

APPENDIX II

2-2 Additional Tables



Table A-2-2-1

**District-wise Expenditure on Integrated Rural Development Programme  
1986 - 1987**

Rs. Million.

District (a)	Source of Foreign Aid	Estimated Cost			Expenditure to date Cumulative		Expenditure	
		Foreign Aid Commitment	Local	Total	As at end 1986	As at end 1987 (b)	During 1986	During 1987(b)
1. Kurunegala (1979) ..	World Bank	430	215	645	645	648	48	3
2. Matara (1979) ..	SIDA (Sweden)	383	42	425	119	153	25	34
3. Hambantota (1979) ..	NORAD (Norway)	686	14	700	310	382	54	72
4. Nuwara-Eliya (1980) ..	Netherlands	449	56	505	186	228	48	42
5. Matale (1981) ..	World Bank	305	143	448	231	274	39	43
6. Puttlam (1981) ..	World Bank	398	187	585	431	489	74	58
7. Badulla (1982) ..	IFAD	384	84	468	202	277	77	75
8. Vavuniya (1984) ..	World Bank	246	133	379	63	63.6	8	0.6
9. Mannar (1984) ..	World Bank	220	118	338	53	54	7	1
10. Ratnapura (1984) ..	Netherlands	366	9	375	52	81	30	29
11. Moneragala (1984) ..	NORAD	392	8	400	48	103	19	55
12. Mullativu (1985) ..	Netherlands	353	7	360	5	6	1	1
13. Kegalle (1986) ..	IFAD	262	147	409	10	35	10	25
14. Kalutara (1987) ..	FINNIDA (Finland)	213	32	245	0.3	7.3	0.3	7
15. Kandy (1987) ..	Federal Republic of Germany	56	6	62	0.5	0.7	0.5	0.2

Source: Central Bank of Sri Lanka  
Annual Report, 1987

Table A 3-2-la Regional Analysis in Kandy District

- INDICATORS BASED ON SELECTED CRITERIA -

CRITERIA A.G.A. DIVISIONS	Income / Poverty		Demographic data		Backwardness			Environmental considerations		Potential for Agri. Diversification/Expansion	Implementation potential			
	Food Stamp Holders %	Un-employment %	Landlessness %	Population density per Km <sup>2</sup>	Rural population composition %	Participation rate school age (5-14) %	Teacher-Pupil ratio Pr/Ts	Illiterate %	Road density Km/Km <sup>2</sup>			Pipe borne water in terms of Population ty	Morphological suitability	Climatological Suitability
										Potential for Agricultural Development on land use acres	Active Rural Societies per 1000 population			
01. GANCA IHALLA	56	21	15	436	100	83	120	17	0.6	07	02	05	10746	0.4
02. NARISPATTUMA Poojapitiya Akurana	67	23	10	1045	100	87	37	13	1.4	40	04	05	28970	0.7
03. KANDY GRAVERS	20	19	21	2517	13	88	35	06	2.8	80	05	05	6331	0.3
04. KUNDASALLE	58	26	08	915	100	88	46	11	1.4	05	05	04	15110	0.9
05. MEDA-DUMBARA	31	15	15	358	100	83	35	20	1.4	12	04	03	19274	0.6
06. HIRIPE	66	05	28	192	100	79	136	24	0.4	02	05	03	34174	0.9
07. PANNILA	22	08	04	267	100	73	37	25	1.0	50	03	04	4174	0.7
08. PASBAGE NORALE	24	15	07	435	75	77	43	22	0.6	35	03	05	7265	0.3
09. PATEA-DUMBARA	46	26	11	1305	89	89	37	12	1.0	40	05	04	10561	0.7
10. PATEA-EMMABATA	43	18	09	597	100	87	43	13	0.9	28	04	04	25419	0.7
11. TORPANE	50	23	09	507	100	91	37	12	0.9	19	04	05	23761	0.4
12. UDA-DUMBARA	67	07	14	79	100	74	56	31	0.4	02	02	03	33314	1.1
13. UDA-KUVAJA	52	26	06	1118	100	89	46	11	2.8	23	04	05	14045	0.8
14. UDA-PALATTA	32	15	16	598	77	81	39	17	0.9	37	03	05	18562	0.2
15. YATINUPARA	42	28	04	1175	97	90	42	10	1.0	25	03	05	15384	0.4

Table A 3-2-2 a ACTIVITIES OF RURAL INDUSTRY (STAGE I & II) (MINIPE)

01. Weaving Centre	(5) 01. Ambagahapelasse, 02. Handaganawa, 03. Pallevatta 04. Mahayaya, 05. Udawela. (All Stage)
02. Carpentry Training Centre	(1) 01. Morayaya. (State)
03. Carpentry Work Shops,	(12) 01. Randenigala, 02. Ambagahapelessa, 03. 06th Mile Post, 04. Morayaya, 05. Weragantota, 06. Pallevatta, 07. Hasalaka, 08. Thorapitiya, 09. Ulpothagama, 10. Udawela, 11. Udattawa, 12. Kolongoda
04. Timber Depot,	(1) 01. Timber.Depot, Timber Corporation, Hasalaka.
05. Brick Kilns (Rural)	(5) 01. Weragantota, Palanhandiya, 03. Hasalaka, 04. Ulpothagama, 05. Udawela
06. Metal Crushing Centre, Rural	(5) 01. 08th Mile Post., 02. 05th Mile Post, 03. Weragama, 04. Hasalaka, 05. Hasalaka, (Eke Eia)
07. Rice Mills (Private)	(9) 01. Ambagahapelessa, 02. Morayaya, 03. Weragantota, 04. Weragantota, 05. Pallevatta, 07., 08. Gurulupotha, 09. P.M.B. Hasalaka,
08. Blacksmiths (Rural)	(6) 01. Minipe, 02. Ambagahapelessa, 03. 5th Mile Post, Handaganawa, Weragantota, Pallevatta
09. Motor Work Shop,	(3) 01. 02 Nos. Hasalaka, 01. Weragantota (Near the Bridge)
10. Cane Chairs	(10) 01. Ambagahapelessa, 02. Morayaya, 03. Diyabeduma, 04. Udattawa
(Around the Scheme)	
01. Driving Training Centre	(1) 01. Morayaya Town,
02. Tile Factory	(1) 01. Mahiyangana Town

Source : Feasibility Report on the Rehabilitation of Tank Irrigation Project, 1986

Table A 3-2-2 a ACTIVITIES OF RURAL INDUSTRY (STAGE III & IV)  
( MINIPE )

01.	I. Gem Centre	01 (Government)
	II. Gem Centre	03 (Private)
02.	Blacksmith (Rural)	08
(Around the Scheme)		
01.	Bricks Making Centre	02 Nos. at Nagolla 01 at Nugagolla
02.	Carpentry Training Centre	01 Nugagolla
03.	Rice Milling Centre	17 Nos. (Small Scale)
04.	Workshop (Lathe Machine Welding, Cutting etc.)	01 at Nagolla
05.	Metal crushing Centre	01 at Nagolla, 01 Lediyangala 01 at Bogahawewa
06.	Motor Workshop	

Table A 3-2-2 b ACTIVITIES OF RURAL INDUSTRY  
( NAGADEEPA )

(In the Scheme)	
01. Weaving Centre	01 at Tissapura
02. Sewing Machine Training Centre	01 Tract No. 6
03. Brick Making Centre	10 All over the area in the Scheme
04. Carpentry Training Centre	01 at Tract No. 06
05. Masons Training Centre	01 at Tract No. 09
06. Workshops (Blacksmith's Level)	07
(Around the Scheme)	
01. Driving Training Centre	01 at Mapakadawewa
02. Carpentry Training Centre	02 at Mapakadawewa & Mahiyangana
03. Tile Factory	01 at Mahiyangana
04. Workshop (Machine Repairing) (Lathe Machine, Welding, Cutting etc.)	10 Private
05. Weaving Centres	03 at Mapakadawewa, Dambarawa and Sorabora
06. Rice Milling Machines-Large Scale (With boiling) Middle Small	01(Co-operative) 03 10
07 Workshops (Blacksmith's Rural Level)	20 Approximately
08. Bullock Cart Repairing Centres	04 Approximately

