out panicles	1	0	2	3	2	0
5	No. filled grains	75	102	91	53	48	44
6	No. of chaffy grains	13	25	16	10	15	10
7	Grains weight (kg) / sqmt	767			567		
8	Straw weight (kg) / sqmt	1533			1272		



## Issues and Concerns

- a) The program received reasonably good support from the Department of agriculture
- b) Administrative delays in budget releases to NGOs hampered the progress. NGOs do not have clarity on how to access the departmental share in this project. .
- c) Communication material, Website Development and workshops:it is suggested earlier by the Department that AP SRI Consortium will be given this responsibility along with the budgets. Decision need to be taken on this followed by necessary action.
- d) Quarterly review meeting - Is it possible to have quarterly review meeting with all PD, ATMAs, NGO heads, AP SRI consortium members and field coordinators regularly?
- e) Steering committee members field visits – it will help us to cross check the progress and learn new things happening in the field

WASSAN

# Rabi, 2011 SRI Data Analysis and Summery Tables

Andhra Pradesh SRI Consortium

## Summary Tables

**SRI practicing farmers and area under SRI:** Analysis of monitoring data is showing that 48.09% of the total paddy area (of SRI farmers) is under SRI. 26.23% of the farmers have been practicing SRI in 0-2.00 Acres land holding, 34.56% farmers in 2 – 4 Ac land holding, 23.55% farmers in 4 – 6 Ac land holding, 14.53% farmers in 6 – 10 Ac in land holding and 1.13% of farmers have above 10 acres.

Table 1: Land holding details of SRI farmers

Category	% of SRI farmers	Total land (in acres)	% paddy area to total land	% SRI to total paddy area
Marginal(0-2)	26.23	316	52.69	68.71
Small(>2-4)	34.56	852.15	47.33	50.30
Semi-Medium(>4-6)	23.55	900.5	46.09	45.66
Medium(>6-10)	14.53	830.25	37.21	39.29
Large(>10)	1.13	118	27.12	29.31
All	100	3016.9	43.95	48.09
		3016.9	1325.8	637.54

**SRI area:** The mean area under SRI is 0.9aca. Most of the farmers in the sample are small to marginal farmers. Min is 0.37ac and 1.91ac

Table 2: Land under SRI

NGO	Land_under_SRI	
	Mean (Ac)	STDEV
ARDS	0.48	0.16
ASSMA	0.5	0.09
BALAVIKAS	0.71	0.72
BASIX-I	0.82	0.39
BASIX-II	0.64	0.23
BMMS	1.91	0.88
CHESTD-II	0.73	0.26
CROPS	0.45	0.175
DMMS	1.59	0.52
ECO-CLUB I	0.76	0.35
ECO-CLUB II	0.75	0.43
JAGRUTHI	0.37	0.21
NAVAJYOTHI	0.82	0.41
PILUPU	0.73	0.53
SHARP	0.73	0.25
SWEET	1	0

TREES	1	0.41
All	0.9	

**Organic manures:** SRI farmers have added organic manures to paddy field; average value of the manure used is Rs. 2783, min Rs. 700 and Max Rs. 4500. It may be due to livestock with farmers or capacity to purchase the manure. In Pilupu area CV is more

Table 3: Cost of organic manures used in acre

NGO	Organic Manure used – Cost Per Acre (Rs)	
	Mean	CV
ARDS	7450.3	48.63
ARDS		
ASSMA	1422.93	28.4
BALAVIKAS	4066.67	11.01
BASIX-I	.	.
BASIX-II	733.5	12.82
BMMS	0	.
CHESTD-II	2000	0
CROPS	1151.13	66.41
DMMS	3485	41.66
ECO-CLUB I	.	.
ECO-CLUB II	.	.
JAGRUTHI	707.69	21.17
NAVAJYOTHI	3747.32	35.37
PILUPU	4501.13	99.66
SHARP	1975.61	7.91
SWEET	1640	51.56
TREES	3674.32	54.8
All	2783.6	109.59

**Seedling age:** 58% farmers went for transplantation at the age of 10-15 days, 35% of the farmers have transplanted 15-20 days old seedlings. 7% of the farmers transplanted seedlings of more than 20 days. Few farmers opted for late transplantation due to low temperature.

