

Centre for Research on Integrated Farming Systems
S. D. Agricultural University, Sardarkrushinagar
Success Story under RKVY

- 1. Title:** Creation of infrastructural facility for Research on Integrated Farming System
- 2. Category:** Agri infrastructure development, Additional income & research for nutritional and Livelihood security
- 3. Challenges:** Proper infrastructure facilities were unavailable at IFS Research Farm to address the research based integrated approach for farmers.
Farming systems approach is one venture to harness the complementary and synergies among different enterprises and augments the total productivity, profitability and gainful rural employment. Our national goal is growth with equity, inclusive growth, poverty alleviation, food security, nutritional security, livelihood security, employment and income generation for small and marginal farmers. No single farm enterprise can provide livelihood to a family of five members. An integrated farming systems is only pathway provide requirement of small and marginal farmers. Hence, creation of infrastructural facilities helpful for strengthening the facility of research on IFS.
- 4. Initiative:**
 - 4.1 Infrastructure initiatives:** constructed office building with well equipped laboratory from 2012-13 to 2014-15 with 208.00 Lakh expenditure
 - 4.2 Research initiatives:** Cropping system based research experiment had been started and based on Research achievement. Green gram- Funnell+ Cauliflower was recommended as best cropping system for small and marginal farmers for maximum profitability and sustainability.





5. Key Results:

5.1 Infrastructure Development: Fully furnished well equipped office building was constructed. The rooms are connected with Internet and other basic facilities were created.



Fig. 1: Office building of IFS constructed under RKVY



Fig. 2: Soil Science laboratory developed under RKVY



5.2 Research Results: IFS model was developed for 1.0 ha which ensure regular flow of income, nutritional and livelihood security for farm family. More employment generation and reduction of risk in farming are key outcomes of this model. Diversification of cropping system based research resulted that Green Gram- Funnel + Cauliflower cropping system insure higher net return for farmers.



Fig. 3: Research conducted at IFS farm



Fig. 4: New borewell dug at IFS farm



Fig. 5: Livestock and Vermi compost unit of IFS model



Fig. 6: Nursery and Horticulture unit of IFS model

- 6. Impact:** Research results were demo crated to farmers, visitors and scientist of nation & abroad. Farming system based exposure was made to key personnel, stakeholders to enhance their skill.
- To enhance the IFS model upscalling of this model have been started through KVK's. Radio talk, Group meetings, Seminars were arranged to aware the last line personnel about integration of various farm enterprises to achieve the goal of sustainability and livelihood security.



Fig. 7: Glimpse of visitors at IFS farm i.e. Ministers, team of scientists and Farmers



Fig. 8: Radio talk by Research Scientist IFS

7. Lesson Learned:

Integration of different components of farming system in a scientific mode

8. Supporting Quotes and Images:

8.1 Supporting Quotes:

1. IFS is Live ATM
2. IFS is need of hour for sustainability and nutritional security.
3. Development of infrastructure facilities for Research base is essential.

8.2 Images: All the photographs are included in success story as and when needed. Few of them are also attached in separate folder.

9. Additional Information:

* Contact persons for this success story

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10. Check list

S. N.	Questions to consider	Yes	No
1.	Is the story interesting to the target audience of the Project/ activity report?	Yes	
2	Does the story explain what new insights the project Brings? What is the main lesson learned form this story? Does the story describe a key insight on what works and what doesn't and something that future project could build on	Yes	
3	Does the story describe the outcomes the project produced and the people who are benefitting? What changes- in skills, knowledge, attitude, practice, or policy-has the project brought and who is benefitting from these changes?	Yes	
4	Does the story make a compelling point that people will remember? Does the story show how the project makes a difference to improving livelihoods and lessening poverty?	Yes	

5	Does the story provide an interesting fact that people will remember? For example, how much yields increased, how many hectares of land could become more productive from this innovation or technology?	Yes	
6	Does the story explain what kind of impact this innovation or technology could have if scaled up?		No
7	Does the story show which partners contributed and how?		No
8	Does the story include quotes from Stakeholders or Beneficiaries?		No
9	Have I provided links to others media (journal articles, website news, newsletter, blogs, annual reports of other programme/project)that also feature this story?	Yes	
10	Have I provided the contact details of people who can provide more information?	Yes	