

Balochistan

Strategic Provincial Investment Plan
and Project Preparation for
Rural Water Supply,
Sanitation and Health.

8 2 2

P K B A 8 9 (II)

Final Strategic Investment Plan

VOL. II (Appendices)

UNEP
PROVINCIAL REFERENCE CENTRE
FOR COMMUNITY WATER SUPPLY AND
SANITATION (PKC)

September, 1989

Wardrop - Acres
Cowater International
NESPAK.

822-PKBA89_(II) - 6012

Balochistan

Strategic Provincial Investment Plan
and Project Preparation for
Rural Water Supply,
Sanitation and Health.

LIBRARY, INTERNATIONAL REFERENCE
CENTRE FOR COMMUNITY WATER SUPPLY
AND SANITATION (COWATER)
P.O. Box 53100, 2500 AD The Hague
Tel. (070) 814311 ext. 141/142
RN: 6012
LO: 822 PKBA(II)

Final Strategic Investment Plan

VOL. II (Appendices)

LIBRARY, INTERNATIONAL REFERENCE
CENTRE FOR COMMUNITY WATER SUPPLY
AND SANITATION (COWATER)
P.O. Box 53100, 2500 AD The Hague
Tel. (070) 814311 ext. 141/142
RN:
LO:

September, 1989

Wardrop - Acres
Cowater International
NESPAK.

Appendix A.

Local Government

Table A.1	Local Councils, WARDS, Settlements, Population and Projected Population
Table A.2	ADP of Rural Development for 1988-89 by District and by Union Council
Table A-3	Taxes to be Levied by Local Councils
Table A-4	Major Sources of Revenue of Local Councils

LOCAL GOVERNMENT AND RURAL DEVELOPMENT DEPARTMENT

Local Councils, Wards, Settlements,
Population and Projected Population

District	Area SQ.KM	No. of Union Councils	No. of Wards (1987)	No. of Settle- ments	1981 Rural Population (million)	Annual Rural Growth Rate	Projected Rura Population (million)			
							1988	1993	1998	
1	Quetta	2653	8	76	60	0.096	-1.6%	0.086	0.079	0.073
2	Pishin	11112	31	284	334	0.334	3.2%	0.416	0.487	0.571
3	Chagai	50545	12	94	105	0.109	3.3%	0.137	0.161	0.189
4	Loralai	19071	35	303	519	0.369	3.3%	0.463	0.545	0.641
5	Zhob	16520	17	160	284	0.191	3.3%	0.240	0.282	0.332
6	Q.Saifullah	10609	11	112	202	0.138	3.3%	0.173	0.204	0.240
7	Sibi	9005	11	76	90	0.071	3.0%	0.087	0.101	0.117
8	Ziarat	280	4	32	48	0.032	3.0%	0.039	0.046	0.053
9	Kohlu Agncy	17770	9	64	163	0.071	3.4%	0.090	0.106	0.125
10	Dera Bugti	11100	10	82	278	0.104	3.4%	0.131	0.155	0.184
11	Jafarabad	3100	25	215	214	0.151	3.3%	0.190	0.223	0.262
12	Tambooo	2732	12	99	129	0.215	3.3%	0.270	0.317	0.373
13	Kachhi	11114	28	237	451	0.282	3.3%	0.354	0.416	0.490
14	Kalat	12517	19	233	796	0.314	3.3%	0.394	0.464	0.545
15	Khuzdar	64891	22	268	951	0.356	3.3%	0.447	0.526	0.618
16	Kharan	48051	10	97	305	0.118	3.3%	0.148	0.174	0.205
17	Lasbella	12574	13	115	237	0.157	3.1%	0.194	0.226	0.264
18	Turbat	22539	21	248	411	0.327	3.2%	0.408	0.477	0.559
19	Gwadar	15216	6	58	103	0.069	2.5%	0.082	0.093	0.105
20	Panjgur	16891	11	114	202	0.151	3.3%	0.190	0.223	0.262
1)	Total Rural Councils	358290	315	2967	5882	3.655	3.1%	4.539	5.305	6.208
	a. Union Councils									
	b. District Councils		20	315						
2)	Urban Councils									
	a. Municipal Corporation Qta.		1	48	1	0.245				
	b. Municipal Committee		10	190	10					
	c. Town Committee		20	144	20	0.390				
	d. Cantt, Board Qta.		1	3		0.041				
	Total		367	3667	5913	4.331				

Appendix-A
Table A-2

ADP OF RURAL DEVELOPMENT FOR 1988/89 - LGRDD
(Rupees)

