

INTRODUCTION

As mentioned in Flood Blog Adopt-a-Village -1, the intent is to create a Markaz Centre village which could act as the centre for a cluster of karigar villages. These karigar villages are skilled satellite villages will be engaged in making products related to sustainable construction as well as food production, each karigar village specializing in one product.

1. What is envisaged in establishing Satellite Karigar Villages.

The Markaz as a training centre and later also as hospitality village will continue to become productive and the livelihoods for the residents is likely to be assured.

The karigar villages are being developed in order that many of the surrounding villages can benefit from the activities at the Markaz which will enable them to start their own income generating activities.

As a beginning karigar villages are being provided guidance for several enterprises. For details plz see my Pono Markaz Skilled Satellites (contd.) dated 16 September which lists several income generating activities, which lists can be expanded depending upon possibilities in a particular area.

- a. Green products: lime slaked bags, lime earth brick, earth brick
- b. Terracotta products, beginning with earth fired plates for distribution within villages as well as cups and other products.
- c. Nursery and vegetable farming
- d. Bamboo products – bamboo containers for vegetables, half scale LOG for children, instant roof and instant eco toilets etc.
- e. Matting – woven chatai for various structures
- f. Roof thatching
- g. Mother Earth products: Reetha soap, Morenga powder, tikki cowdung and sawdust.
- h. Rearing chickens for eggs
- i. Fish farming where canals or pools of water available
- j. Goat rearing
- k. Fodder for cattle – Azzolla or green fodder from corn
- l. Making miscellaneous products: home made sanitary pads, using agricultural waste for products etc.

The village will consist of average 60 households. Of course the size may vary according to location.

Accommodation and infrastructure for Markaz Centre Village?

A village of 60 households will require the following as well as meals as Maa ka Dastarkhwan for a month which will cost Rs. 300,000 and will enable villagers to complete the items that are being considered.

Phase I

1.1 Basic rights requirement: sanitation, Pakistan Chulah, Potable water

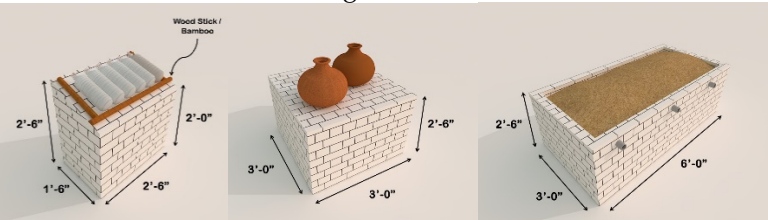
- a. 60 instant roof shelters
- b. 30 Instant Eco Toilets (sharing basis)
- c. Earthen Pakistan Chulah (stove)
- d. Water handpumps (sharing basis 1/5 households)



Instant roof	Instant Eco Toilet	Chulah	Handpump
60 Nos.	30 Nos.	60 Nos.	12 Nos.
Rs. 7,500	Rs. 5,500	Rs. 350	Rs. 20,000

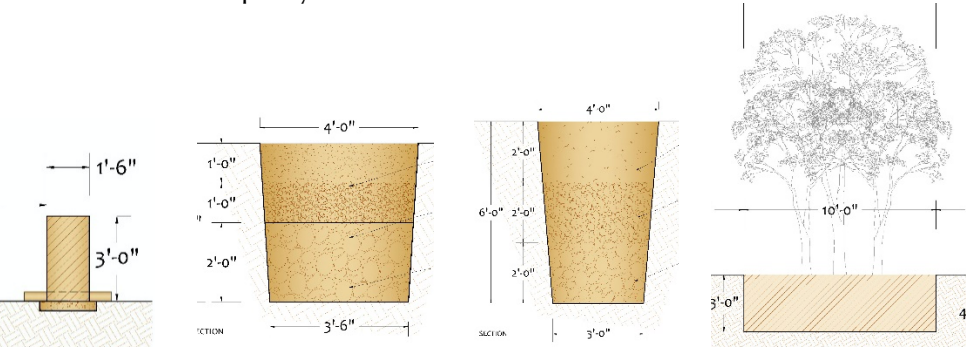
1.2 Disaster Preparedness

- a. Earthen stands 1 per household
 - For storing solar water
 - For storing food
 - For kitchen garden



Solar Water Stand	Food/Water Stand	Kitchen Garden
Rs. 500	Rs. 1,000	Rs. 1,500

- b. Protective Elements – 3’ high Earth bund walls
 - Periphery wall to prevent water penetration
- c. Protective Elements – Water Retention
 - Aquifer trenches along boundary
 - Aquifer wells along boundary and in village
- d. Periphery Elements – Community forests
 - Periphery native tree forests





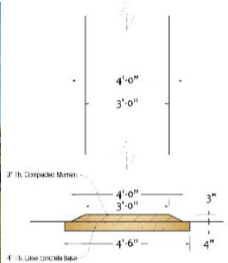

Periphery Wall	Aquifer Trench	Aquifer Well	Community Forest
Rs. 100 /rft	Rs. 300 /rft	Rs. 1,500	Rs. 10,000

1.3 Environmental Improvement

- a. Household trees
 - Saplings for planting 2 trees/household neem tree and lemon
- b. Pathways
 - 3’ pathways for village household access

1.4 Children’s accommodation

- a. 6 nos. Half scale LOG reading/play rooms for children

			
Neem Tree	Lemon Tree	Pathways	Half LOG
Rs. 100	Rs. 100	Rs. 100 /rft	Rs. 10,000

PHASE II

2.1 Improved Shelter

- a. 60 emergency LOG shelter
- b. 20 emergency eco toilets



Emergency LOG	Emergency Toilet
60 Nos.	20 Nos.
Rs. 25,000	Rs. 15,000

2.2 Community gathering

- a. Women’s Centre
 - Structure
 - Monitor/computer
- b. Training provided by Pono Markaz (by aritsans)
 - Emergency LOG fabrication
 - Mud/lime brick making
 - Compost making for solid waste from eco toilets



Emergency LOG	Mud/lime brick	Composting bins
Rs. 25,000	Rs. 3 per brick	Rs. 5,000

2.3 Infrastructure

- a. Solar Panels for village
- b. 2 Cellphones: 1 for women’s committee, 1 for coordinator



Solar Panels	Cellphones
Rs. 8,000	2 Nos.
	Rs. 15,000