SOURCE : Surveyed by the team

Table A 3-2-3 a

## RURAL LIFE SURVEY (MINIPE)

	STAGE I		STAGE II	
	SECTION 1	SECTION 2	SECTION 1	SECTION 2
Location	Canal D 21 (Mile stone 8½)	Canal D 47 (Mile stone 17½)	Canal D 7 (Mile stone 22)	Canal D 31 (Mile stone 29½)
Distance from cultivated land to the allotted house	0.5 to 1.5 Miles, depending on the location of the farmers house.	Within 0.5 Mile, most of the houses are on the right hand side of Main canal.	Over 1 Mile, is the usual case. 80% of the farmers live left hand side of Main canal	Within 0.5 Mile house was built on the allotted farmers highland.
School	Handaganawa (1 Mile)	Pallewatta (0.5 M) Hasalaka (1.5 M)	Pilhatha (2 M) 12th Grade	Kolongoda School (12th Grade) c.u. walls
Place for job opportunity	Randenigala, System C area, Temporary labour work	Hasalaka, Randenigala Temporary Labour work.	Hasalaka (3.5 M) Morayaya (7 M)	No job opportunity even temporary
Hospital	Morayaya (5 M) Kandy in case of serious disease	Morayaya (0.5 M) Mahiyangana or Kandy for serious case	Hasalaka Dispensary 3.5 Miles Morayaya Hospital (7 Miles)	Kobongoda (0.5 Miles) Mahiyangana Hospital
Shopping and Daily matters	Morayaya (1 Mile) Hasalaka (10 Miles)	Pallewatta (.5 M) Hasalaka (1.5 M)	Hasalaka (3.5 M)	Kolongoda (0.5 Mile) Hasalaka (10 Miles) Twice a Month
Temple	Handaganawa (1 M) Mahiyangana (Poyaday)	Pallewatta (0.5 M) Mahiyangana (Poya)	Mahiyangana (1.5 M) On poya days	Cangaramaya (0.5 Miles) Mahiyangana (Poya days)
Place to go for Leisure	Hasalaka Movie Theatre, Once a Year	Hasalaka Movie Theatre, Once or twice a year	Hasalaka or Mahiyangana	Mahiyangana once a month

Source : Feasibility Report on the Rehabilitation of Tank Irrigation Project, 1986



Table A 3-2-3 a RURAL LIFE SURVEY (MINIPE)

	STAGE III	STAGE IV
Location	Mahawatenna Ela Mile Stone 34	D 3 Channel Mile Stone 44½
Distance from cultivated land to the allotted house	Within 1 Mile. Most of the farmers live on the right hand side of the Main canal	Most of houses are 0.5 Miles away from the allotted paddy land.
School	Mahawatenna School (3 Miles)	Mendakanda Junior High School 0.5 Miles
Place for job opportunity	No job opportunity even temporary	Himbiliyakada labour work was helpful but it is over
Hospital	Hettipola Hospital (5 Miles) Matale Hospital (40 Miles)	Madugamuwa Dispensary (2 Miles) Matale Hospital for serious disease
Shopping and Daily matters	Pallegama (12 Miles) Hettipola (5 Miles)	Hetripola (9 miles)
Temple	Milgamuwa Temple (1 Mile) On Poya days, Mahiyangana	Madaganda Temple (1 Mile) On Poya days. Mahiyangana
Places to go for Leisure	No place for Leisure	After harvest, there is a festival around the area.

Table A 3-2-3 b RURAL LIFE SURVEY (NAGADEEPA)

LIFE BOUNDARY	TRACT NO. 03	TRACT NO. 12
Distance from cultivated land to house	0.5 Mile approximately	Within 0.5 Miles encroachers have their houses close to their cultivated land.
Schools	Tissapura School 2 Miles (Grade 12)	Keselpotha School, 2 Miles (Grade 10)
Place for job opportunity	Almost all the men in village go for temporary jobs at the rate of Rs. 25 - 35/day. to Mahiyangana	Go for the temporary jobs at Girandurukotte, Ratkinda and Mahiyangana 07 Miles, 08 Miles and 06 Miles away accordingly.
Hospital	Mahiyangana (12 Miles) Tissapura Dispensary ( 2 Miles)	Mahiyangana (06 Miles) Tissapura (05 Miles)
Shopping & Daily Matters	Tissapura ( 2 Miles) Mahiyangana (12 Miles)	Tissapura (05 Miles) Mahiyangana (06 Miles)
Places to go for leisure	There are no such places for enjoyment	There are no such places for enjoyment.
Temple	Tissapura Temple (02 Miles)	Keselpotha Temple (03 Miles)

Table A 3-2-4 Social Infrastructure Facilities Provided in System "C"

Progra: - Programme  
Progre: - Progress

Institutions	Zone 2		Zone 3		Zone 4		Town Ship (1) Ghandurukotte		Zone 5		Zone 6	
	Progra	Progr	Progra	Progr	Progra	Progr	Progra	Progr	Progra	Progr	Progra	Progr
Unit Service Centre	17	17	11	11	41	29	-	-	12	-	8	-
Block Managers Offices	2	2	1	1	5	4	-	-	1	-	1	-
Project Office	-	-	-	-	-	-	1	1	-	-	-	-
Primary School Type III	13	13	7	7	26	19	-	-	8	-	5	-
Junior Secondary Type II	5	5	3	3	12	7	-	-	3	-	2	-
Senior Secondary Type B & C	-	-	-	-	-	-	1	1	-	-	-	-
Divisional Health Centre	-	-	-	-	-	-	1	1	-	-	-	-
Sub Divisional Health Centre	2	2	1	1	5	3	-	-	1	-	1	-
Gramodaya Health Centre	10	10	5	5	20	6	-	-	6	-	4	-
Anti Malaria Units	-	-	-	-	-	-	1	1	-	-	-	-
Post Office	-	-	1	1	-	-	1	1	-	-	-	-
Sub Post Office	6	5	-	3	15	6	-	-	6	-	3	-
Post Box	17	16	-	10	41	14	-	-	12	-	8	-
Co-operative - Small-scale & Retail	21	10	-	5	41	15	1	1	12	-	8	-
Divisional Education Office	-	-	-	-	-	-	-	1	-	-	-	-
Commercial Bank	-	-	-	-	-	-	2	2	-	-	-	-
Rural Banks	1	1	-	1	5	-	-	-	1	-	1	-
Commercial Centres	6	6	3	3	16	9	1	1	3	-	3	-
Fertilizer / Paddy/General Stores Complex	2	2	1	1	5	4	1	1	1	-	1	-
World Food Complex	-	-	-	1	4	3	-	-	1	-	1	-
School Play Ground	19	18	10	10	38	26	1	1	11	-	7	-
Large Bus Stand	-	-	-	-	-	-	1	1	1	-	-	-
Public Park	-	-	-	-	1	-	-	-	-	-	-	-
Water Supply Scheme	-	-	-	-	-	-	1	1	-	-	-	-
Weekly Pola	-	-	1	1	3	2	1	1	-	-	-	-
Religious Place	17	17	10	10	42	15	1	1	12	-	8	-
Police Station	-	-	-	-	-	-	1	1	-	-	-	-
Ayurvedic Dispensary	1	1	-	1	2	1	-	-	-	-	-	-
Sports Complex	-	-	-	-	-	-	1	1	-	-	-	-
Courts Complex	-	-	-	-	-	-	-	1	-	-	-	-

Table A-3-5-1 (a)

## Stage I

DIVISION	Families	Population	Existing wells				Shallow wells to be rehabilitated (communal)		New wells		Population (1995)
			Deep tube wells	Shallow wells (communal)	Private Shallow wells (communal)	Private Shallow wells (for family)	Type A	Type B	Deep tube wells	Shallow wells	
MINIPE	430	2,600	0	5	13	50	7	5	8	6	2,920
AMBAGABELESSA	320	1,870	0	10	9	35	6	6	6	0	2,100
HANDAGAMUNA	610	3,600	2	14	17	70	10	10	9	3	4,050
HORAYAYA	650	4,480	2	0	23	90	12	6	11	18	5,040
DIYABUBURA	300	1,680	0	8	8	30	5	5	5	0	1,890
WERAGAMA	500	3,200	1	4	16	62	8	6	8	9	3,600
PALEWATTA	320	1,920	0	5	10	39	5	5	6	3	2,160
GURULUPOTA	70	480	1	1	2	14	1	1	0	2	540
TOTAL	3,200	19,830	6	47	98	390	54	44	53	41	22,300

Stage II

DIVISION	Families	Population	Existing wells				Shallow wells to be rehabilitated (communal)		New wells		Population (1995)
			Deep Tube wells	Shallow wells (communal)	Private Shallow wells (communal)	Private Shallow wells (for family)	Type A	Type B	Deep tube wells	Shallow wells	
HIFBUTWA	380	2,210	0	6	10	38	6	5	7	5	2,490
DAHAMIGAMA	380	2,310	0	6	10	40	6	5	7	6	2,600
MEHARE	530	3,620	6	9	16	65	9	8	5	8	4,070
KINDIGODA	870	4,660	4	11	20	82	11	11	10	12	5,250
UDATTAWA	140	770	0	2	3	13	1	2	2	2	870
ULPOTAGAMA	410	2,680	0	7	12	47	7	7	8	8	3,230
MABAYAYA	270	1,520	0	4	6	26	3	3	5	4	1,720
RATNEELLA	40	280	0	1	1	4	0	1	1	1	330
HASALAKA	900	5,840	2	14	25	98	14	13	15	15	6,570
GURULUPOTA	170	1,130	1	2	4	17	2	1	2	5	1,270
TOTAL	4,190	25,020	13	62	107	430	59	56	62	66	28,200

