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WDS:RD:G8:SAKTI

8th October 1992

Mr.P.R.Michael
South India Representative
W A T E R A I D
19, 5th Cross
Ponnagar
TIRUCHIRAPALLI - 620 001

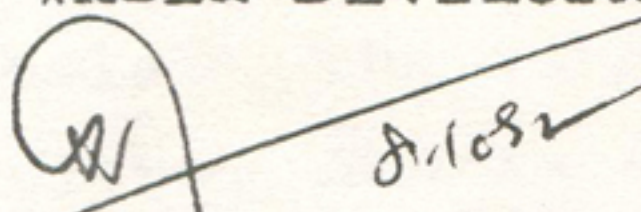
Dear Mr.Michael,

Please find enclosed herewith the Technical Report of SAKTI/Rampachodavaram in duplicate. The infrastructure available with this organisation is sufficient to execute the project.

Kindly do the needful.

Thanking you,

Yours faithfully,
for WATER DEVELOPMENT SOCIETY


C. SRINIVASA RAO
Deputy Director-WAMERTI
In-Charge-Rural Development

c.c: Mr.P.Sivarama Krishna, Director
S A K T I
Rampachodavaram - 533 288
East Godavari Dist., A.P., India.

Technical Report on the Funding Request of SAKTI to WATER AID

- Project : S A K T I
Rampachodavaram - 533 288
East Godavari District
Andhra Pradesh, India.
- Project Holder : Mr.P.Sivarama Krishna, Director
Mrs.P.Sarada Devi, Co-ordinator
- Technical Report : Water Development Society
C-2 and C-5 Industrial Estate
Moula Ali
HYDERABAD - 500 040
Andhra Pradesh, India.
- Technical Team : Mr.C.Srinivasa Rao, M.Sc. Tech.
Deputy Director/WAMERTI
Mr.C.Krishna Murthy, Civil Supervisor
- Date of visit : 26 - 28th September 1992.

Introduction:

SAKTI is an organisation for the development of Tribals living in East Godavari district. Established in 1985 its activities are spread over 60 villages. Collection of Minor Forest Produce and shifting cultivation are the main occupation of the Tribals. The fertile land in this area is in the hands of non-tribals. The target group suffer from Tuberculosis, Malaria, Goitre, Anaemia and malnutrition.

Mr.P.Sivarama Krishna, the founder of the organisation had worked in this area as a teacher and submitted his doctorate thesis on Tribal Folklore.

Activities of SAKTI:

SAKTI provides legal aid and assistance to tribals; provides training in skills for economic independence; provides health care services and works towards restoration of tribal lands; agitates against deforestation and works towards environmental issues; organises grain banks and thrift in the villages; networks Tribal women living in other districts.

SAKTI draws its inspiration from the committed leadership of the husband and wife team in Sivarama Krishna and Sarada Devi. There are Mandal level organisers who bring the issues in day to day life of the Tribals to the knowledge of SAKTI to work out proper solution. Oxfam provides funds for the educational and legal projects.

The Present Project:

The area is geologically ancient and the laterite capping on the rocks is either ferruginous or bauxitic. The steep hills and the thick vegetation helped by good rains are ideal location for the Tribals to live according to their customs and rituals. The seasonal streams and occasional springs supply water for their needs. When the streams dry up in summer the springs are still active and meet the drinking water needs of the people.

Borewells are drilled in many villages, but people do not use this water for drinking as the water contain soluble Iron, which on exposure make the water coloured and soils the clothes.

The springs have to be protected from pollution either by the users ^{and} or from the flood waters during rainy season. Most of the springs are located at the level of the stream bed.

Tribals^{have} settled near the perennial springs occurring at the foot of the hills. The springs need protection by constructing spring boxes to keep the water clean. Tribals can be trained in constructing these spring boxes.

Iron removal plants can be attached to all drinking water borewells to supply Iron free drinking water.

A list of the villages is enclosed, giving details of the drinking water sources. 70% of the springs have been visited by the scientist to examine the structural or stratigraphic control of the springs. To start with 25 springs can be protected and their behaviour studied. Iron removal plants can be attached to 12 borewells where people have totally rejected the use of the water. ^{Two} One openwell^s at Pullangi^{at Utthluru} can be desilted, walls steined and a ferro cement top laid at the top.

The budget is prepared as per the needs of the people.

Work to be done:

1. 25 springs to be protected by constructing cement ^{Concrete} ~~control~~ Structures.
2. Iron removal plants at the following villages;
 - ✓ a) Kooduru
 - ✓ b) Pamuleru
 - c) Kundhode
 - d) Egavalasa
 - ✓ e) Busigudem
 - f) Kodavatilanka
3. Rejuvenation of openwells at the following villages;
 - a) Pullangi
 - b) Utthluru