Table 4: Seedling age at the time transplantation

NGO	Age of the seedlings at the time transplantation (age in days)			
	10 to 15	S	20 to 25	25 to 30
	RowPctN	RowPctN	RowPctN	RowPctN

ARDS	84.85	12.12	3.03	.
ASSMA	40.98	59.02	.	.
BALAVIKAS	100	.	.	.
BASIX-I	16.33	57.14	26.53	.
BASIX-II	2.33	46.51	51.16	.
BMMS	48.57	51.43	.	.
CHESTD-II	100	.	.	.
CROPS	83.82	16.18	.	.
DMMS	100	.	.	.
ECO-CLUB I	83.33	16.67	.	.
ECO-CLUB II	72.22	27.78	.	.
JAGRUTHI	.	.	30.77	69.23
NAVAJYOTHI	32.26	67.74	.	.
PILUPU	60	40	.	.
SHARP	58.54	41.46	.	.
SWEET	36	64	.	.
TREES	10.71	85.71	3.57	.
All	58.13	34.65	5.94	1.27

**Labour for transplantation:** Labourers are required to complete the transplantation in acre, mean is 10, min 1 and max is 66. Deviation within the NGO is less.

Table 5: Labour for transplntation

NGO	No_labour_transplantation			
	Mean	Min	Max	STDEV
ARDS	6.44	5	10	2.28
ASSMA	8.11	4	18	1.26
BALAVIKAS	16.25	11	66	15.69
BASIX-I	.	.	.	
BASIX-II	.	.	.	
BMMS	14.91	6	25	
CHESTD-II	4.4	3	6	1.54
CROPS	5.42	1	18	2.87
DMMS	17.38	4	50	9.19
ECO-CLUB I	.	.	.	

ECO-CLUB II				
JAGRUTHI	5.54	5	8	
NAVAJYOTHI	4.13	3	8	0.88
PILUPU	8.13	1	21	4.34
SHARP	5.66	4	8	2
SWEET	8.28	6	12	1.2
TREES	11.93	7	22	4.42
All	9.74	1	66	

**District wise weeding details:** Taking all the four districts it is found that on an average 96.76% of the farmers performed mechanical 1<sup>st</sup> weeding, 95.63% farmers performed 2<sup>nd</sup> weeding, 55.01% farmers performed 3<sup>rd</sup> weeding, and 53.03% farmers performed manual hand weeding.

Table 6: Weeding details

District	1st Weeding	2nd Weeding	3rd Weeding	Hand Weeding
Khammam	100	100	53.57	100
Mahabubnagar	98.74	98.33	38.49	49.37
Medak	100	98.11	51.89	43.4
Nalgonda	91.3	90	75.22	60
All	96.76	95.63	55.01	53.03

### Investments on fertilizers and pest management per acre

Considering all the four districts together on an average per acre investment on chemical fertilizers remained at Rs 6895 with minimum and maximum being Rs 1405 and Rs. 2296 respectively. On an average across all sites per acre Investment on pest management was Rs 631 with a minimum of Rs 92 and a maximum of Rs 1621. In ASSMA and Balavikas, farmers have gone for late transplantation which made them incur more investment on pest management.

Table 7: Investments on fertilizers & Pesticide per acre (Rs)

NGO	Total chemical Fertilizer Cost per ac (Rs)		Pest Management Cost Per Acre (Rs)
	Mean	CV	Mean
ARDS	4470.18	48.63	213.18
ASSMA	2265.56	25.7	1621.33
BALAVIKAS	6895.17	12.1	603.33
BASIX-I	1708.9	28.69	
BASIX-II	1950.05	18.54	
BMMS	1531.71	65.88	464.91
CHESTD-II	3600	0	1500

CROPS	2126.29	82.93	0
DMMS	1650.69	40.55	92.86
ECO-CLUB I	1982.59	46.31	297.08
ECO-CLUB II	2315.56	21.11	
JAGRUTHI	2014.62	25.59	1107.69
NAVAJYOTHI	2809.13	35.06	
PILUPU	1405.4	53.93	227.95
SHARP	2601.22	13.68	419.51
SWEET	1631.2	39.22	583.33
TREES	1447.21	63.52	390.93
All	2296.38	64.56	631.05

**NGO wise total expenditure per Acre:** An examination through all the NGOs reveal an average total expenditure per acre of Rs 12,249 whereas minimum and maximum were Rs 10,010 and Rs. 14,990 respectively.