2 Pages

District	Local Council	No. of Schemes	Allocation	Expenditure on Water Supply		Expenditure on Health & Hygiene		Expenditure on Sanitation		Expenditure on Irrigation		Total Expenditure	Remarks
				No.	Funds	No.	Funds	No.	Funds	No.	Funds		
Quetta	Dist. Council	11	953050	2	162961	-	-	1	50000	1	78427	291388	
	Union Council	84	1048250	16	136700	-	-	2	137600	15	179350	453650	
Pishin	Dist. Council	36	1764500	11	550000	-	-	-	-	-	-	550000	Sector Allocation
	Union Council	-	1940950	-	-	-	-	-	-	-	-	-	not available
Chagai	Dist. Council	17	1001400	1	20000	-	-	-	-	2	14400	34400	
	Union Council	38	1107550	13	98600	-	-	-	-	6	186900	285500	
Loralai	Dist. Council	28	1995550	1	50000	-	-	-	-	22	1448550	1498550	
	Union Council	118	2700550	21	362200	-	-	-	-	22	262890	625090	
Zhob	Dist. Council	19	1332900	-	-	-	-	-	-	5	340000	340000	
	Union Council	17	1466200	1	66200	-	-	-	-	3	243200	309400	
Q. Saifullah	Dist. Council	15	1046250	-	-	-	-	-	-	6	386500	386500	
	Union Council	-	1150900	-	-	-	-	-	-	-	-	-	Sector Allocation not available
Sibi	Dist. Council	17	866700	-	-	-	-	-	-	-	472400	472400	
	Union Council	79	953350	2	59900	-	-	-	-	46	-	59900	
Dera Bugti	Dist. Council	17	973750	1	160000	-	-	1	150000	8	400000	710000	
	Union Council	96	1071100	13	85700	-	-	5	20000	85	965400	1071100	
Kohlu	Dist. Council	13	863250	-	-	-	-	-	-	13	842400	842400	
	Union Council	54	949600	23	455150	-	-	-	-	-	-	455150	
Ziarat	Dist. Council	11	732050	1	32942	-	-	-	-	5	395304	428246	Sector Allocation
	Union Council	65	805250	-	-	-	-	-	-	-	-	-	not available
Jaffarabad	Dist. Council	-	1471000	-	-	-	-	-	-	-	-	-	ADP of District
	Union Council	81	1618100	23	343792	1	40000	1	12350	-	-	396142	Council not yet approved

Appendix-A
Table A-2

ADP OF RURAL DEVELOPMENT FOR 1988/89 - LGRDD
(Rupees)

2 Pages

District	Local Council	No. of Schemes	Allocation	Expenditure on		Expenditure on		Expenditure on		Expenditure on		Total Expenditure	Remarks
				Water Supply	No.	Funds	Health & Hygiene	No.	Funds	Sanitation	No.		
Tamboo	Dist. Council	-	1039350	-	-	-	-	-	-	-	-	-	
	Union Council	38	1143300	7	177100	-	-	1	21500	3	63000	261600	
Kachhi	Dist. Council	-	1609100	-	-	-	-	-	-	-	-	-	
	Union Council	134	1770000	48	469400	-	-	1	22600	57	754100	1246100	
Kalat	Dist. Council	25	1654000	-	-	-	-	1	50000	10	540000	590000	
	Union Council	142	1819400	-	-	-	-	-	-	98	1040900	1040900	
Khuzdar	Dist. Council	31	1799050	6	287000	-	-	1	100000	4	200000	587000	
	Union Council	185	1978950	38	343830	5	9810	-	-	-	-	353640	
Kharan	Dist. Council	20	1035900	28	319400	-	-	-	-	80	1692100	2011500	Sector Allocation not available
	Union Council	90	1137500	-	-	-	-	-	-	-	-	-	
Lasbella	Dist. Council	16	1180750	1	50000	-	-	-	-	4	205250	255250	
	Union Council	100	1299000	61	680300	-	-	-	-	6	60600	740900	
Turbat	Dist. Council	30	1750700	2	110000	-	-	-	-	8	415550	525550	
	Union Council	151	1925750	7	88500	2	43500	-	-	52	545100	677100	
Gwadar	Dist. Council	12	870150	5	250000	-	-	-	-	-	-	250000	
	Union Council	39	957150	16	370000	-	-	-	-	-	-	370000	
Punjgoor	Dist. Council	15	1146400	2	178200	1	81900	-	-	4	334100	594200	
	Union Council	138	1261150	29	202500	3	29000	-	-	21	251250	482750	
		1982	52500000	379	6110375	12	204210	14	564050	586	12317671	19196306	

TAXES TO BE LEVIED BY LOCAL COUNCILS.

Union Councils

1. Tax on import of goods and animals for Consumption or sale.
2. Tax on sale of animals.
3. Tax for the construction or maintenance of a work of public utility.
4. Hearth Tax.
5. Fee on slaughter of animals.
6. Fee for Registration of births of children.
7. Fee for registration of marriages.
8. Fee for erection and re-erection of buildings.
9. Fee for licences, sanction, and permits.
10. Fee for specific services.
11. Rate for remuneration of village watchman.