Stage III

DIVISION	Families	Population	Existing wells				Shallow wells to be rehabilitated (communal)		Population (1995)		New wells	
			Deep Tube wells	Shallow wells (communal)	Private Shallow wells (communal)	Private Shallow wells (for family)	Type A	Type B	Deep tube wells	Shallow wells		
KARUGAHA WELA	500	3,000	9	6	8	47	4	2	3,380	0	13	
NEBERACALA GAMA	70	420	1	2	1	6	1	0	470	0	1	
LEDIYANGALA	390	2,250	3	5	6	35	3	2	2,530	0	10	
BOGAWAMA	600	3,500	10	23	10	55	5	4	3,940	0	0	
BETTIPOGA	380	1,590	3	4	4	25	2	1	1,790	0	6	
MAHANATENNA	400	2,500	3	9	7	40	4	3	2,810	0	7	
NAMINEAMA	180	940	1	2	3	15	1	1	1,060	0	4	
NUGAGOLLA	430	2,650	5	4	8	43	4	2	2,980	0	12	
SONUTTA	310	1,830	4	10	5	28	2	3	2,060	0	2	
WILGAMMA	170	930	9	9	3	15	1	2	1,050	0	0	
TOTAL	3,350	19,610	48	74	55	309	27	20	22,070	0	55	

Stage IV

DIVISION	Families	Population	Existing wells				Shallow wells to be rehabilitated (communal)		New wells		Population (1995)
			Deep tube wells	Shallow wells (communal)	Private Shallow wells (communal)	Private Shallow wells (for family)	Type A	Type B	Deep tube wells	Shallow wells	
HANDUNGAMONA	380	2,450	4	15	4	36	2	3	0	4	2,760
TUNGIRIYA WEMA	330	1,960	1	12	3	29	1	2	0	3	2,200
KUMBUKANDA	300	1,880	8	12	3	28	2	2	0	3	2,120
MEDAKANDA	230	1,280	5	8	2	19	1	1	0	2	1,440
TOTAL	1,240	7,570	18	47	12	112	6	8	0	12	8,500

VILLAGE	TRACT No.	Families	Population	Existing wells				Shallow wells to be rehabilitated (communal)		Population (1995)	New wells	
				Deep Tube wells	Shallow wells (communal)	Private Shallow wells (communal)	Private Shallow wells (for family)	Type A	Type B		Deep tube wells	Shallow wells
TISSAPURA	1	110	630	0	2	2	9	2	1	700	2	2
	2	180	1,060	1	3	3	16	1	3	1,190	4	4
	3	250	1,480	0	4	5	24	3	5	1,670	4	5
GANUNUPRA	10	160	970	0	3	3	16	1	3	1,090	3	3
	4	220	1,320	0	3	4	22	2	3	1,490	4	5
	5	180	1,110	0	3	3	18	1	3	1,250	3	4
ABAWATHA	6	280	1,700	0	5	6	28	4	5	1,900	5	5
	7	80	460	1	1	1	7	1	1	520	1	2
KESELPOTHA	8	230	1,360	1	3	4	21	2	3	1,500	4	5
	9	290	1,770	0	5	6	28	5	5	1,990	5	6
TOTAL	11	260	1,550	0	4	5	24	3	5	1,740	5	6
	12	230	1,380	0	3	4	21	2	3	1,550	4	6
TOTAL		2,470	14,790	3	39	46	234	27	40	16,600	44	53



Table A 3-5-2 a Data of Deep Tube Wells Constructed by DANIDA

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

KAMPSAX-KRYGER

IMPLEMENTATION OF RURAL WATER SUPPLY  
AND SANITATION PROGRAMME  
IN NATALE AND POLANNARUNA

532/8 SIEBEL PLACE  
KANDY  
TEL: 08 23156

LOCALITY	WELL - NO.	DATE	MAIN STRATA	P M	H M	Q M <sup>3</sup> /H	S M	C
H1/379	Bulathattawa	W1001	12/03-86	Granulite	81	05.9	00.3	H
H1/380	Bulathattawa	W1002	10/03-86	Garn.Granulite	33	06.5	02.3	H
H2/032	Unagolla	W1003	09/03-86		30		09.0	H
H2/037	Unagolla	W1004	14/03-86	Calc Gneiss	30	04.8	23.9	H
H2/039	Nugagolla	W1005	16/03-86	Calc Gneiss	31	07.9	04.8	H
H2/040	Nugagolla	W1006	17/03-86	Quartz.Feld.	30	05.9	07.2	H
H2/041	Nugagolla	W1007	18/03-86	Charnockite	34	06.9	02.7	H
H2/038	Nugagolla	W1008	15/03-86	Cr.limestone	36	06.9	23.9	H
H1/381	Nugagolla	W1009	11/03-86	Granulite	33	07.5	21.3	H
H2/033	Nugagolla	W1010	10/03-86	Garn.Granulite	45	08.2	18.0	H
H2/034	Nugagolla	W1011	11/03-86	Calc Gneiss	33	08.8	02.4	H
H1/383	Dewagiriya	W1012	12/03-86	Ch.Bt.Gneiss	33	05.1	01.0	H
H2/035	Dewagiriya	W1013	12/03-86	Ch.Bt.Gneiss	58	06.0	36.0	H
H1/382	Dewagiriya	W1014	12/03-86	Bt.Gneiss	33		01.4	H
H1/405	Dewagiriya	W1015	01/04-86	Bt.Gneiss	57		03.6	H
H1/384	Gurukelayaya	W1016	13/03-86	Bt.Gneiss	49		01.1	H
H2/036	Aliyakalayaya	W1017	13/03-86	Bt.Gneiss	38		04.5	H
H1/394	Aliyakalayaya	W1018	22/03-86	Bt.Gneiss	30		02.5	H
H1/395	Aliyakalayaya	W1019	22/03-86	Bt.Gneiss	30		00.6	H
H1/396	Aliyakalayaya	W1020	23/03-86	Bt.Gneiss	48		02.4	H
H1/385	Gurukelayaya	W1021	14/03-86	Bt.Gneiss	33		00.6	H
H1/387	Bogahawewa	W1022	19/03-86	Charnockite	60		00.5	H
H1/386	Bogahawewa	W1023	16/03-86	Charnockite	49		02.3	H
H1/391	Angunakolapitiya	W1024	30/03-86	Calc Gneiss	30		00.6	H
H2/049	Nugagolla	W1025	15/12-86	Quartz.Feld.	27	03.0	05.55	D
H2/043	Nugagolla	W1026	22/03-86	Calc Gneiss	80		07.2	H
H2/045	Nugagolla	W1027	23/03-86	Calc Gneiss	31		10.3	H
H2/044	Nugagolla	W1026	22/03-86	Biotite Gneiss	31		11.9	H
H2/046	Unagolla	W1029	23/03-86	Garn.Gneiss	31		16.0	H
H1/379	Radunnekawa	W1031	26/03-86	Bt.Gneiss	30		00.6	H
H1/398	Radunnekawa	W1032	25/03-86	Granulitic Gn.	30		00.2	H
H1/388	Radunnekawa	W1033	19/03-86	Bt.Gneiss	30		02.1	H
H1/389	Radunnekawa	W1034	19/03-86	Bt.Gneiss	30		72.8	H
H1/393	Angunakolapitiya	W1035	20/03-86		30		00.5	H
H1/392	Angunakolapitiya	W1036	21/03-86	Ch.Bt.Gneiss	30		02.5	H
H1/393	Angunakolapitiya	W1037	21/03-86	Bt.Gneiss	30		02.6	H
H2/047	Semburuoya	W1038	24/03-86	Calc Gneiss	34	06.9	00.9	H
H2/048	Semburuoya	W1039	25/03-86	Biotite Gneiss	31		01.0	H
H2/049	Pussellayaya	W1040	25/03-86	Bt.Gneiss	31	05.9	00.9	H
H2/050	Pussellayaya	W1041	26/03-86	Ch.Bt.Gneiss	62	07.4	00.3	H
H2/051	Pussellayaya	W1042	28/03-86	Bt.Gneiss	80			D
H1/397	Pidurella	W1043	24/03-86	Bt.Gneiss	30	04.9	01.0	H
H1/403	Kunbukhandana	W1046	28/03-86	Ch.Bt.Gneiss	30		01.9	H
H1/400	Kunbukhandana	W1047	26/03-86	Bt.Gneiss	30		02.6	H
H1/401	Kunbukhandana	W1048	27/03-86	Bt.Gneiss	30		01.6	H
H1/402	Kunbukhandana	W1049	28/03-86	Ch.Bt.Gneiss	63		01.3	H
H2/053	Kunbukhandana	W1050	29/03-86	Bt.Gneiss	31		01.6	H
H2/052	Pussellayaya	W1051	28/03-86	Bt.Gneiss	31	07.1	01.4	H
H1/424	Rattotayaya	W1052	31/03-86	Bt.Gneiss	30		01.8	H