Table-8: Expenditure per acre (Rs)

NGO	Total Expenditure Rs. Per Acre			
	Mean	Min	Max	CV
ARDS	11534.46	10642	14668.18	13.62
ASSMA	13322.48	11466	14892	6.28
BALAVIKAS	13040.33	13040.33	13040.33	
BASIX-I	10400	10400	10400	
BMMS	11624.76	10200	13350	8.91
CROPS	12378.57	10140	14950	13.2
DMMS	11939.64	10143.33	14260	12.49
ECO-CLUB II	11484	10026	13606	6.22
JAGRUTHI	13516	10970	14040	7.42
NAVAJYOTHI	11791.43	10070	14640	12.49
PILUPU	12110.73	10010	14145	11.4
SHARP	12063.24	10310	14560	9.05
SWEET	11750.38	10400	14990	13.21
TREES	11693.78	10413.33	13213.33	8.59



All	12249.88	10010	14990	10.92
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**District wise grain yield:** Minimum grain yield of 10 quintals/ Acre was experienced in Nalgonda and Medak districts. Maximum grain yield 44 q/Acre in Medak district also witnessed the maximum grain yield of 44 quintals/Acre. Average grain yield was 26.51 quintals/Acre.

Table 9: Grain yield per acre (Q)

District	Grain Yield Per Acre in Quintal			
	Mean	Min	Max	CV
Khammam	25.36	22.4	36.4	12.64
Mahabubnagar	30	11.5	42	15.16
Medak	25.67	10	44	24.71
Nalgonda	22.48	10	36	26.31
All	26.51	10	44	23.18

**NGO wise gross income:** Minimum gross income Rs.15000/Acre in PILUPU organization and maximum gross income Rs.41350/Acre in BMMS. Average gross income per acre is Rs. 32,171. Mean values are more or less closer to each other across NGOs.

Table 10: Gross income per Acre (Rs)

NGO	Total Gross Income Per Acre		
	Mean	Min	Max
ARDS	26573.65	18684	38427
BMMS	38131.58	28640	41350
CHESTD-II	29693.33	29000	30000
CROPS	26735.2	16930	40988
DMMS	33216.1	23875	39660
ECO-CLUB I	28703.3	19433	32300
JAGRUTHI	33312.17	29072	37724
NAVAJYOTHI	31010	15100	37300
PILUPU	25138.17	15000	38462
SHARP	27500	27500	27500
SWEET	34816.68	30015	40190
TREES	28081.43	20190	38000
All	32171.94	15000	41350

**NGO wise net income details:** Minimum net income per acre is Rs 15,100/Acre in PILUPU organization and Maximum net income per acre is Rs. 35,490/ac in SHARP organization. Average net income is Rs. 25,223/Acre. Eco-Club1, Jagruthi, Navajyothi and Pilupu experience low mean values.

Table 11: Net income per acre (Rs)

NGO	Net Income Per Acre		
	Mean	Min	Max
BMMS	28000	20137	31510
CROPS	22337	18984	28873
DMMS	22222	15840	31955
ECO-CLUB I	16823	15416	18678
JAGRUTHI	18628	17412	21732
NAVAJYOTHI	18498	15170	31100
PILUPU	18999	15100	23900
SHARP	32460	16770	35490
SWEET	21359	17200	30260
TREES	23127	15507	34712
All	25223	15100	35490

## Comparison of SRI and non SRI

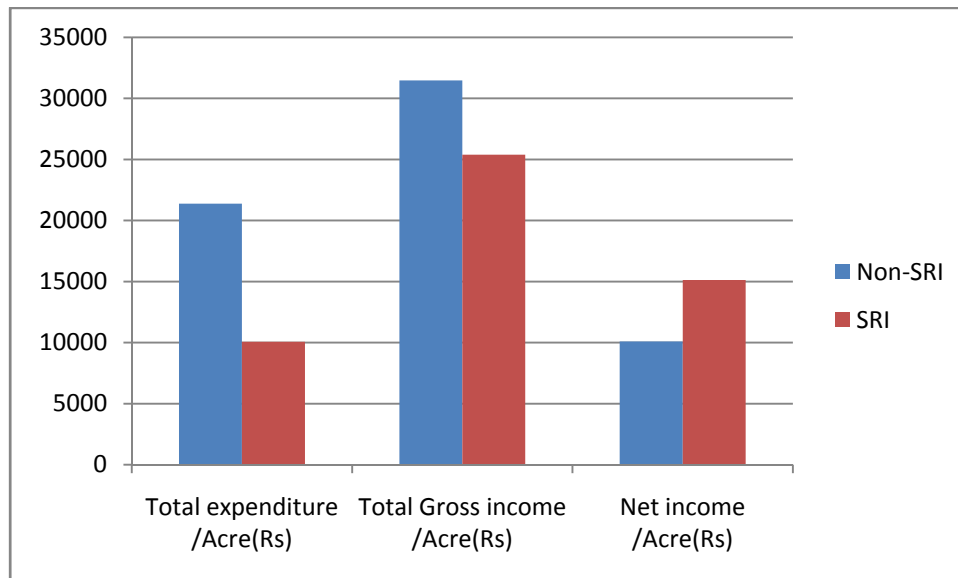
The data on SRI and Non-SRI is available for four organizations. Analysed the sample of 221 farmers (129ac) and 92 (59ac) SRI and Non-SRI farmers' respectively. SRI and Non-SRI data is available for only 4 NGOs; analysed the four NGOs data and tried to compare.