District Councils

12. Tax on transfer of immoveable property .
13. Tax on export of goods and animals from the District.
14. Fee for licenses, sanction and permissions.
15. Fee at fairs, agriculture shows and Industrial Exhibitions.
16. Market fee for the markets maintained by District Councils.
17. Rate on services bill water supply, drainage, street lights provided by the District Councils.
18. Toll on roads and bridges maintained by the District Councils.
19. Surcharge on any of the Taxes levied by Government.

Source: Local Government Ordinance.

Appendix A
Table A-4

MAJOR SOURCES OF REVENUE OF LOCAL
COUNCILS IN BALOCHISTAN
(Rs. in 000)

Sources	District Councils		Union Councils	
	Amount	Percent	Amount	Percent
Octroi	1180	4.2	1180	19.0
Export Tax	1600	5.7	-	-
Property & Land Tax	390	1.4	-	-
Tax on Transfer of Property	1150	4.1	-	-
Toll Tax	220	0.8	-	-
Entertainment Tax	1250	4.5	-	-
Other Taxes	1400	5.0	-	-
Licences and Fees	960	3.5	110	1.8
Remunerative Project Development Grants	560	2.0	-	-
General Purpose Grants	330	1.2	270	4.3
All other Grants	470	1.7	1390	22.4
Special Purpose Grants	6400	23.0	270	4.3
Others	190	0.7	370	6.0
	11770	42.2	2620	42.2
Total	27870	100.0	6210	100.0

Source: LGRDD (1985/86)

Appendix B.

Hygiene Experience

Appendix B.

HYGIENE EXPERIENCE

The Department of Health, Baluchistan has only 4 health education officers in the Province with one in Quetta. Health education officers are assigned tasks which are not related to health education. Health Education Officer in Quetta is supervising CDD but doing no health education. Materials from National Institute of Health are not distributed. Health education officers have no job descriptions in this Province, no audio-visual facilities, artist or transport.

BIAD has 12 mobile teams each consisting of a Community Development Officer, two female para-medics -- Lady Health Visitor (LHV) and Medical Technician (MT) -- responsible for community health promotion, one sanitarian and one lady teacher. Health and hygiene promotion are a major component of the team's work, delivered one-on-one to mothers by the female team members. One concrete result has been the reported construction of 1886 latrines, covering about 38% of families in the project areas.

UNICEF has spent some of its resources on developing a series of health educational materials: pinch and scoop, sugar salt mixture, and BCG vaccination have been produced. Others under development include hygiene, including hand washing correct latrine utilization, nutrition, including breast-feeding; and TT vaccinations. None of their visuals include any words and minimal use of tribal characteristics to permit as wide a use as possible. Each of these materials have taken a year or so to produce, reflecting the time consuming cycle of design, test and revision.

As in other provinces, Baluchistan uses its vaccinators to promote Oral Rehydration Solution (ORS). Reflecting the scattered population of the province, it has the lowest immunization rate and ORS usage rate for diarrhoeal cases of any province.

The Malaria Control Programme is organised in a two week crash "Spray Programme" to cover all houses in each target area. One team includes 5 to 6 people, mainly spray labourers, and a supervisor who visits house to house motivating families and educating them with the help of posters and explaining the linkages between drainage and malaria. Teams include only male workers but do not seem to face much problem contacting rural women as the programme is one of the oldest and has worked in the same areas for more than two decades. The District Health Education Officer is responsible for these teams and monitors them. The Chief of this programme would agree to integrate education on other water related diseases (e.g. diarrhoea prevention through hygiene education) in this programme. The Malaria Control programme appears to be useful at least for hygiene education for rural male population. Malaria Control Programme workers may also be useful in dissemination hygiene education among school children, youth groups etc.

The Population Welfare Cell, Baluchistan has 53 Family Welfare Centres (7 urban + 46 rural). In theory, each FWC has one LHV, 1 Female Health Worker (FHW) and one male worker who are also responsible for population control, motivation and education among rural population. In reality, most of the LHV posts are vacant. Although PWC, with the help of UNICEF and CIDA (a federal Government project), trained 250 LHVs for the province, it is understood that most did not stay and returned to their home province. Those who stay do not leave Quetta

and avoid the rural centres. There is no integration between FWCs and other Health programmes. However, PWC does collaborate with various NGOs interested in population control and other development activities, by offering FWCs and their staff. The 46 rural FWCs could be used for organizing training activities for rural health workers, or organizing hygiene education for rural women who come to these centres. FHWs of the Family Welfare Centres may be more useful as Master trainers to train TBAs or other community health workers than LHVs.

Within the Expanded Programme on Immunization (EPI) a new Provincial WHO Representative has organized training courses for medical officers and Para-medical staff in all but 3 districts. For this training, new manuals in urdu have been used, however, the importance of face to face communications still appears to be under-stressed.