Table A 3-5-2 b Data of Deep Tube Wells Constructed by DANIDA

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

KAMPSAX-KRYGER

IMPLEMENTATION OF RURAL WATER SUPPLY  
AND SANITATION PROGRAMME  
IN NATALE AND POLANNARUWA

532/8 SIEBEL PLACE  
KANDY  
TEL: 08 23156

---

LOCALITY	WELL - NO.	DATE	MAIN STRATA	P M	H M	Q M <sup>3</sup> /H	S M	C
H2/054 Rattotayaya	W1053	30/03-86	Ch.Bt.Gneiss	31	06.1	01.8		H
H2/055 Rattotayaya	W1055	31/03-86	Ch.Bt.Gneiss	31		01.8		H
H2/056 Elahera Para	W1056	01/04-86	Bt.Gneiss	31		01.3		H
H2/057 Elahera Para	W1057	01/04-86	Bt.Gneiss	31		01.4		H

Table A-3-5-3 a WELLS IN THE SAMPLE AREA

Stage	Stage I Section 1						
	1	2	3	4	5	6	7
Well No.	1	2	3	4	5	6	7
Name of Owner	Samadasa	Samadasa	Mimal	Seheviratne	Wijekoon	Ram Banda	Coonarathne
Age of Owner	65	65	27	55	33	70	37
No. of Owner's Family	12	12	7	6	6	6	6
Acreege of Owner's Paddy Field	4	4	0	2.5	2.5	5	5
Construction Period	1950	1950	-	1983	1982	1958	1962
Contractor	Government	Owner	Government	Owner	Owner	Owner	Owner
Cost of Construction	Rs 15,000						
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Type of Well	C. Lining	Pit Well	Pit Well	C. Lining	Pit Well	Stone	Stone
Size	ø2000x6500	ø1500x3000	ø1200x3200	1200x2600x4200	ø900x1700	650x650x3700	ø1200x3800
Groundwater Level	GL-0.50m	GL-0.15m	GL-1.20m	GL-0.70m	GL-0.40m	GL-1.40m	GL-0.30m
No. of Families to be supplied	6	6	-	10	2	4	1
No. of Persons to be supplied	-	-	-	80	8	45	7
Purpose	Bathing	Drinking	Irrigation	Drinking	Bath.	Drinking	Drinking
Consumption							
Drinking in l/day/family	360	180	180	216	180	216	180
Bathing in l/day per capita	130						
Hauling							
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot
Distance in m	20	50	100	100	10	20	80

Source : Feasibility Report on the Rehabilitation of Tank Irrigation Project, 1986

Table A-3-5-3 b WELLS IN THE SAMPLE AREA

Stage	Stage I Section 2							
	1	2	3	4	5	6	7	8
Well No.	1	2	3	4	5	6	7	8
Name of Owner	Kumarihami Yaparathna Lokubanda Abesinghe Bandara Manike Gunawardana Karunaratna Keen Banda							
Age of Owner	70	50	84	48	38	45	38	55
No. of Owner's Family	7	5	8	6	6	6	6	10
Acreege of Owner's Paddy Field	2.5	2.5	2.5	1.0	0	5	5	5
Construction Period	1951	1960	1970	1957	1980	1979	1965	1977
Contractor	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Cost of Construction								
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Type of Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	Brick Lining	Pit Well
Size	ø1000x3000	ø800x850	ø1200x6000	ø1500x3000	ø850x2300	ø1500x3700	1500x1500x9000	ø1200x7500
Groundwater Level	GL-1.80m	GL-0.0m	GL-4.50m	GL-0.30m	GL-0.50m	GL-1.30m	GL-3.00m	GL-3.90m
No. of Families to be supplied	3	8	2	2	1	1	2	5
No. of Persons to be supplied	-	50	14	10	6	6	10	30
Purpose	Drinking	Drinking & Bathing	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking
Consumption								
Drinking in l/day/family	360	108	324	180	180	162	270	450
Bathing in l/day per capita								
Hauling	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot
Container	20	60	40	80	60	20	40	30
Distance in m								

Table A-3-5-3 C WELLS IN THE SAMPLE AREA

Stage	Stage II Section I									
	1	2	3	4	5	6	7	8	9	10
Well No.	1	2	3	4	5	6	7	8	9	10
Name of Owner	Garu	Mulhu Banda Loku Banda Fan Banda	Tikirala Manike	Muthu Banda Bandala	Muthumanika	Jeyasana				
Age of Owner	65	57	45	50	40	38	55	50	65	31
No. of Owner's Family	8	12	7	8	12	7	9	9	6	5
Acraege of Owner's Paddy Field	1.25	2	1	2	2	2	2	2	2	0.5
Construction Period	1960	1958	1958	1958	1958	1983	1958	1980	1958	1960
Contractor	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Cost of Construction										
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Type of Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	Pit Well	C. Lining	Pit Well
Size	ø1600x1850	ø1200x2250	ø1500x3300	ø2300x2000	ø2100x2700	ø800x1900	ø1200x4400	ø900x2700	ø1500x6700	ø1000x5400
Groundwater Level	GL-0.45m	GL-0.45m	GL-1.20m	GL-0.80m	GL-0.60m	GL-1.10m	GL-3.50m	GL-1.90m	GL-2.80m	GL-0.60m
No. of Families to be supplied	5	3	1	1	1	1	2	1	1	2
No. of Persons to be supplied	55	30	7	8	12	7	16	9	150	14
Purpose	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking
Consumption										
Drinking in l/day/family	144	180	198	180	270	216	216	270	180	180
Bathing in l/day per capita				90 - 135						
Hauling										
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot
Distance in m	40	60	15	20	70	60	35	40	40	80

WELLS IN THE SAMPLE AREA

Table A-3-5-3 d

		Stage II Section I						
Stage	Well No.	11	12	13	14	15	16	17
Name of Owner	Seniriratna	Sirisena	Rath Banda	Palingu Manike	Ran Bunda	Tikiri Banda	Lokumenika	
Age of Owner	55	72	35	40	58	67	60	
No. of Owner's Family	9	8	6	2	10	10	3	
Acreege of Owner's Paddy Field	1.5	2	2	2	2	2	2	
Construction Period	1970	1973	1958	1958	1970	1975	1980	
Contractor	Owner	Owner	Government	Owner	Owner	Owner	Owner	
Cost of Construction								
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner	
Type of Well	Pit Well	Pit Well	C. Lining	Pit Well	Pit Well	Pit Well	Pit Well	
Size	ø1800x2500	ø1500x2800	ø1300x3700	ø900x3000	ø1000x2300	ø700x2500	ø800x580	
Groundwater Level	GL-0.30m	GL-0.90m	GL-1.80m	GL-1.00m	GL-0.70m	GL-0.70	GL-0.0m	
No. of Families to be supplied	1	1	25	2	1	4	8	
No. of Persons to be supplied	9	8	125	4	10	20	70	
Purpose	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	
Consumption								
Drinking in l/day/family	450	270	270	126	180	360	180	
Bathing in l/day per capita								
Hauling								
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot	
Distance in m	35	10	80	70	70	30	10	

Table A-3-5-3 e WELLS IN THE SAMPLE AREA

Stage II Section 2										
Stage	1	2	3	4	5	6	7	8	9	10
Well No.	1	2	3	4	5	6	7	8	9	10
Name of Owner	Punchi Banda	William	Kahawatie	Dhanasekera	Bandara	Piyadasa	Dharamasena	Tillakaraten	Tikkiri Banda	Silva
Age of Owner	40	60	45	30	28	60	50	48	43	60
No. of Owner's Family	6	6	8	5	5	10	7	7	8	8
Acreege of Owner's Paddy Field	4	0.25	2.5	1	2	1	2	1.5	1.5	2
Construction Period	1978	1978	1975	1977	1958	1958	1965	1965	1985	1983
Contractor	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Cost of Construction	Rs. 4,000									
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Type of well	C. Lining	Brick Lining	C. Lining	Pit Well	Pit Well	Brick Lining	Pit Well	Pit Well	Pit Well	Pit Well
Size	ø1200x2600	ø1000x3500	1000x1200x4300	1400x1400x5500	ø1500x3800	900x900x2500	ø1300x3200	ø2500x2800	ø1600x2400	1500x1300x3800
Groundwater Level	GL-0.80m	GL-1700	GL-1.30m	GL-4.30m	GL-1.40m	GL-1.00m	GL-1.70m	GL-1.30	GL-1.00m	GL-2.60m
No. of Families to be supplied	1	1	1	3	10	1	10	5	10	4
No. of Persons to be supplied	6	6	8	20	50	10	70	40	125	30
Purpose	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking
Consumption	180	180	225	270	180	270	360	270	180	306
Drinking in l/day/family										
Bathing in l/day per capita										
Hauling										
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot
Distance in m	15	10	10	100	50	50	60	80	80	60

