

# **PROJECT PROPOSAL: REQUEST FOR FUNDING FIFTY (50) SHALLOW WELLS IN 1995**

## **SIMAVI/SASOL SHALLOW WELLS PROGRAMME - KITUI**

### **COMPLETED PHASE**

In 1992 SASOL Foundation made a proposal to SIMAVI for the funding of 320 wells in schools in Kitui District. 120 school sites were surveyed for SIMAVI by Groundwater Survey Kenya. Of this surveyed, 50 have been constructed. The first part covering 25 wells, your Ref.64/93/cb, was duly completed and reported through Ground Water Survey Kenya Report No. 93/43 dated September 1993 which covered the initial twenty five wells. A second report covering the next 25 wells was submitted by the same company in November 1994.

We at SASOL are grateful to SIMAVI for enabling us to perform a function of such great communal importance. Although 1994 has been an extremely dry year in Kitui, the communities which had completed their wells in 1993, had a ready supply of water within reach throughout the dry spell. One only has to imagine the drudgery, misery spared these communities and the time saved to begin to understand the effect of these wells on the community. The time saved could be used for preparation for gardens for early planting leading to higher food production by taking advantage of the early rains for example. Many indirect advantages like this will permeate the communities and their contribution which is difficult to assess has a synergistic effect on community development.

To demonstrate the impact, let us look at two cases which are repeated throughout the project. One is Isaangwa Primary School well. Before the construction of this well, the community used to get their water from Kalundu River which is highly contaminated by sewage from Kitui Town. It is the source of the endemic bilharzia and amoebiasis in the area. Also Kalundu is 5km away from the community. This well has been used by the school and its community without fail throughout the last drought. Two, Yumbisye Secondary School. This well is used solely by the school. Before it was constructed, the school employed two full time staff whose duty was to fetch water for the students from River Nzeeu. This burden, plus the attendant expense and health risks have been removed by the construction of the shallow well at the school.

However, with the completion of this first project of the Programme, only 15% of the originally proposed 320 wells in Central and Kwavonza Divisions

of Kitui District have been reached. It was albeit important to start in a small way in order to understand and appreciate fully the communities we serve, their willingness and participation in communal development.

Now we have reached the point where we can move forward more confidently, not taking tentative steps into the unknown. With your cooperation, the experience we have garnered, goodwill we have earned and the enthusiasm of the communities to work towards solving water problems as demonstrated at sites developed so far; the goal of 320 water-points is realisable.

## **FUTURE PROJECT**

The ongoing project has taken two years to complete. This was because SASOL had no infrastructure on the ground in the beginning. All contacts had to be established afresh. Presently, many communities are aware of SASOL and the Programme. It will therefore, be easier in the future to work with these communities.

It is our expectation to do a compliment of 50 wells in 1995 as the next project of the ongoing Programme. These will be split up as follows: 20 wells January - April 1995

30 wells July - October 1995.

The funding can be split in two or three instalments as in the previous project.

## **LOCATION OF PROJECT**

The following schools in Kyangwithya, Mulango, Kisasi/Mbitini and Nzambani Locations of Central Division in Kitui District are targeted for Shallow Well development project in 1995.

### **Mulango Location**

1. Ivuku Primary School
2. Kangalu Primary School
3. Katulani Primary School
4. Kaaumba Primary School
5. Kisyoka Primary School
6. Kitundu Primary School
7. Kwa Mukasa Primary School
8. Masoka Primary School
9. Malungu Primary School
10. Kalala Primary School

11. Kavisuni Primary School
12. Kakumini Primary School
13. Maamani Primary School
14. Kisekini Primary School
15. Mulango Polytechnic
16. Ndetani Primary School
17. Nzukini Primary School
18. Yakalia Primary School
19. Wikililye Secondary School
20. Mulango High School.