The AICF (L'Action Internationale Contre la Faim) Afghan Refugee Health Programme has organized TBA training in camps. They were trained by 1 Pakistani LHV, 2 Afghan educated women from the camps and 1 Afghan nurse. Training was for 2 to 3 months. Only those TBAs were selected who were well recognized by the community and who were actively practising. After training, each TBA was responsible for Health and Hygiene education of 10 families in the camp. Among other things, the Female Community Health Worker (FCHW) training curriculum includes: causes, spread and prevention of disease; demonstration of hand-washing; clean water and protection of wells, faeces and the importance of latrines; how to remove rubbish; diarrhoea and ORS; and malaria.

Programme staff judged that TBAs are definitely the most useful village based health workers but LHVs are not

interested nor sufficient in number in the Province to reach and train the TBAs. Hence, more flexibility and relaxation is needed for admission in Public Health Schools in Baluchistan so that more Baluchi girls can join the profession. L'AICF would like to work in rural areas of Pakistan after the Afghan refugees leave. One possibility would be to establish a school for the training of female health workers outside Quetta, at a district level.

WASA's Sanitation Project is located in two katchi abadis near Quetta city. As a pilot phase, WASA is trying a new approach with emphasis on community involvement. WASA female workers visit women individually in their homes (though in one abadi, they also meet women in the female Vocational Skill Training Centre). The Quran and Haddith are used to convince women for the hygienic use of latrines (using purity and pollution concepts), and the importance of anal cleansing.

The Women's Cell office in P & D (Women's Division) has only limited experience in rural areas. Women's Cell interventions in health have included: providing female wards, extra rooms for females in hospitals in urban areas. one mobile Women's Mobile Health Unit, and a Mother and Child Health Centre in Kalat. The Cell is also a funding agency to Social Welfare Department and NGOs for establishing Female education centres, adult literacy classes, income generation centres, which could be used for organizing hygiene education.

Most LHVs are from Punjab and only came to do the LHV course in Quetta and then leave after serving their bond period. Every year Department of Health has to use new LHVs to replace those who have left, yet still there are many LHVs posts vacant. Integrating hygiene education in their work may be difficult as they are to fill several different registers for

various vertical health programmes.

The Nutrition Cell started in late 1988 and is only at pilot stage. UNICEF has donated one vehicle, 2 typewriters and one photocopier and is also helping to arrange Training Courses for Female Health Workers. The programme is covering 18 urban and sub-urban areas. The programme has trained 18 LHVs in procedures to identify malnourishment among children, and growth monitoring.

Appendix C.

Balochistan Education Facilities

BALUCHISTAN EDUCATION FACILITIES
(Primary/Middle/High/Mosque Schools)

Name of District	Primary Schools			Middle Schools			High Schools			Mosque Schools		
	Male	Female	Total	Male	Femal	Total	Male	Female	Total	Total	Male	Female
Quetta	166	101	267	23	18	41	23	19	42	350	212	138
Pishin	287	47	334	52	4	56	21	5	26	416	360	56
Chagai	113	17	130	22	5	27	7	2	9	166	142	24
Loralai	361	51	412	43	5	48	16	4	20	480	420	60
Zhob	205	43	248	22	1	23	3	1	4	275	230	45
Q.Saifullah	104	29	133	19	1	20	4	2	6	130	127	3
Sibi	78	21	99	9	5	14	11	3	14	127	98	29
Ziarat	40	19	59	11	1	12	2	0	2	73	53	20
Kohlu	122	11	133	11	0	11	3	1	4	148	136	12
Dera Bugti	70	11	81	22	1	23	9	1	10	114	101	13
Jafarabad	194	31	225	15	3	18	15	2	17	260	224	36
Tambo	103	0	103	23	0	23	7	1	8	134	133	1
Kachhi	229	34	263	34	6	40	18	4	22	325	281	44
Kalat	214	39	253	36	10	46	14	4	18	337	284	53
Khuzdar	230	20	244	30	3	33	18	1	19	301	277	24
Kharan	111	10	121	27	1	28	5	1	6	155	143	12
Lasbella	186	21	207	25	1	26	11	3	14	247	222	25
Turbat	151	20	177	29	2	31	17	1	18	226	203	23
Panjgoor	61	11	72	16	1	17	7	2	9	98	84	14
Gwadar	61	8	69	10	2	12	6	1	7	88	77	11
Total	3086	544	3630	479	70	549	217	58	275	4450	3807	643

Source: Bureau of Statistics/Department of Education (1988/89)

Appedix D.