Table A-3-5-3 f WELLS IN THE SAMPLE AREA

		Stage III							
Well No.	1	2	3	4	5	6	7	8	
Name of Owner	James Wijerathne	Pealls	Sundara	Jinadasa	Appuhamy	Siriya	Wijerathne		
Age of Owner	45	50	50	58	75	-	55		
No. of Owner's Family	7	6	5	7	7	-	6		
Acreege of Owner's Paddy Field	3	2.5	2	2	2.5	-	2		
Construction Period	1975	1972	1982	1982	1982	-	1964		
Contractor	Owner	Owner	Government	Government	Government	-	Owner		
Cost of Construction									
Maintenance	Owner	Owner	Owner	Owner	Owner	-	Owner		
Type of Well	Pit Well	Pit Well	Pit Well	C. Lining Handpump	C. Lining Handpump	Pit Well	Pit Well		
Size	ø200x1350	ø300x1500	ø1600x2000	ø1000x1900	ø2000x6000	ø2000x6000	ø1500x2100	ø1100x3400	
Groundwater Level	GL-0.15m	GL-0.0m	GL-0.0m	GL-0.50m	GL-2.40m	GL-2.40m	GL-1.70m	GL-2.20m	
No. of Families to be supplied	25	5	4	3	5	20	Many	3	
No. of Persons to be supplied	250	35	30	35	50	200	Many	30	
Purpose	Drinking	Drinking	Drinking	Drinking	Drinking	Drinking	Bathing	Drinking	
Consumption									
Drinking in l/day/family	180	180	216	270	270	270	270	270	
Bathing in l/day per capita			45				67.5		
Hauling									
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot	
Distance in m	80	40	100	100	50	20	-	60	



Table A-3-5-3 g

WELLS IN THE SAMPLE AREA

Stage	Stage IV							
	1	2	3	4	5	6	7	8
Well No.	1	2	3	4	5	6	7	8
Name of Owner	Dingiri Banda Ram Banda	Leelawathn Banda	Leelawathn Banda	Tripakaratne Appunamy Banda	Pathirana Gunapala	Papadila		
Age of Owner	50	30	33	40	58	52	45	53
No. of Owner's Family	4	6	5	7	5	9	8	6
Acreege of Owner's Paddy Field	2	2	2	2	2	3	2	2
Construction Period	1967	1978	1983	1970	1973	1981	1967	1967
Contractor	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Cost of Construction						Rs. 500		
Maintenance	Owner	Owner	Owner	Owner	Owner	Owner	Owner	Owner
Type of Well	Pit Well	Pit Well	Pit Well	Pit Well	Brick Lining	Pit Well	Pit Well	Brick Lining
Size	ø2200x5900	ø1200x6000	ø750x4200	ø1150x5600	ø600x5200	ø1859x6700	ø1500x2100	1500x1500x1700
Groundwater Level	GL-5.00m	GL-4.50m	GL-2.20m	GL-3.20m	GL-2.00m	GL-4.40m	GL-0.60m	GL-0.20m
No. of Families to be supplied	4	3	2	3	10	10	20	10
No. of Persons to be supplied	18	16	12	16	60	75	160	28
Purpose	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking	Drinking
Consumption								
Drinking in l/day/family	216	216	270	360	270	216	360	270
Bathing in l/day per capita	112	112				157		
Hauling								
Container	Pot	Pot	Pot	Pot	Pot	Pot	Pot	Pot
Distance in m	25	30	25	35	15	18	20	80

Table A-3-5-3 h

## WELLS IN THE SAMPLE AREA

		Nagadeepa									
Stage	Well No.	1	2	3	4	5	6	7	8	9	10
Name of Owner				School	School					Ukku Banda Heen Banda	
Age of Owner										55	45
No. of Owner's Family										10	7
Acreage of Owner's Paddy Field										2	4
Construction Period	1970	1972	1972	1972	1973	1972	1982	1979	1979	1981	1972
Contractor	Owner	Government	Government	Government	Government	Government	Government	Government	Owner	Government	Government
Cost of Construction											
Maintenance	Owner				School		School		Owner	Owner	Owner
Type of Well	Pit Well	C. Lining	C. Lining	C. Lining	C. Lining	C. Lining	C. Lining	Pit Well	Pit Well	C. Lining	C. Lining
Size	1400x1400x3300	ø1800x9000	ø1800x7500	ø1800x9000	ø1800x9000	ø1800x7500	ø1800x12000	ø1500x3850	ø1500x3900	ø1500x9200	ø1500x7200
Groundwater Level	GL-2.50m	GL-2.50m	GL-6.30m	GL-6.30m		GL-6.30m	GL-7.00m	GL-3.60m	GL-1.50m	GL-4.20m	GL-4.40m
No. of Families to be supplied	5	20	14	14		14		15	6	15	25
No. of Persons to be supplied	35	350	150	150		150		100	40	175	175
Purpose	Drinking & Bathing	Drinking	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking & Bathing	Drinking	Drinking	Drinking	Drinking
Consumption											
Drinking in l/day/family	360	225							450	180	180
Bathing in l/day per capita	112		51	51							
Hauling											
Container	Pot	Pot	Pot	Pot		Pot		Pot	Pot	Pot	Pot
Distance in m	30	40 - 100	40 - 100	40 - 100		40 - 100		100 - 200	140	60	120

Table A-3-5-4 a

WATER QUALITY OF THE MAIN CANALDate : 10<sup>th</sup> July, 1985

Stage	I										II				
	Anicut	D3A	D13	D21	D26	D31	D35	D43	D47	D1	D8	D13	D23	D28	
Station	0	3.9	8.8	13.4	16.1	18.5	23.0	25.8	28.0	32.3	35.7	38.1	42.0	46.5	
Distance in km	9:10	9:23	9:52	10:07	10:17	10:27	10:37	10:49	10:59	9:00	9:20	9:35	9:45	10:00	
Time	23.0	23.2	23.3	23.3	25.0	25.2	25.5	26.0	26.0	27.0	27.1	27.1	28.7	29.3	
Temperature in Centigrade of Water	7.95	8.1	8.6	9.1	9.1	9.2	7.8	7.7	7.6	7.7	7.6	7.7	8.1	7.65	
pH range	76	81	86	95	99	84	85	85	88	110	110	120	110	110	
E.Con. in micromhos/cm	3	3	5	5	5	5	5	6	6	15	10	10	5	5	
COD in mg/l	0	0	0	0	0	0	3	2	2	3	3	0	0	0	
E.Coli. in No./ml															

Stage	III					IV			
	D34	Heen Ganga	D41	D50	D56	Kumbukkandana	Fussellayaya	Hanungama	
Station	49.1	51.0	52.9	57.0	63.0	65.0	67.0	72.0	
Distance in km	10:00	9:30	9:42	9:58	10:15	10:27	10:40	10:57	
Time	29.6	25.6	28.0	30.0	32.0	29.0	28.6	29.7	
Temperature in Centigrade of Water	7.7	8.1	7.5	7.4	8.4	7.4	8.1	7.6	
pH range	105	88	85	95	450	150	460	85	
E.Con. in micromhos/cm	∞	3	5	10	12	12	10	10	
COD in mg/l		∞	∞	8	∞	∞	∞	∞	
E.Coli. in No./ml									

Source : Feasibility Report on the Rehabilitation of Tank Irrigation Project, 1986

Table A-3-5-4 b

## WATER QUALITY OF WELLS - MINIPE SCHEME

Well No.	Stage I Section 1					Stage I Section 2				
	1	4	5	6	7	1	3	5	7	
Temperature of Water in Centigrade	22.5	22.5	23.5	24.0	24.0	23.5	24.0	24.0	24.0	
Discolouration in unit <sup>a</sup>	18	29	60	8	22	95	26	8		
Turbidity in unit <sup>b</sup>	4	12	16	2	8	30	12	1		
pH range	6.9	7.0	6.6	6.9	6.7	6.5	7.0	7.0		
EC in micromhos/cm	130	300	162	278	140	165	125	200		
COD in mg/l	6	8	2	4	5	20	7	4		
Nitrous-N in mg/l	<0.006	0.015	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	
Nitrate-N in mg/l	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	
Ammonia-N in mg/l	<0.4	0.8	<0.4	<0.4	<0.4	0.8	<0.4	<0.4	<0.4	
Total Hardness in mg/l CaCO <sub>3</sub>	80	250	100	200	80	100	70	100		
Chloride in mg/l	50	65	70	90	35	40	50	30		
Copper in mg/l	<0.5	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Iron in mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	<0.2	<0.2	
Bacteria in MPN per ml	∞	∞	∞	∞	∞	252	124	∞		
Escherichia Coli in MPN per ml	∞	∞	∞	∞	∞	∞	∞	∞	∞	

