

**Krishi Vigyan Kendra, Fatehpur
District – Sikar (Rajasthan)**

**DATABASE FOR CONVERGENCE PILOTS UNDER NREGA
2009 – 10**

***Directorate of Extension Educaiton
Rajasthan Agricultural University, Bikaner
Zone – VI***

**Presented By: Dr. Juned
Akhter**

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA

2009 – 10

INTRDUCTION

The NREGA is a wage employment programme for providing livelihood security in the rural poor of the country. The KVK have developed appropriate technologies for such on farm and off farm activities.

The various important and identified technologies viz. construction of farm pond & threshing floor, development of waste land, plantation, farm fencing, sheep & goat rearing, community shed for cattle, agro forestry, storage godown, composting pits, weed control, major crop demonstration and skill trainings etc. will be under taken under NREGA works in the pilot district to provide employment and improved technologies for increasing the productivity & the economic status of the NREGA beneficiaries for the year 2009 – 2010

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

1. Farm Pond (Water Harvesting structure)

The annual rainfall of the district is 460 mm. The daily exploitation of under ground water for irrigation as well as domestic use is very much in comparison to recharge, which resulted in increasing of water table day by day. Therefore, water harvesting or watershed management practices are very helpful in sustainable survivability of agriculture and allied aspects of the area. Hence, the construction of farm pond to harvest the rain water through catchments area in the pond and reuse the water for irrigating crop, fruit trees etc.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

2. Farm Fencing (Protection of crops and orchards from stray animals)

In Sikar district there is severe problem of stray cattle, blue bulls, swine and dogs causes heavy losses of crop production and productivity. Therefore, it is essential to adopt the said technique to protect the crops from biotic stress, further it is also suggested that stray cattle should be caught and reared in community shed to protect the crops.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

3. Waste Land Development (Land reclamation)

Soils of this zone are alkaline generally calcareous have a huge quantity of calcium carbonate, which forms a hard pan at a shallow depth. These soil can be reclaimed by mixing of organic matter and sand itself or giving a thick layer of sand and other type of soil on it. Therefore, reclamation of alkaline and wasteland by using gypsum and turning the upper layer of soil to make it suitable for crop production. This helps also in dune minimization as well as stabilization.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

4. Plantation (Protection of crops and orchard from adverse weather conditions)

In Sikar district fluctuation of temperature ranging from – 2 to 49.6° Celsius. Adverse weather conditions include blowing of dry hot & cold winds during summer & winter, respectively, and occurrence of windstorms and frost etc. Young tender leaves and shoots are damaged by the frost. Even young plants and grown up plants die in case of severe and frequent occurrence of frost. Hence it is proposed to plantation around the boundary of fields.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

5. Threshing Floor (For quality produce)

Generally the down trodden classes like BPL/ SC/ ST have no facility of pucca threshing floor therefore, the quality of their produce is not satisfactory regarding the market price. Hence, the construction of pucca threshing floor at Farmers/ Beneficiaries/ community Site to protect the harvested crops from dust, stones, rains & winds etc.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

6. Sheep and Goat rearing:

Due to the poor economic conditions status of the down trodden classes (BPL/ SC/ ST), they are enable to purchase and maintain the improved breeds of sheep and goat resulting into low production of milk or less resale of kids. Therefore, the rearing of improved breeds of sheep and goat is the better option to increase the economic status of the farmers.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

7. Community shed for cattle

In Sikar district there is severe problem of stray cattle causes heavy losses of crop production and productivity. The problem is increasing day by day. Therefore, to minimize the losses due to them the community shed may use to rear these stray cattle and availability of dung and waste could be recycled for composting.

**Action Plan for providing technical inputs for agriculture development
through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10**

8. Agro – forestry

Tree plantation of khejri, Ardu, Kikar etc. at community site to develop microclimate & protection from hot / cold winds and for sand dune stabilization and to check the soil erosion.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

9. Storage godown for agriculture:

Construction of pucca godown at Farmers/ Beneficiaries site is required for storage of agricultural produce and inputs (Seeds, fertilizer, fodder etc.), due to no facility of pucca godown for storage of agricultural produce at the time of harvesting therefore, the quality of their produce is not satisfactory regarding the market price.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

10. Composting for improving soil health:

As the soil of our district is low in organic matter, leads to poor fertility status. Therefore, it is advised for making the good quality compost (vermicompost, NADEF, super compost) and uses it in the crop to enhance the fertility status of the soil for increasing production. Hence, it is suggested digging/ construction of compost pits for both categories individual and community land.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