Table 12: Comparison of SRI and Non-SRI (Rs/ac)

Operations	Non-SRI		SRI		SRI over Non-SRI	
	Mean	CV	Mean	CV	Difference	Difference in %
Land preparation costs (Rs)	2324.73	62.23	1005.61	94.31	-1319	-56.74
Total fertilizers cost	4481.4	28.89	3388.6	64.22	-1093	-24.39
Seed rate (kg)	30.92	90.81	1.83	48.22	-29	-94.08
Seed Cost (Rs)	805.27	44.81	36.99	47.51	-768	-95.41
weeding cost	1372.8	39.42	1240.36	94.7	-132	-9.65
Transplantation cost (Rs)	1684.95	42.59	829.34	47.77	-856	-50.78
Pest management costs (Rs)	731.71	47.83	288.62	122.36	-443	-60.56
Total threshing cost	1973.12	70.94	914.93	96.16	-1058	-53.63
Total expenditure /Acre(Rs)	21375.53	47.66	10073.09	53.61	-11302	-52.88
Grian yield/ Acre (Q)	23.5	18.49	25.77	62	2	9.66
Total Gross income /Acre(Rs)	31467.34	16.61	25391.6	56.97	-6076	-19.31
Net income /Acre(Rs)	10091.81	112.33	15133.46	100.97	5042	49.96

As seen in Table 12, SRI has yield advantage of 10 percent over the conventional paddy cultivation. Reduction in transplantation and weeding cost are observed 51% and 10% respectively. Substantial decrease in total expenditure by rupees 11,302 per ac has a marked impact on the net returns in SRI which is 50 percent higher than the conventional.

Graph 1: Expenditure and returns (Rs/Ac)



## **Annexure- 1: Structure for presentation for NGOs selection**

### **Stream 2: Up-scaling of SRI in Andhra Pradesh**

Sub-Group of the Steering Committee for upscaling of SRI

#### **One Page Note to be submitted:**

1. Name of the organization:
2. Address:
3. Contact Person: Name
4. Contact Person : Mobile numbers:
5. Type of organization :
6. Established Year :
7. Thematic areas the organization is working on:
8. SRI experience:
  - a. First initiative on SRI (year):
  - b. District and Mandal where the experience is :
  - c. Number of farmers practicing SRI as of now:
  - d. Area under SRI at present in their working area:
  - e. Rice situation : canal / tank / bore well
  - f. Any publications/ reports:

#### **Structure of Presentation on 16th:**

1. Brief on organization (one slide)
2. Why the organization wants to promote SRI? (one slide)
3. Previous experience on SRI (one or two slides)
  - a. Details of location
  - b. Area and number of farmers
  - c. What are the observed trends in adoption?
  - d. Where are the gaps observed?

4. How they can promote SRI / what could be their strategy to expand SRI to 75 acres (30 ha) in the first year, additional 100 ac (40 ha) in the second and 75 ac (30 ha) in the third year.

## Annexure 2 - NGO wise staff details

Name	Designation	NGO Name	Mobile No
Zameeruddin	Coordinator	ARDS	9441364530
Venkateshwarlu	Activist	ARDS	9705889551
Venkataiah	Activist	ARDS	9848783512
Ashok	Coordinator	ASSAMA	9949820556
Yadagiri	Activist	ASSAMA	9963539575
Srinivas Reddy	Activist	ASSAMA	9492913082
Naidu	Coordinator	BASIX	9666833697
Sunil	Coordinator	BASIX	9700051235
Nagaraju	Activist	BASIX	9491745080
Mallaiah	Activist	BASIX	9492252894
Ravi	Activist	BASIX	9441574902
Ramesh	Activist	BASIX	9640721654
Ramulu	Coordinator	BMMS	9885087505
Laxmaiah	Activist	BMMS	9701736355
Suryanaiak	Activist	BMMS	9603719361