Community Survey

(Existing Community Based Organizations)

S. No.	DISTRICT	NAME OF UNION COUNCIL	NAME OF VILLAGE VISITED	TYPE OF ORGANIZATION	TYPE OF PROJECTS	SUCCESS OF IMPLEMENTATION	SUSTAINABILITY	OUTSIDE SUPPORT	CRITERIA										
									1	2	3	4	5	6	7	8	9	10	TOTAL
1	Chagai	Shak	Killi Ismail	Informal CBO Head of tribe & some elderly some refugees from Afghanistan	1 Mosque- kacha dugouts for water reservoir Hand dug wells for animals	Successful	Functional by the community	-Nil- There is a water supply scheme	10	10	20	10	20	10	10	20	10	20	140
2	Chagai	Jamal Beeni	Killi Afsal	Informal CBO single man. He is serving in Railways	1 Mosque with loudspeakers & monthly salary to mulla 2 One room kacha school building 3 Open dug well 4 One pit latrine	Successful	Functional by the community	-Nil- One school teacher from Government of Baluchistan -Nil-	20	30	20	20	30	10	20	20	20	30	220
3	Chagai	Jamal Beeni	Nadal Karez	Informal CBO/ Inflential One man leadership	1 Two mosques. 2 Karez	Successful	Functional by the community	-N I L-	20	30	20	20	20	20	20	10	30	210	
4	Chagai	Chilgazi	Ganako	Informal CBO/ Trible One man leadership	1 Mosque 2 Telephone 3 School	Successful	Functional by the Government	-Nil- -Government -Government	10	20	20	10	10	20	10	20	10	20	150
5	Chagai	Chilgazi	Killi Mohammad Ali	Informal CBO/ Trible One man leadership	-N I L-	N.A	N.A	-N I L-	20	20	10	20	10	20	10	20	20	20	170
6	Chagai	Padag	Killi Moor Mohammad	One man CBO	1 Mosque 2 Dug well	Successful	Functional by the Community	-N I L-	20	10	20	20	20	10	20	20	20	30	190
7	Panjgoor	Mailkor	Gameshbar	Informal CBO/ Trible/Religious Male & female were Organised	1 Land donated for middle school and playground 2 Mosque	Successful	Functional by the Government	Government building for school and a water supply scheme	20	10	10	10	20	10	30	20	10	10	160
8	Panjgoor	Gichal	Pan Ali	Informal CBO	1 Mosque	Successful	Functional by the Community	-N I L-	20	20	10	10	10	10	10	20	10	20	140
9	Panjgoor	Panjgoor	Sordo	NO	1 Mosque	Successful	Functional by the Community	-N I L-											0
10	Panjgoor	Panjgoor	Zandedaz	Informal CBO	1 5 Mosques 2 Karez	Successful	Functional by the Community	-N I L-	20	10	10	20	10	10	10	20	10	30	150

APPENDIX D

Page No-II

S.No	NAME OF DISTRICT	NAME OF UNION COUNCIL	NAME OF VILLAGE VISITED	TYPE OF ORGANIZATION	TYPE OF PROJECTS	SUCCESS OF IMPLEMENTATION	SUSTAINABILITY	OUTSIDE SUPPORT	CRITERIA												
									1	2	3	4	5	6	7	8	9	10	TOTAL		
11	Loralai	Sanjavi	Raygur	Informal CBO/ Religious/ Trible	1 -5 Mosques 2 Karez	Very Successful	Functional by the Community	-N I L-	20	10	20	20	20	10	10	20	10	20	10	20	160
12	Loralai	Loralai	Oriagi	Formal CBO	1 Mosque 2 Water Supply	Very Successful	Functional by the Community	UNICEF Donors	30	20	20	30	20	10	20	30	10	30	10	30	220
13	Turbat	Gogdan	Behman	Informal CBO Ex Councilor is very active, the community is well aware of their problems	1 Mosque 2 Karez 3 Water Supplu Scheme 4 Latrines	Successful	Functional by the Community	Nil Nil Nil Nil	30	20	20	30	20	20	20	20	10	30	10	30	220
14	Turbat	Turbat	Baluch Bazar	Informal CBO	---	N.A	N.A	---	10	10	10	10	10	10	10	10	10	10	10	10	100
15	Turbat	Nasir Abad	Nasir Abad	Informal CBO Community is well- aware of their problems	1 Mosques 2 Roads 3 Post Office buildings 4 Some flush latrines 5 Karez	Successful	Functional by the Community	Nil Nil Nil Nil Nil	30	10	20	20	10	20	20	20	10	30	10	30	190
16	Turbat	Ginna	Moukan (Kalathak)	Informal CBO One man-Trible (Students Organization)	1 Karez 2 Latrines	Successful	Functional by the Community	Nil Nil	10	10	10	10	10	10	20	10	10	10	10	10	110
17	Turbat	Heronk	Singabad	Informal CBO	1 Dig well (Protected)	Successful	Functional by the Community	Nil	10	30	20	30	20	10	10	20	10	30	10	30	190