Village	Population	No. of water sources	Distance	Remarks
1	2	3	4	5
01 Gudise	54	1 Hill stream	1 Km	
02 Pamulamamidi	157	1 "	1/2 Km	
03 Gumpenagandi	88	1 "	1 Km	
04 Peadamarri	59	1 "	1/2 km	
05 Ekavalasa	98	2 "	"	
06 Poosivada	152	1 "	"	
07 Adhharavalasa	153	2 Well, Borewell	"	
08 Pullangi	175	2 " "	"	
09 Eegavalasa	56	2 Hill stream, borewell	"	
10 Ganrallu	54	1 "	"	
11 Bandha	134	1 "	1 km	spring
12 Chekkawada	435	1 "	"	
13 Chavadikota	362	1 "	"	
14 Bodlanka	278	2 " , borewell	1/2 km	
15 Aakumamidikota	91	1 - "	"	
16 Muchirivada	69	1 "	"	
17 Okkuluru	165	2 "	"	
18 Tenukuruvalasa	138	2 "	"	
19 Kebbalawada	58	2 "	"	
20 Potlawada	88	2 "	"	
21 Chatlawada	336	2 "	"	
22 Nukaletivada	32	1 "	"	Adj. to stream Stream Spring
23 Kondawada	19	1 "	"	Spring
24 Goguvalasa	12	1 "	"	Spring Adj. to Stream
25 Bodhuluru	318	2 "	"	
26 Kakooru	319	2 "	"	
27 Arjunalova	95	2 "	"	Open Spring
28 Bhimavaram	196	1 "	"	Spring Adj. to Stream
29 Ivvampalli	52	1 "	"	
30 Vetukuru	533	2 "	"	
a) Chelakapakala	70			Spring
31 Pujaripalli	92	2 "	"	"
32 Kooduru	201	2 "	"	"
33 Pandhirimamidi	179	2 "	"	"

1	2	3	4	5
34 Kutrawada	255	3 Hillstream, borewell	1/2km	
35 Pamuleru	135	1 "	"	
36 Uththaluru	51	1 "	"	
37 Malamuru	66	1 "	"	
38 Nelluru	43	1 "	"	Spring
39 Gondhiwada	122	1 "	"	"
40 Ijjaluru	31	1 "	"	"
41 Kakaralova	46	1 "	"	"
42 Madduluru	68	1 "	"	"
43 Gujjumamidivalasa	315	2 "	"	"
44 Kundheda	349	2 "	"	"
45 Musuru	131	1 "	"	"
46 P.Madhuluru	123	1 "	"	"
47 Maredumilli	2842	4 "	3	"
48 Maddiveedu	123	1 "	"	"
49 Tadepalli	1341	3 "	2	"
50 Puttugodilanka	203	1 "	"	"
51 Waidapudi	250	1 "	"	"
52 Dharawada	253	1 "	"	"
53 Dhorachintalapalem	138	1 Tank	"	"
54 Sripuram	324	2 Hill spring, borewell	"	"
55 Narsapuram	336	1 "	"	"
56 Pedduru	184	1 "	"	"
57 D.Velamalakota	397	2 "	Well	"
58 Gorramamidi	352	2 "	Borewell	"
59 Dhendhuluru	345	2 "	"	"
60 Mallavaram	239	1 "	"	Spring
61 Dhoramamidi	138	1 "	"	"
62 Narupudi	138	2 "	"	1 km
63 Dhevarapalli	299	3 "	"	, Well 1/2 km
64 Sunnampudi	405	2 "	Borewell	"
65 Pedamallu	226	1 "	"	"

1	2	3	4	5
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66	Munjumamidi	89	1	Hill stream	γ 2km	Spring	
67	Yerramamidi	48	2	"	Borewell	1 km	
68	Kadamuru	219	2	"	"	γ 2km	
69	Thuramamidi	225	2	"	"	"	
70	Thurruru	120	2	"	well	"	Spring
71	Ramanaavalalea	161	1	"	"	"	"
72	Rampachodaveram	10000	20	Borewells, public taps	1 km	"	"
73	Mulakalagudem	300	1	Hill stream	"	"	"
74	Vathangi	2000	1	"	"	"	"
75	Banda	500					

B U D G E T

S.No	Particulars	Total cost (Rs.)	Local con- tribution (Rs.) (in terms of lakhs)	WATER Al grant (Rs.)
1	Construction of spring boxes 25 springs x @Rs.12,000/- per unit	3,00,000-00	25,000-00	2,75,000
2.	Construction of Iron removal plants	90,000-00	6,000-00	84,000
3	12 borewells x @Rs.7,500/-	22,000.00		28,000
3.	Rejuvenation of openwell desilting, steining the walls and ferro cement top 2 wells x @Rs.14,000/-	28,000-00	4,000-00	24,000.
4.	Training of youth in construction of spring boxes (TRYDEM) 30 villages x @Rs.1,000/-	30,000-00	3,000-00	27,000-
5.	Training of handpump mechanics/caretakers 30 villages x @Rs.250/- x one volunteer	7,500-00	-	7,500-
6.	Admin. cost including audit fee, postage, travel etc.	10,000-00	-	10,000-
7.	Unforeseen expenditure			6,500-
				----- 4,34,000-
<u>Capital Expenditure</u>				
One tool kit for repairing handpumps				6,000.0

Total				4,40,000.00

(Rupees Four lakhs and forty thousand only)

Goutam Bhand