Srinivas Rao	Coordinator	CHESTED	9951220122
Giribabu	Coordinator	CROPS	9912688157
Ramulu	Activist	CROPS	8374999471
Ilaiah	Activist	CROPS	9010153753
Gopal	Coordinator	DMMS	9989159065
Hanumanthu	Activist	DMMS	9949985298
Ramulu	Activist	DMMS	9603518589
Madhavi	Coordinator	Jagruthi	9493218126
Dhanamma	Activist	Jagruthi	9963905465
Upendar	Activist	Jagruthi	9652414739
Lavanya	Coordinator	Navajyothi	9652895667
Yadagiri	Activist	Navajyothi	8978701552
Isthari	Coordinator	PILUPU	9848177188
Santosh Reddy	Activist	PILUPU	9666407283
Krishna	Activist	PILUPU	9666407285
Prasad	Coordinator	REWARD	9652413776
Yadagiri	Coordinator	SHARP	8374452955
Ramanarsaiah	Activist	SHARP	9912096220
A Swamy	Activist	SHARP	8374508939

Venkanna	Coordinator	SWEET	9550460761
Sekhar	Activist	SWEET	8374999512
Saidamma	Activist	SWEET	8374999503
Srishylam	Coordinator	TREES	9908523728
Narsimhulu	Activist	TREES	9705313239
Sudharsan	Activist	TREES	9490393116

### Annexure – 3 : SRI villages list

S.No	NGO Name	DISTRICT	MANDAL	VILLAGE
1	BASIX	MEDAK	Medak	Burugupalli Fareedpur
2	NAVAJYOTHI	MEDAK	Chinnakodur	Mylaram Yellaipalli Allipur Gangapur Guvvalagondi Gopulapur

3	TREES	MEDAK	Mulugu	Mulugu Banda Narasampalli Adavimasjid Kseerasagar Zaptusingaipalli Annasagar Kamalabad
4	ASSMA	MEDAK	Nanganur	Gatlamalyala Gopulapur Khatha
5	SHARP	NALGONDA	Mothukur	Dharmapuram Kondagadapa Patimatla
			Gundala	Ramapuram Seetharamapuram Theryala
6	ARDS	NALGONDA	Devarakonda	KorrtakruThanda KorradevulaThanda Mallareddypalli Ambatonigudem Dub bathanda Jarpulathanda Devarakonda



7	SWEET	NALGONDA	Katangur	Bollepalli Perimdevigudem Mallaram Gangadevammagudem Itipamula Rasoolgudem
8	PILUPU	NALGONDA	Turakapalli	Malkapur Turkapalli Srinivaspur Ibrahimpur Pallepahad Mothiramtanda Gollagudem Dharmaram
9	CROPS	NALGONDA	Gundala	Velmajala Burugubavi Suddala Brahmanapally
10	ECO-CLUB	MAHABUBNAGAR	Navabpet	Lignampalli Dharipalli Kollaguttatanda Thimmapur Jangamaipalli
			Kondurg	Pomal Thimmaipalli Kamaram Pallegadda

12	DMMS	MAHABUBNAGAR	Douthalabad	Thimmareddypallui Gokaphasalpahad Allapur Neetur Narsapur Kouded
13	BMMS	MAHABUBNAGAR	Bomraspet	Bomraspet Metlakunta Buranpur Ananthpurthanda Nagireddypalli Choudarpalli
14	BALAVIKAS	MAHABUBNAGAR	Weepanagandla	Weepanagandla

#### Annexure – 4 : NGO wise field level training programs

S.NO	Place	Date	No. of participants	Participants from outside
1	Burugupally, Medak ( BASIX-Krishi)	19 <sup>th</sup> Nov	94	Dr. D J Raju and Ramasubba Reddy, BharathBhushan, AO
2	Chinnakoduru, Medak (Navajyothi)	20 <sup>th</sup> Nov	76	Dr. D J Raju and Ramasubba Reddy, Rajkumar, DDM, NABARD, Srinivas from DAATTC
3	Mulugu, Medak (TREES)	26 <sup>th</sup> Nov	84	Dr. D J Raju and Ramasubba Reddy, Tulasiram, AO
4	Motkur, Nalgonda (SHARP)	27 <sup>th</sup> Nov	78	Dr. D J Raju and Ramasubba Reddy, Rajesh Kumar, AEO
5	Gatlamalyala, Medak (ASSMA)	8 <sup>th</sup> Dec	70	Dr. D J Raju and Ramasubba Reddy,