<sup>a</sup>On the platinum-cobalt scale<sup>b</sup>Turbidity units

Table A-3-5-4 c

## WATER QUALITY OF WELLS - MINIPE SCHEME

Well No.	Stage II Section 1					Stage II Section 2				
	5	8	14	17	10	3	4	7	10	
Temperature of Water	23.0	23.5	23.5	24.5	23.0	23.5	23.5	23.5	23.0	
Discolouration in unit <sup>a</sup>	30	35	16	2	2	30	25	57	27	
Turbidity in unit <sup>b</sup>	8	8	2	1	5	5	2	22	4	
pH range	6.7	6.8	6.9	6.5	6.7	6.7	6.9	6.9	7.0	
EC in micromhos/cm	130	120	235	160	320	320	120	135	200	
COD in mg/l	18	3	2	8	5	5	5	5	2	
Nitrous-N in mg/l	<0.006	<0.006	0.015	<0.006	<0.006	<0.006	0.015	<0.006	<0.006	
Nitrate-N in mg/l	<0.23	<0.23	1.15	<0.23	0.46	0.46	0.46	<0.23	<0.23	
Ammonia-N in mg/l	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
Total Hardness in mg/l CaCO <sub>3</sub>	50	55	100	70	200	100	100	100	100	
Chloride in mg/l	40	20	40	20	40	50	35	30	30	
Copper in mg/l	3.0	1.0	1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
Iron in mg/l	<0.2	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	0.5	<0.2	
Bacteria in MPN per ml	∞	∞	∞	∞	∞	∞	∞	∞	∞	
Escherichia Coli in MPN per ml	∞	∞	∞	20	∞	∞	107	∞	∞	

<sup>a</sup>On the platinum-cobalt scale<sup>b</sup>Turbidity units

Table A-3-5-4 d

## WATER QUALITY OF WELLS - MINIPE SCHEME

Well No.		Stage III						Stage IV					
		1	3	5	8	1	4	6	7	1	4	6	7
Temperature of Water	in Centigrade	29.3	27.4	32.4	28.1	24.0	24.5	24.5	24.5	24.0	24.5	24.5	24.5
Discolouration	in unit <sup>a</sup>	10	5	20	10	4	4	2	2	4	4	2	2
Turbidity	in unit <sup>b</sup>	15	2	20	10	8	10	2	50	8	10	2	50
pH range		6.4	6.4	6.8	6.9	6.3	6.9	6.8	6.6	6.3	6.9	6.8	6.6
EC	in micromhos/cm	135	125	215	145	200	335	405	340	200	335	405	340
COD	in mg/l	200	90	200	90	5	50	4	5	5	50	4	5
Nitrous-N	in mg/l	<0.006	<0.006	<0.006	<0.006	0.03	0.015	0.015	<0.006	0.03	0.015	0.015	<0.006
Nitrate-N	in mg/l	<0.23	<0.23	<0.23	<0.23	1.15	0.46	1.15	0.46	1.15	0.46	1.15	0.46
Ammonia-N	in mg/l	<0.4	0.8	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Total Hardness	in mg/l CaCO <sub>3</sub>	100	100	200	150	100	250	300	250	100	250	300	250
Chloride	in mg/l	30	25	20	25	25	75	65	50	25	75	65	50
Copper	in mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Iron	in mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.5	<0.2	<0.2	0.5	0.5
Bacteria	in MPN per ml	∞	46	90	∞	∞	∞	104	∞	∞	∞	104	∞
Escherichia Coli	in MPN per ml	∞	∞	∞	∞	∞	∞	6	∞	∞	∞	6	∞

<sup>a</sup>On the platinum-cobalt scale<sup>b</sup>Turbidity units

Table A-3-5-4 e WATER QUALITY OF WELLS - NAGADEEPA SCHEME

Well No.		2	8	9	10	Nagadeepa Tank
Temperature of Water	in Centigrade	24.0	24.0	23.0	23.0	22.0
Discolouration	in unit <sup>a</sup>	24	45	10	10	48
Turbidity	in unit <sup>b</sup>	2	13	2	3	8
pH range		6.9	7.2	6.9	7.0	8.2
EC	in micromhos/cm	120	235	160	320	130
COD	in mg/l	3	2	8	5	18
Nitrous-N	in mg/l	<0.006	0.015	<0.006	<0.006	<0.006
Nitrate-N	in mg/l	<0.23	1.15	<0.23	0.46	<0.23
Ammonia-N	in mg/l	0.4	0.4	0.4	0.4	0.8
Total Hardness	in mg/l CaCO <sub>3</sub>	150	255	205	110	200
Chloride	in mg/l	50	60	85	55	45
Copper	in mg/l	<0.5	<0.5	<0.5	<0.5	<0.5
Iron	in mg/l	<0.2	<0.2	<0.2	<0.2	<0.2
Bacteria	in MPN per ml	∞	92	120	112	188
Escherichia Coli	in MPN per ml	∞	∞	∞	∞	18

<sup>a</sup>On the platinum-cobalt scale

<sup>b</sup>Turbidity units

Table A-3-5-5 a Water Quality of Deep Tube Wells Constructed by DANIDA  
 CHEMICAL ANALYSIS OF FIRST 1000 WELLS

VILLAGE NAME	WELL NO.	DATE COLLECTED	LAB REF	E.C. $\mu\text{hos/cm}$	pH	CO2 $\text{mg/l}$	O2 $\text{mg/l}$	Fe(tot) $\text{mg/l}$	Ca++ $\text{mg/l}$	SO4-- $\text{mg/l}$	F- $\text{mg/l}$	Hardness	Water-quality
EULATHATTANA	W1001	12.06.86	1078-L	670.	6.7	ND	ND	0.9	116.	6.	0.4	243.	(2)
EULATHATTANA	W1001	12.06.86	1078-L	670.	6.7	ND	ND	0.9	116.	6.	0.4	243.	(2)
EULATHATTANA	W1002	12.06.86	1079-L	690.	6.1	ND	ND	1.0	92.	10.	0.5	166.	(2)
EULATHATTANA	W1002	12.06.86	1079-L	690.	6.1	ND	ND	1.0	92.	10.	0.5	166.	(2)
UNAGOLLA	W1003	08.09.86	1274-L	400.	6.3	74.	2.0	0.2	88.	4.	0.2	168.	(2)
KUGAGOLLA	W1006	10.09.86	1284-L	270.	6.1	92.	2.0	0.1	34.	ND	0.3	88.	(2)
KUGAGOLLA	W1007	08.09.86	1275-L	250.	6.1	98.	2.1	0.1	36.	0.	0.2	88.	(2)
KUGAGOLLA	W1008	08.09.86	1276-L	400.	6.3	56.	2.0	0.1	94.	0.	0.2	182.	(2)
KUGAGOLLA	W1009	08.09.86	1277-L	620.	6.4	56.	2.7	0.0	88.	2.	0.5	198.	(2)
KUGAGOLLA	W1011	12.06.86	1081-L	500.	6.1	ND	ND	0.1	96.	6.	0.6	172.	(2)
KUGAGOLLA	W1011	12.06.86	1081-L	500.	6.1	ND	ND	0.1	96.	6.	0.6	172.	(2)
DEKAGIRIYA	W1012	12.06.86	1080-L	830.	6.7	ND	ND	0.2	127.	10.	3.0	281.	(2)
DEKAGIRIYA	W1012	12.06.86	1080-L	830.	6.7	ND	ND	0.2	127.	10.	3.0	281.	(2)
DEKAGIRIYA	W1013	12.06.86	1082-L	590.	6.2	ND	ND	1.0	100.	10.	1.1	189.	(2)
DEKAGIRIYA	W1013	12.06.86	1082-L	590.	6.2	ND	ND	1.0	100.	10.	1.1	189.	(2)
DEKAGIRIYA	W1014	12.06.86	1083-L	510.	5.5	ND	ND	0.1	51.	4.	0.4	118.	(2)
DEKAGIRIYA	W1014	12.06.86	1083-L	510.	5.5	ND	ND	0.1	51.	4.	0.4	118.	(2)
DEKAGIRIYA	W1015	10.09.86	1285-L	860.	6.9	36.	2.0	0.4	158.	28.	1.3	324.	(4)
SURUKELAYAYA	W1016	10.09.86	1286-L	360.	6.2	92.	2.2	0.2	70.	4.	0.6	158.	(2)
ALIYAKALAYAYA	W1017	10.09.86	1287-L	650.	6.7	38.	2.1	1.2	134.	18.	0.8	288.	(3)
ALIYAKALAYAYA	W1018	10.09.86	1288-L	430.	6.7	58.	2.7	0.1	68.	4.	1.0	132.	(2)
ALIYAKALAYAYA	W1019	10.09.86	1289-L	600.	6.7	48.	2.7	0.1	142.	10.	1.3	256.	(2)
ALIYAKALAYAYA	W1020	10.09.86	1290-L	390.	6.6	94.	2.8	0.0	32.	ND	0.7	72.	(2)
SURUKELAYAYA	W1021	10.09.86	1291-L	310.	5.6	102.	2.0	0.4	24.	2.	0.2	58.	(2)
ROGAHAKENA	W1022	12.06.86	1084-L	310.	5.4	ND	ND	0.6	39.	10.	0.2	69.	(2)
ROGAHAKENA	W1022	12.06.86	1084-L	310.	5.4	ND	ND	0.6	38.	10.	0.2	68.	(2)
ROGAHAKENA	W1023	12.06.86	1085-L	700.	6.5	ND	ND	0.8	148.	12.	1.1	248.	(2)
ROGAHAKENA	W1023	12.06.86	1085-L	700.	6.5	ND	ND	0.8	148.	12.	1.1	248.	(2)
ROGAHAKENA	W1023	10.09.86	1292-L	680.	7.1	38.	2.4	0.3	134.	10.	0.9	264.	(4)