APPENDIX D

Page No-III

S.No	NAME OF DISTRICT	NAME OF UNION COUNCIL	NAME OF VILLAGE VISITED	TYPE OF ORGANIZATION	TYPE OF PROJECTS	SUCCESS OF IMPLEMENTATION	SUSTAINABILITY	OUTSIDE SUPPORT	CRITERIA										
									1	2	3	4	5	6	7	8	9	10	TOTAL
18	Huzdar	Granch	Granch	Informal CBO (One san- trible)	1 Mosque/Religious School 2 Lares 3 Bazar Road	Successful	Functional by the Community	Nil Nil Nil	20	30	20	20	20	10	20	20	10	30	180
19	Huzdar	Mal	Mal	Formal CBO/Trible (One family)	1 Lares 2 Mosque 3 School (English medium)	Very Successful	Functional by the Community	Nil Nil Nil	30	30	20	30	20	20	20	30	10	30	240
20	Kalat	Lahorian	Lahorian	Informal CBO (One san trible)	1 Mosque 2 Lares	Successful	Functional by the Community	Nil	10	10	10	10	20	20	10	20	10	20	140
21	Kalat	Iskalku	Isapothn Aakrok	Formal CBO's of Pak-German Programme	1 Mosque 2 Dog Wells 3 School 4 Water Storage Tanks	Successful	Functional by the Community	Nil Pak-German self help programme	30	30	20	30	20	10	10	30	20	30	230
22	Kalat	Jaro	Brinchana	Informal CBO/ Ethnic (One group)	1 Mosque 2 Religious School 3 Bridge & Road 1 KM 4 Free land for some Govt. offices & boundry wall for school and dispensary	Very Successful	Functional by the Community	Nil Nil Nil Nil	30	30	30	30	30	20	30	20	30	280	
23	Kalat	Jard	Kaliqabad	Informal One san CBO	1 Mosque 2 School 3 Brains 4 House connection water supply for each house from P.T.R	Very Successful	Functional by the Community	Nil Nil Nil Nil	30	30	30	30	30	30	20	30	20	30	280
24	Kalat	Behood Sohran	Miransai	Informal CBO	1 Mosque 2 Mosque School	Successful	Functional by the Community	Nil Nil	20	20	20	20	20	20	10	20	10	30	180
25	Kalat	Behood Sohran	Miransai	Informal CBO	1 Mosque 2 School building for girls 3 Industrial house for girls	Successful	Functional by the Community	Nil Nil Nil	30	20	20	30	20	20	30	30	10	30	240

S.No	NAME OF DISTRICT	NAME OF UNION COUNCIL	NAME OF VILLAGE VISITED	TYPE OF ORGANIZATION	TYPE OF PROJECTS	SUCCESS OF IMPLEMENTATION	SUSTAINABILITY	OUTSIDE SUPPORT	CRITERIA										
									1	2	3	4	5	6	7	8	9	10	TOTAL
26	Lachhi	Khot Raisani	Khot Mangal	Informal Tribal CBO One man fudal	1 Land for school 2 Land for the roads denoted by the landlord	Unsuccessful	No Body	Nil	10	10	10	10	10	10	10	20	10	10	110
27	Lachhi	Khot Raisani	Khot Raisani	Fudal System	1 Land for school 2 Land for the roads denoted by the landlord	N.A	N.A	Nil	10	10	10	10	10	10	10	20	10	10	110
28	Lachhi	Khot Raisani	Khot Rai	Fudal System	1 Mosque 2 Maintenance of W.S.S	Successful	Functional by the Community	Nil	20	20	20	30	20	10	10	20	10	30	190
29	Lachhi	Mushkaf	Mushkaf (Goth Haji Musa)	Formal CBO's Gtz	1 Housing Scheme 2 Drainage 3 Water Supply 4 Streets	Very Successful	Functional by the Community	Gtz/ARDD	30	30	30	20	30	20	20	30	30	30	270
30	Sibi	Hernai	Gund	Nil	Nil	N.A	N.A	Nil	10	10	10	10	10	10	10	10	10	10	100
31	Sibi	Ispintangi	Bob	Informal Tribble	Nil	N.A	N.A	Nil	20	20	10	20	20	20	20	20	10	30	190
32	Sibi	Hernai	Killi Ghetai	Nil	Nil	N.A	N.A	Nil	10	10	10	10	10	10	10	10	10	10	100
33	Sibi	Makas	Marpani	Nil	Nil	N.A	N.A	Nil	20	10	10	20	10	10	20	20	10	30	160
34	Sibi	Sharag	Sheikan	Formal CBO Gtz/ARDD	1 Hand Pump	Successful	Functional by the Community	Gtz/ARDD	20	20	20	20	20	20	20	20	20	30	210
35	Ziarat	Lawas	Lawas	Informal CBO Elected leader	1 Water Supply 2 School 3 Religious School	Successful	Functional by the Community	MPA Fund Nil	30	30	20	30	20	20	20	20	20	30	240
36	Ziarat	Zindra	Chesna	Informal CBO	1 Mosque 2 Karez	Successful	Functional by the Community	Nil	20	10	10	30	10	10	20	20	10	30	170

1. Community Consciousness
2. Leadership with Development approach
3. Community Development activities within their village
4. Ability of Raising funds within the Community
5. Existing Community based system of decision and accountability
6. Understanding of local councils system & level of its acceptance.
7. Attitude towards women
8. Knowledge & awareness level towards sector.
9. Process of information collection within and out side the community and sharing this information.
10. Attitude towards financial contribution to water supply and sanitation.