6	Bollepally, Nalgonda (SWEET)	9 <sup>th</sup> Dec	50	Dr. D J Raju and Ramasubba Reddy, Chakrapani (Retd. AO), Krupakar(Rice consultant, NFSM, Nalgonda).
7	Velmajala, Nalgonda (CROPS)	10 <sup>th</sup> Dec	130	Dr. D J Raju and Ramasubba Reddy, Kiranmai (Saptagiri Channel Agri Director).
8	Devarakonda, Nalgonda (ARDS)	11 <sup>th</sup> Dec	72	Dr. D J Raju and Ramasubba Reddy Madhu (AEO) Bhavani (AO,Chennampet) Malleesh (DTM/ATMA)
9	Thurkapalli, Nalgonda (PILUPU)	12 <sup>th</sup> Dec	42	Dr. D J Raju and Ramasubba Reddy,
10	Gollapadu, Khammam (JAGRUTHI)	17 <sup>th</sup> Dec	35	Ramasubba Reddy Hemanth Kumar(DAATTC, Khammam) Venkataramana(DAATTC, Khammam) PragathiKumari (KVK, Wyra)
11	Bandirevu, Khammam (CHESTED)	18 <sup>th</sup> Dec	28	Dr. Punna Rao (ANGRAU) Ramasubba Reddy Hemanth Kumar(DAATTC, Khammam) Venkataramana(DAATTC, Khammam)

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Navabpet, Mahabubnagar (ECO-CLUB)

18<sup>th</sup> Dec

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Dr. Mahendra Kumar (DRR, Hyderabad)

#### Annexure 4: Training to fabricators

S.No	NGO Name	Fabricator Name
1	ARDS	Praveen
2	SHARP	M. Anjaiah
3	CROPS	Sathya Narayana
4	SWEET	Vinod
5	NAVAJYOTHI	Venkatesh
6	BASIX	Venukumar
7	DMMS	Chennakesavulu
8	Eco-club	Ram Reddy
9	BMMS	Suresh kumar
10	Jagruthi	Anjaiah Chary
11	CHESTD-2	A. Sekhar

## Annexure 5: Labour Group Details

District: Nalgonda

S.No	NGO Name	Village name	Group name	Total members	Group leaders name	Contact number	Wage rates fixed (Yes/No)	For transplantation (Rs)	For weeding (Rs)
1	PILUPU	Thurkapally	SRI	10	P. Pentamma	9491630931	yes	100	200
2		Pallepahad	SRI	11	R. Sudharani	8790162129	yes	100	200
3		MothiramThanda	SRI	8	Banothu Devi	991257319	yes	100	200
4		Malkapur	SRI	8	AkulaSathima	8096346401	yes	100	200
5		Ibrahimpur	SRI	10	P.Yakamma	8374795587	yes	100	200
6		Gollagudem	SRI	10	k.Anuradha	9705182996	yes	100	200

District: Nalgonda

1	ARDS	JarpulaThanda	Guru SwamyNatuSangam	12	J.Alivelu Shankar	W/o	9866959050	No	2250	-
		JarpulaThanda	VeeraBhadraKalupuSangam	5	J.Bitchya Roopa	S/o	9705343592	No	-	1600
2		KorraDevlaThanda	BalajiNatuSangam	10	K.Sujatha Sreenu	W/o	9705263685	No	2250	-
		KorraDevlaThanda	AnjaneyaKalupuSangam	5	K.Surya Laxmipathi	S/o	9666607155	No	-	1600
3		KorraTakruThanda	BhavaniNatuSangam	10	K.Hansi Limma	W/o	9705498027	No	2250	-

		KorraTakruThanda	RanganathaKalupuSangam	5	K.Sariram Ramsingh S/o	-	No	-	1600
4		Ambatonigudem	SathyaSaiNatuSangam	10	S.Chandrakala W/o Anthaiah	9848783512	No	2250	-
		Ambatonigudem	VenkateshwaraKalupuSangam	5	A.Sathaiah Sheshaiah S/o	8096348678	No	-	1600

District: Mahabubnagar

1	BMMS	Metlakunta	Swarnamukhi	10	Mogulamma		Y	1250	
2		Bomraspet	Ananpurna	10	Satyamma	9701098927	Y	1060	600
3		Bomraspet	Saiteja	10	Sailamma	8179534987	Y	1060	600
4		Nagireddipally	Srilaxmi	10	Bheemamma	9392246412	Y	1500	
5		Ananthapoor	Bhavani	10	Padmabai	9391960672	Y	1350	