NOTES :

F = Field analysis  
 L = Laboratory analysis  
 ND = Not determined  
 Hardness = Total hardness

WATER QUALITY CLASSIFICATION :

- (1) High natural Fe content ( $>1.0 \text{ mg/l}$ ).
- (2) Aggressive water ( $\text{CO}_2 > 100 \text{ mg/l}$  and/or  $\text{pH} < 6.7$ )
- (3) High natural Fe plus aggressive water
- (4) No iron problem



Table A-3-5-5 b Water Quality of Deep Tube Wells Constructed by DANIDA  
CHEMICAL ANALYSIS OF FIRST 1000 WELLS

VILLAGE NAME	WELL NO.	DATE COLLECTED	LAB REF	E.C. $\mu\text{hos/cm}$	pH	CO <sub>2</sub> $\text{mg/l}$	O <sub>2</sub> $\text{mg/l}$	Fe(tot) $\text{mg/l}$	Ca <sup>++</sup> $\text{mg/l}$	SO <sub>4</sub> <sup>--</sup> $\text{mg/l}$	F <sup>-</sup> $\text{mg/l}$	Hardness	Water-quality
ANGUNAKOLAPITIYA	W1024	09.09.86	1283-L	430.	6.5	70.	3.0	0.6	68.	10.	0.6	136.	(2)
NUGAGOLLA	W1027	08.09.86	1279-L	145.	6.3	88.	3.0	0.1	28.	0.	8.0	54.	(2)
NUSASOLLA	W1028	09.09.86	1278-L	130.	6.0	98.	2.7	0.4	26.	0.	8.0	60.	(2)
UNAGOLLA	W1029	09.09.86	1273-L	680.	6.5	68.	3.0	0.1	102.	2.	0.2	236.	(2)
RADUNNEHEWA	W1031	10.09.86	1293-L	350.	6.4	58.	2.0	0.0	32.	ND	1.3	72.	(2)
RADUNNEHEWA	W1032	10.09.86	1294-L	470.	6.3	78.	2.0	2.6	60.	6.	1.1	130.	(3)
RADUNNEHEWA	W1033	16.09.86	1295-L	240.	5.9	104.	2.0	0.0	28.	ND	0.6	48.	(2)
RADUNNEHEWA	W1034	10.09.86	1296-L	250.	5.7	98.	2.2	0.1	36.	ND	0.2	70.	(2)
ANGUNAKOLAPITIYA	W1035	08.09.86	1280-L	280.	5.9	106.	2.0	0.4	44.	0.	0.4	96.	(2)
ANGUNAKOLAPITIYA	W1036	08.09.86	1282-L	630.	6.6	58.	2.0	0.2	108.	10.	1.9	210.	(2)
ANGUNAKOLAPITIYA	W1037	08.09.86	1281-L	250.	5.9	106.	3.0	0.1	54.	0.	0.2	184.	(2)
SEMURUOYA	W1038	12.09.86	1298-L	550.	6.4	76.	2.0	0.6	76.	ND	1.1	186.	(2)
SEMURUOYA	W1039	12.09.86	1299-L	350.	6.0	104.	1.0	0.6	52.	ND	0.6	104.	(2)
FUSSELLAYAYA	W1040	12.09.86	1302-L	410.	6.5	82.	2.0	0.6	84.	2.	0.4	166.	(2)
FUSSELLAYAYA	W1041	12.09.86	1301-L	370.	6.2	92.	3.0	0.1	70.	ND	1.0	130.	(2)
PIDURELLA	W1043	10.09.86	1297-L	380.	6.2	78.	2.1	0.2	34.	ND	0.5	78.	(2)
KUMBUKKANDANA	W1046	12.09.86	1302-L	580.	6.5	58.	2.6	0.3	84.	6.	0.2	190.	(2)
KUMBUKKANDANA	W1047	12.09.86	1303-L	780.	7.1	50.	3.6	0.0	103.	0.	1.9	282.	(4)
KUMBUKKANDANA	W1048	12.09.86	1304-L	720.	7.1	50.	3.1	0.1	106.	ND	1.7	211.	(4)
KUMBUKKANDANA	W1049	12.09.86	1305-L	330.	6.2	78.	3.0	0.2	66.	ND	0.5	128.	(2)
KUMBUKKANDANA	W1050	12.09.86	1306-L	320.	6.2	100.	1.0	0.7	48.	ND	0.6	102.	(2)
FUSSELLAYAYA	W1051	12.09.86	1307-L	350.	6.1	102.	2.0	0.6	54.	ND	0.7	104.	(2)
RATTOTAYAYA	W1052	12.09.86	1303-L	250.	6.1	90.	1.9	0.4	32.	1.	ND	70.	(2)
RATTOTAYAYA	W1053	12.09.86	1309-L	320.	6.2	88.	2.0	0.0	40.	2.	0.5	90.	(2)

NOTES :  
F = Field analysis  
L = Laboratory analysis  
ND = Not determined  
Hardness = Total hardness

WATER QUALITY CLASSIFICATION :  
(1) High natural Fe content (>1.0 mg/l)  
(2) Aggressive water (CO<sub>2</sub>>100mg/l and/or pH<6.7)  
(3) High natural Fe plus aggressive water  
(4) No iron problem

Table A-3-5-5 c Water Quality of Deep Tube Wells Constructed by DANIDA

CHEMICAL ANALYSIS OF FIRST 1000 WELLS

VILLAGE NAME	WELL NO.	DATE COLLECTED	LAB REF	E.C. mhos/cm	pH	CO2 mg/l	O2 mg/l	Fe(tot) mg/l	Ca++ mg/l	SO4-- mg/l	F- mg/l	Hardness	Water-quality
RATTOTAYAYA	W1054	12.09.86	1310-L	200.	5.9	110.	2.2	0.2	22.	ND	0.1	50.	(2)
ELANERA PARA	W1056	12.09.86	1311-L	260.	6.0	98.	1.9	0.2	20.	ND	0.5	66.	(2)
ELANERA PARA	W1057	12.09.86	1312-L	300.	6.2	90.	2.0	0.1	30.	2.	0.6	76.	(2)

NOTES :

F = Field analysis  
 L = Laboratory analysis  
 ND = Not determined  
 Hardness = Total hardness

WATER QUALITY CLASSIFICATION :

- (1) High natural Fe content (>1.0 mg/l)
- (2) Aggressive water (CO2 > 100 mg/l and/or pH < 6.7)
- (3) High natural Fe plus aggressive water
- (4) No iron problem

Table A 3-5-6 a

## ANNUAL NUMBER OF PATIENTS - MINIPE SCHEME (1984)

	Ambagahapalassa Hospital		Minipe Hospital		Central Dispensary		Kolongoda Hospital		Hettipola Government Hospital	
	In-patients	Out-patients	In-patients	Out-patients	In-patients	Out-patients	In-patients	Out-patients	In-patients	Out-patients
<b>Water Borne Infections</b>										
Cholera	-	-	-	-	-	-	-	-	-	-
Typhoid	-	-	3	-	-	16	-	20	-	-
Dysentery	100	500	60	400			180	78		
Diarrhoea			100	500			300	293		
Shigelosis			50	100			-	90		
Others	-	-	80	300			16	68		
<b>Water Related Diseases</b>										
Malaria	288	333	400	700	-	100	400	284	-	-
Filariasis	-	-	-	-	-	-	-	-	-	-
Schistosomiasis	-	-	-	-	-	-	-	-	-	-
Trachoma	-	-	-	-	-	-	-	-	-	-
Pneumonia	174	200	50	-	30	16	-	43	10	5
Tuberculosis	-	6	2	-	4	-	-	10	-	-
Cancer	-	-	10	-	2	-	-	5	-	-
Stomach Ulcer	24	25	50	-	8	8	-	24	-	-
Inflammation of Intestines	-	-	25	-	200	24	100	-	-	-
Influenza	120	1,000	300	800	8,000	20	600	304	-	-
Veneral Disease	-	-	-	-	10	-	-	-	-	-
Others	-	-	-	-	12,746	-	-	2,271	-	-
<b>Total</b>	<b>711</b>	<b>2,064</b>	<b>1,130</b>	<b>2,800</b>	<b>23,400</b>	<b>200</b>	<b>1,580</b>	<b>4,500</b>	<b>15,000</b>	