Appendix E.

List of Field Visits

District	S.No	Name of Scheme/Village	PHED	LGRDD	Pak German	BIAD
Q. Saifullah	1	W.S.S. Tor Tangi	*			
	2	W.S.S. Tarawal	*			
	3	W.S.S. Qila Saifullah	*			
	4	W.S.S. Kan Mehtarzai	*			
	5	W.S.S. Muslim Bagh	*			
	6	W.S.S. Khawaja Imran	*			
	7	Killi Ferozi Kan				
	8	Killi Murgha Mehtarzai				
	9	Killi Kach Mulla zai				
	10	Killi Urgus				
	11	Killi Nasai				
	12	Killi Kalu Qilla				
	13	Killi China Khora				
Zhob	14	W.S.S. Kapip	*			
	15	W.S.S. Apozai	*			
	16	Killi Lawara & group of villages near by.				
	17	Killi Takai				
	18	Killi Gardah Babar				
	19	Killi Khosti				
	20	Killi Barwala				
	21	Killi Charmawal				
	22	Killi Dhana Abdullah Zai				
	23	Killi Murgha Kibzai				
Loralai	24	W.S.S. Killi Nasran	*			
	25	W.S.S. Sinjawi	*			
	26	W.S.S. Loralai	*			
	27	W.S.S. Badinzai	*			
	28	Killi Haji Rozai				
	29	Killi Raz Muhammad				
	30	Killi Hajai				
	31	Killi Mohd. Tar				
	32	Killi Mohd. Thandhwani				
	33	Killi Kazha				
	34	Killi Chautair Thana				
	35	Killi Cheutair				
	36	Killi Karbi Kach				
Chagai	37	W.S.S. Yak Mech	*			
	38	W.S.S. Anam Bostan	*			
	39	W.S.S. Killi Johar Khan	*			
	40	W.S.S. Killi Ahmad Wal	*			
	41	Killi Malik Ismail				
	42	Killi Jamal Din				
	43	Killi Batu				
	44	Killi Mandai				

District	S.No	Name of Scheme/Village	PHED	LGRDD	Pak German	BIAD
	45	Killi Jahan Shah				
	46	Killi Habibullah				
	47	Killi Haji Omaid				
	48	Killi Haji Karim				
	49	Killi Mangal Mah				
	50	Killi Saleh Mohammad				
	51	Killi Taleh Mohammad				
	52	Killi Bahadur				
	53	Killi Noor Mohammad				
	54	Killi Nakari				
	55	Killi Haji Gul Mohammad				
	56	Killi Khuda Zai				
	57	Killi Dino Zai				
	58	Killi Kuchaki & other Group of villages				
	59	Killi Padad				
	60	Killi Charsar				
	61	Killi Malik M.Azam & other group of villages				
	62	Killi Chitar & other Villages				
	63	Killi Pishuk				
	64	Killi Pat Gawanku				
	65	Killi Mak Medi				
	66	Killi Badal Karez				
	67	Killi Noshki station				
Turbat	68	W.S.S. Dunok	*			
	69	W.S.S. Gurkani Seechi	*			
	70	Killi Bahot Chat				
	71	Killi Oh chat				
	72	Killi Sorak				
	73	Killi Sangabad				
	74	Killi Kirki				
	75	Killi Sajaban				
	76	Killi Balochi Bazar				
Panjgoor	77	W.S.S. Khuda Badan	*			
	78	W.S.S. Madrassa Darul Toheed Tasp	*			
	79	Killi Kalag				
	80	Killi Sinsori				
	81	Killi Sahib Kan				
	82	Killi Shay Hussain				
	83	Killi Sorap (Ajbar)				
Kalat	84	W.S.S. Mende Haji	*			
	85	W.S.S. Dasht-e-Kambela	*			
	86	W.S.S. Spezand	*			