11. Weed control:

Heavy infestation of weeds in the community lands resulting dispersion of weeds in farmers field. In our district, particularly some areas, these problem becoming very severe day by day. Awareness of the farmers about the losses by weeds in soil fertility, water content, environmental pollution and human health is very much important. This may be extent up to 80 % in the way of soil fertility and water content. Therefore, it is advised to eradicated weeds from community land and use for composting.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

12. Orchard units with mega nursery:

Sikar district is characterized by semi arid climatic conditions with frequent draught. Agriculture condition of the district includes limited and erratic rain fall. Horticultural crops, especially arid fruit crops like ber, aonla, beal, citrus, pomegranate, lasoda, caronda, phalsa etc.can be successfully taken in this area. Similarly, now a days farmer of sikar district showing keen interest towards the horticultural crops including vegetables and flowers cultivation are also grown in this area.

contd.....

contd.....

**Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10**

12. Orchard units with mega nursery:

The number of plants can be multiplied by the propagation techniques. By these techniques, the desired qualities of improved varieties may be transferred in to the low quality fruit crops (deshi). Therefore, establishment of mega nursery with green house is required for the development and production of good quality genetic material (seedlings & budded/ grafted plants) to fulfill the requirement of the farmers.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

13. Demonstrations:

Demonstration of the technologies tested and recommended for location specific situation to find out the potentiality and profitability of the major crops of the area and to generate the production data & feed back information.

Action Plan for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan) under NREGA
2009 – 10

14. Trainings (Skill/ vocational training):

The KVK will impart training through work experience and hence will be concerned with technical literacy, the acquisition of which does not necessarily require as a pre condition for the ability to read and write. The KVK will also impart training to only those extension workers who are already employed or to the practicing farmers.

Budget required for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan)
2009 – 10

(A) Total cost of convergence (District level)

SN	Programme name (KVK site)	Cost (in lacs)
1.	Farm pond	800.00
2.	Farm fencing	884.00
3.	Waste land development	285.00
4.	Plantation of wind break	54.00
5.	Threshing floor with tirpal	96.00
6.	Sheep and goat	1200.00
7.	Community shed for cattle	750.00

contd.....

contd.....

**Budget required for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan)
2009 – 10**

(A) Total cost of convergence (District level)

SN	Programme name (KVK site)	Cost (in lacs)
8.	Agro forestry	340.00
9.	Storage godown for agril	900.00
10.	Compost pit	80.00
11.	Eradication of weeds and disperse off	2890.00
12.	Orchard unit with drip set, vermi compost unit and bird net	600.00
13.	Technological activities	10.00
	TOTAL (A)	8889.00

Budget required for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan)
2009 – 10

(B) Total cost of convergence (KVK Site)

SN	Programme name (KVK site)	Cost (in lacs)
1.	Land reclamation	46.00
2.	Rain water harvesting structure (tanka)	10.00
3.	Tree plantation	04.00
4.	Composting unit	02.50
5.	Net fencing	13.00
6.	Shed for threshing floor	00.40
7.	Reclamation of fishery pond	05.00
8.	Mega nursery	25.00

contd.....

contd.....

**Budget required for providing technical inputs for agriculture development through KVK, Fatehpur Distt.- Sikar (Rajasthan)
2009 – 10**

(B) Total cost of convergence (KVK Site)

SN	Programme name (KVK site)	Cost (in lacs)
9.	Green house	06.50
10.	Bird net fencing	01.00
11.	Field crop demonstration	10.00
12.	Orchard demonstration with drip system	120.00
13.	Trg. of NREGA technical staff by KVK	10.00
	TOTAL (B)	253.40
	TOTAL (A)	8889.00
	GRANDTOTAL (A + B)	9142.40

Constraints For Convergence Between NREGA And SGSY And Technologies Developed By KVK, Fatehpur Distt.- Sikar (Rajasthan)

2009 – 10

Constraints

- The orientation workshop regarding NREGA project should be organized for better planning and implementation of the programme.
- The KVK is not much aware regarding the implementation and guide lines of the NREGA works
- The KVK staff (scientists/ technical) is very limited
- The involvement and role of the KVK and the budget allocation etc. in the said NREGA convergence is not clear.
- The collaboration of the line departments except the agriculture and horticulture is not very often with the KVK especially the DRDA, Animal Husbandry, Forest, Soil & Water Conservation etc.

THANKS