### **Kyangwithya Location**

1. Kyalalini Primary School
2. Kaliakakya Primary School
3. Katyethoka Primary School
4. Kwa-Ikolania Primary School
5. Kwangindu Primary School
6. Mulutu Primary School
7. Mulutu Secondary School
8. Ngiini Primary School
9. Nduumoni Primary School
10. St. Angelas Secondary School
11. Kaveta Primary School
12. Kwa-Kunuvwa Primary School
13. Ngoleni Primary School
14. Kalawa Primary School

### **Kisasi/Mbitini Location**

1. Kanzauwu Primary School
2. Mbitini Primary School
3. Musa Secondary School
4. Musa Primary School
5. Nguuni Primary School
6. Kisasi Boys Secondary School
7. Katangasua Primary School
8. Ngangani Primary School
9. Kavasya Primary School
10. Isovia Primary School

### **Nzambani Location**

1. Syombuku Primary School
2. Kilonzo Primary School
3. Kilonzo Secondary School
4. Kaangweni Primary School
5. Kavalula Primary School
6. Kyuluni Girls Secondary School
7. Utwiini Primary School
8. Kavumbuni Primary School
9. Moi Primary School
10. Kyalele Primary School
11. Ithumula Primary School
12. Ngengi Primary School

## BUDGET

(Average Depth of Well 12m)

<b>EXPENDITURE</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>TOTAL</b>
<b>Direct Costs</b>				
Community Organisation	Community	50	4,000	200,000
Site Location	Site	50	17,690	884,500
<b>Material</b>				
Cement	Bag	1,750	500	875,000
GI Wire	Kg	1,000	120	120,000
Iron Round Bar	Length	125	450	56,250
Barbed Wire	Roll	50	2,000	100,000
Sand	Load	200	800	160,000
Gravel	Load	100	900	90,000
<b>Construction</b>				
Well Ring	Ring	50	2,500	125,000
Transport	Km.	10,000	15	150,000
Salary Masons	Month	50	3,600	180,000
Manual Labour	Man/Day	5,000	60	300,000
<b>Sub Total</b>				<b>3,240,750</b>
<b>Indirect (Overhead) Costs</b>				
Office Kitui			372,000	
Office Nairobi				120,000
Construction - Field Supervision	50	3,250	162,500	
Evaluation			175,000	
<b>Sub Total</b>				<b>829,500</b>
<b>TOTAL COST</b>	<b>Ksh.</b>			<b>4,070,250</b>
	<b>Dfl. (@ 1 Dfl. = 25.00 Ksh)</b>			<b>162,810</b>

## WELL CONSTRUCTION COSTS 1994. (25 WELLS)

### EXPENDITURE

ACCOUNT NO.	DESCRIPTION	AMOUNT (KSH)
1. 400-595-50	Survey, Location and Preparation	442,300
2. 400-110-50	Materials	
	44 Tons Cement	404,800
	500 Kg. GI Wire	60,000
	63 Lengths (10mm) Iron Round Bar	28,980
	25 Rolls Barbed Wire	50,000
	100 Loads Sand @ Ksh. 800 each	80,000
	50 Loads Gravel @ Ksh. 900 each	45,000
3. 400-210-50	Transport	75,000
4. 400-110-50	Well Ring Construction	62,500
5. 400-030-50	Personnel	
	Mason-Well Technicians	82,500
	Labour 100man-days @Ksh 60day x 25	150,000
6. 400-020-50	Overhead	
	Well Supervision	81,250
	Kitui Office	282,000
	Nairobi Office	100,000
<b>Sub Total</b>		<b>1,944,330</b>
7. 400-595-50	Community Contribution Labour, Water, Land, Sinking Well Shaft	400,000

### TOTAL EXPENDITURE 2,344,330

### RECEIPTS

- SIMAVI
  - DFI 27,966 @ Ksh. 35.29 08/12/93987,000
  - DFI 27,966 @ Ksh. 26.10 30/09/94730,038

1,717,038

2. COMMUNITY CONTRIBUTION 400,000

3. SASOL 227,292

SUMMARY CONTRIBUTIONS

SIMAVI CONTRIBUTION 73%

COMMUNITY CONTRIBUTION 17%

SASOL CONTRIBUTION 10%