Appendix E

LIST OF FIELD VISITS

District	S.No	Name of Scheme/Village	PHED	LGRDD	Pak German	BIAD
	87	W.S.S. Killi Hassni	*			
	88	W.S.S. Chiltan Anari	*			
	89	W.S.S. Dasht-e-Pingove	*			
	90	W.S.S. Dringar	*			*
	91	W.S.S. Kirdgab	*			
	92	W.S.S. Babri	*			
	93	Water Tank, Chiltan Anari		*		
	94	Water Tank, Haji Noroze Khan		*		
	95	Dug Well, Killi Noroze Khan		*		
	96	Comm. Tank, Killi Juma Khan				
	97	Comm. Tank, Killi Zarkhu		*		
	98	Animal Driven H.P.at Killi Rais Dilshad		*	*	
	99	Open dug Reservoir at				
	100	Killi Dhor, Killi Abdul Qadir	*	*		
	101	W.S.S. Karez North				*
	102	W.S.S. Mastung Road				*
	103	W.S.S. Ghousebas	*			
	104	W.S.S. Umardore				*
	105	Killi Turkman			*	
	106	Killi Mal Kharma				
	107	Killi Laputto				
	108	Killi Kapota Kalan (Dilshad Zai)				
	109	Killi Benchah	*			
	110	Killi Mal Shaho Zai	*			
	111	Killi Bitagu				
	112	Killi Lakhorian				
Khuzdar	113	W.S.S. Nal	*			
	114	W.S.S. Wadh	*			
	115	Killi Naughe				
	116	Killi Gongo				
	117	Killi Bidrang				
	118	Killi Dal Musad Mohammad				
	119	Killi Sardari Dal				
	120	Killi Tobro				
	121	Killi Khor Mustan				
	122	Killi Garuk				
	123	Killi Laisa				
	124	Killi Kalu Bit				
	125	Killi Andeghar				
Kachhi	126	W.S.S. Kot khai	*			
	127	W.S.S. Sani-Bhag	*			

District	S.No	Name of Scheme/Village	PHED	LGRDD	Pak German	BIAD
	128	Killi Mushkat			*	
	129	Killi Kot Raisani				
	130	Killi Kot Mengal				
	131	Killi Mehr Garh				
	132	Killi Khan Wah				
	133	Killi Dopasi				
	134	Killi Sibri				
	135	Killi Noshero				
Ziarat	136	W.S.S. Kewas	*			
	137	W.S.S. Mana Velley	*	*		
	138	Killi Zandara				
	139	Killi Cheena				
	140	Killi virchoom				
Sibi	141	W.S.S. Harnai	*			
	142	Killi Sharig			*	
	143	Killi Ghund				
	144	Killi Roghni				
	145	Killi Tarwoo				
	146	Killi Saihan				
	147	Killi Niazi				
	148	Killi Mirza				
	149	Killi Shore				
	150	Killi pori				
	151	Killi Dak				
	152	Killi Aspeni				
	153	Killi Beli				
	154	Killi Lundi				
	155	Killi Dub				
	156	Killi Churkin				
	157	Killi Kaman				
	158	Killi Gandarin				
	159	Killi Sheikhan				
	160	Killi Singal				
	161	Killi Khadrani				
	162	Killi Marpani				
	163	Killi Spintangi				
	164	Killi Khiara				
	165	Killi Urharz				
	166	Basti Sheikhan				
	167	Killi Ali Mohammad Shah				
	168	Killi Khaisahad				
	169	Killi Umar Kala				
	170	Killi Sheikhan Shamali				
	171	Killi Samalala				
Pishin	172	W.S.S. Dilsora	*			

District	S.No	Name of Scheme/Village	PHED	LGRDD	Pak German	BIAD
	173	W.S.S. Chermian	*			
	174	W.S.S. Khanozai	*			
	175	W.S.S. Maizai Adde	*			
	176	W.S.S. Khuda Dad Zai	*			
	177	W.S.S. Jungal Pir Alizai	*			
	178	W.S.S. Huran Zai	*			
	179	W.S.S. Sharan Zamistan	*			
	180	W.S.S. Balo Zai	*			
	181	W.S.S. Khanai Baba	*			
	182	W.S.S. Killi Tharata	*			
	183	W.S.S. Hakalzai	*			
	184	W.S.S. Inayat Ullah karez	*			
	185	W.S.S. Gulistan Bazar	*			
	186	W.S.S. Lajwar Gulistan	*			
	187	W.S.S. Mandan	*			
	188	W.S.S. Karbala	*			
	189	W.S.S. Churbadezai	*			
	190	Open Surf. Well, Sarkhan Zai.		*		
	191	O.S.W., Khudu Khanzai		*		
	192	O.S.W., Nida Oila		*		
	193	O.S.W., Mian Khanzai		*		
	194	O.S.W., Manzri Tareenan		*		
	195	O.S.W., Mirza Khan, Gulistan		*		
	196	O.S.W., Akbar Khan, Gulistan		*		
	197	O.S.W., Ashraf Khan Qila Abdullah		*		
	198	W.S.S. Pir Alizai				*
	199	W.S.S. New Saranan	*			
Quetta	200	W.S.S. Panjpei	*			
	201	W.S.S. Killi Mohammad Khail	*			
	202	W.S.S. Ahmad Khanzai	*			
	203	W.S.S. Killi Naik Mohammad	*			
	204	W.S.S. Qambrani	*			
	205	W.S.S. Bangalzai	*			
	206	W.S.S. Sara Ghurgi	*			
	207	W.S.S. Lore Karez	*			
	208	W.S.S. Killi Serda	*			

Total No. of Schemes Visited 87

Total No. of Villages Visited 121
which have no water supply