

## **INTRODUCTION**

**Name of CO:**

**Basti Soya Faragh**

**Type of Sub Project:**

**Water Supply for Drinking**

**Location:**

**Mouza Soya Faragh, U/C Tuman Qaisrani,**

**Tehsil Tribal Area, Distt. DG Khan**

**Population Being Benefited: 1500-2000**





The only Drinking Source in the area for humans & Animals

### **NEED IDENTIFICATION:**

The CO is situated in Mouza Soya Faragh, U/C Tuman Qaisrani. There is no proper drinking water supply scheme in the area even to the level of hand pump. People are fetching water from a well which is 1.5 KM away from their village. People of the area facing acute shortage of water. They have identified a need of water supply for drinking purpose with 02 numbers of water tanks of 1000 Gallons each. With the provision of this sub project CO will able to get clean drinking water.

They requested to give them financial and technical assistance for the Bore, Solar Submersible Pump, and two water tanks of 1000 Gallons each for drinking purpose and requisite length 3500 RFT of GI Pipe.



**SOCIAL APPRAISAL:**

During Social survey, the identified need of the members of Community Organization was found genuine. They will execute their water supply for drinking collectively. This facility will improve their living standard. All the Community Members were willing to cooperate for this joint venture, with regard to their labour and financial share. Selection of site for installation water supply scheme was decided mutually by the CO.



## **TECHNICAL APPRAISAL**

The sub project is feasible and located On approachable place for all community members as well as for the nearby villages. The desire quality and quantity of water is available for the sub project and water report from Hydro Ervo Consultant Pvt. Ltd. Is awaited . Items involved in the designing.

1. Bore for Tube well = 150 Ft , 10"dia
2. Water Level = 95 Ft
3. Room for system = 10' x 10' x 10'
4. solar pump = 1 No each
5. Water Tank 1000 Gallons= 2 Units
6. Khada = 4' x 4' x 4'
7. Fanced area for solar panel = 25'x15'
8. Fence height = 6' barbed wire
9. Sand contents in water = 2%



**Water Level in the area**

## **SELECTION CRITERIA OF THE SUB PROJECT AS PER PC-1**

According to the Selection Criteria of the sub project under community development component maintained in PC-1, CO qualifies meeting all the criterion of beneficiaries, poverty line, willingness to contribute material share and all labour, O&M and sub project cost.

### **Economic Viability**

The sub project is economically viable due to following reasons:

1. Social life of the beneficiaries is about 1500-2000 persons of the community will be improved through provision of this facility.
2. With the provision of this facility, poor people will get the clean water for drinking
3. Sense of ownership among members of community organization will be generated to implement their schemes through participatory approach.
4. Health of community will be enhanced due to pure and clean drinking water
5. Fertility level of community land will be improved with the provision of irrigation water

Keeping in consideration the working paper and cost estimated, approval committee may please accord the approval to this sub project.

6. Awareness about Renewable Energy will increase among masses

1	No of Users	1100
2	Water need for per person/day	50 Liter
3	Total Requirement /day	55000 Liter/day

## Pump Selection

1	Model	4TSC-8-40-110-1000
2	Production of water average/day	21000 Liters
3	25% raised production by manual sun tracker	26250 liters per day
4	No. of pumps 2nos.	52500 liters per day Which is very close to our requirement

1	Boring	10”dia
2	Depth	150ft/70ft deep than water level
3	Sand content in water Max	2% bearable
4	Pump room size	10’x10’x10’ height
5	Fenced Area	25’x15’x6’ Height

### Technical proposal

1	Pump set required	Rs.5,80,000/-
2	Manual Tracking set	Rs.35000/-
3	Wiring cabling	Rs.20,000/-
4	GI 1-1/2 pipe 150ft*150	Rs.22,500/-
5	Steel wire	Rs.1000/-
6	Concrete work 25cft	Rs.2500
7	Transportation	Rs.25,000/-
8	Traveling, boarding, loading	Rs.20,000/-
9	Installation	Rs.35,000/-
10	Total for one set	Rs.7,41,000/-
11	Total cost for 2sets	Rs.14,82,000/-

### Financial Proposal