Source : Feasibility Report on the Rehabilitation of Tank Irrigation Project, 1986

Table A-3-5-6 b ANNUAL NUMBER OF PATIENTS - NAGADEEPA SCHEME

	(1984)
Central Dispensary	
Outpatients	
<b>Water Borne Infections</b>	
Cholera	-
Typhoid	20
Dysentery	50
Diarrhoea	500
Shigelosis,	50
Others	500
<b>Water Related Diseases</b>	
Malaria	300
Filariasis	35
Schistosomiasis	-
Trachoma	-
Pneumonia	100
Tuberculosis	27
Cancer	1
Stomach Ulcer	150
Inflammation of Intestines	150
Influenza	80
Venereal Disease	3
<b>Total</b>	<b>1,966</b>

Table A3-6-1 Result of the Soil Test (1)

SAMPLE NO.	M-1	M-2	M-3	M-4	M-5	M-6	M-7	M-8	M-9	M-10
UNIFIED CLASSIFICATION	SC	SC	SC	SC	CL	CL	SC	CL	SM	SM
LIQUID LIMIT	23.0	19.1	20.9	23.6	30.3	26.1	36.5	47.4	20.3	20.4
PLASTIC LIMIT	14.1	12.0	13.7	13.7	17.2	15.2	19.8	21.3	16.4	17.4
PLASTICITY INDEX	8.9	7.1	7.2	9.9	13.1	10.9	16.7	26.1	39	30
% CLAY <0.002mm	11	05	10	10	20	10	16	37	12	07
% SILT 0.002 - 0.074mm	25	11	19	25	34	41	30	47	22	23
% FINE SAND 0.074 - 0.42mm	32	19	20	21	15	16	20	11	37	31
% MEDIUM SAND 0.42 - 2.0mm	29	53	39	35	26	20	24	03	26	35
% COARSE SAND 2.0 - 4.76mm	03	11	12	09	05	12	09	02	03	30
% GRAVEL >4.76mm	-	01	-	-	-	01	01	-	-	-
% PASS NO.4 MESH	100	99	100	100	100	99	99	100	100	100
% PASS NO.200 MESH	36	16	29	35	54	51	46	84	34	30
CBR VALUE IN-SITU (%)	-	-	-	-	-	-	65.1	-	-	-
MOISTURE CONTENT (%)	-	-	-	-	-	-	6.2	-	-	-
CBR VALUE AFTER SOAKING (%)	-	-	-	-	13.7	43.7	57.3	-	-	-
MOISTURE CONTENT (%)	-	-	-	-	17.8	13.5	8.6	-	-	-
DRY DENSITY (g/cm <sup>3</sup> )	-	-	-	-	1.94	1.96	2.15	-	-	-
OPTIMUM MOISTURE CONTENT (%)	-	-	-	-	-	-	-	-	-	-
MAXIMUM DRY DENSITY (g/cm <sup>3</sup> )	-	-	-	-	-	-	-	-	-	-
DESIGN C.B.R. (%)	-	-	-	-	-	-	-	-	-	-
REMARKS										

MECHANICAL ANALYSIS

Table A3-6-1 Result of the Soil Test (2)

SAMPLE NO.	N-1	N-2	N-3	N-4	N-5	Hasalaka	Handun-gamuwa	Kakal Tanna	Kuda Lumuka
UNIFIED CLASSIFICATION	CL	SC	SM	SM/SC	SC	-	SC	SC	-
LIQUID LIMIT	43.2	25.7		22.6	32.0	-	46	44	-
PLASTIC LIMIT	20.2	15.2	NP	16.4	19.1	-	35	30	-
PLASTICITY INDEX	23.0	10.5		6.2	12.9	-	11	14	-
% CLAY <0.002mm	33	16	07	09	15	-	14	20	-
% SILT 0.002 - 0.074mm	26	23	15	24	23	-	14	20	-
% FINE SAND 0.074 - 0.42mm	23	43	31	41	32	-	9	26	-
% MEDIUM SAND 0.42 - 2.0mm	18	18	41	22	25	-	20	18	-
% COARSE SAND 2.0 - 4.76mm	-	-	05	04	04	-	26	24	-
% GRAVEL >4.76mm	-	-	01	-	01	-	31	12	-
% PASS NO.4 MESH	100	100	99	100	100	-	69	88	-
% PASS NO.200 MESH	59	39	22	33	38	-	14	20	-
CBR VALUE IN-SITU (%)	43.9	-	51.8	-	-	-	-	-	-
MOISTURE CONTENT (%)	11.0	-	7.3	-	-	-	-	-	-
CBR VALUE AFTER SOAKING (%)	4.4	-	-	-	-	-	-	-	-
MOISTURE CONTENT (%)	22.0	-	-	-	-	-	-	-	-
DRY DENSITY (g/cm <sup>3</sup> )	1.78	-	1.91	-	-	-	-	-	-
OPTIMUM MOISTURE CONTENT (%)	-	-	-	-	-	-	12	16	-
MAXIMUM DRY DENSITY (g/cm <sup>3</sup> )	-	-	-	-	-	-	1.89	1.76	-
DESIGN C.B.R. (%)	-	-	-	-	-	50	29	8	24
REMARKS						by RDA	by RDA	by RDA	by RDA

MECHANICAL ANALYSIS

Table A 3-7-1a Social Infrastructure ( Stage I )

Item	Location	Description
Office of the member of Parliament	1. Hasalaka	1 M.P., 2 secretaries, 3 clerks
Office of the Asst. Government Agent	1. Hasalaka	1 Asst. Govt. Agent, 33 officers 6 staff
Rest House	1. Hasalaka	1 keeper
Sub office of the Development Council	1. Hasalaka	1 representative, 2 officers 5 staff
Dispensary, Indigenous Medicine	1. Hasalaka	2 officers
Library	1. Hasalaka	2 officers
Office of the Agricultural Authority	1. Hasalaka	1 manager, 1 clerk
Police Station	1. Hasalaka	-
Circuit Magistrate's Court	1. Hasalaka	1 Magistrate, 4 staff
Office of the Irrigation Engineer	1. Hasalaka	1 engineer, 9 assistants, 52 staff
Circuit Bungalow, Irrigation	1. Hasalaka	1 keeper
Office of the Circuit Inspector, school	1. Hasalaka	1 inspector, 1 staff
Office of the Beat Forest Officer	1. Hasalaka	1 beat forest officer
Office of the Veterinary Surgeon	1. Hasalaka	1 veterinary surgeon, 5 staff
Office of the Colonization Officer	1. Hasalaka	1 colonization officer, 1 staff
Seed Distribution Centre	1. Hasalaka	1 agriculture inspector, 2 staff
Rural Hospital	1. Morayaya 2. Ambagahapelessa	4 officers, 19 staff 1 officer, 12 staff
Central Dispensary, Medicine	1. Hasalaka	1 asst. medical practitioner 2 dispensers, 1 staff
Dispensary, Indigenous Medicine	1. Hasalaka	1 doctor, 2 staff
Rice Mill Complex	1. Hasalaka	2 officers, 15 labourers
Rice Store Complex	1. Pallewatta 2. Morayaya	5 officers, 7 labourers 2 officers, 8 staff
Rice Mill	1. Morayaya 2. Gurulupotha 3. - do - 4. Morayaya 5. Morayaya 6. Morayaya	1 manager, 5 labourers 1 manager, 2 labourers 1 manager, 5 labourers 1 manager, 1 officer, 12 labourers 1 manager, 1 officer, 5 labourers 1 manager, 2 officers, 12 labourers

Table A 3-7-1 b Social Infrastructure ( Stage I )

Item	Location	Description
Rice Mill	7. Weragantota 8. Weragantota	1 manager, 1 officer, 8 labourers 1 manager, 3 officers, 4 labourers
Textile Weaving Centre	1. Pallewatta 2. Handaganawa 3. Ambagahapelessa	2 officers, 15 trainees 1 instructor, 3 trainees 1 inspector, 3 trainees
Timber Depot	1. Hasalaka	2 store keepers, 5 staff
Concrete Products Factory	1. Weragantota	3 officers, 45 staff
Office of the Colonization Officer	1. Morayaya	3 officers
Office of the Divisional Officer	1. Morayaya	1 officer, 6 staff
Raidenigala Development Project	1. Rantembe	30 expatriate (engineers, mechanics, etc.)
Township (Bazaar)	1. Hasalaka 2. Morayaya	shops, boutiques, restaurants - do -, 25 workmen
Multi-purpose Coop	1. Hasalaka	1 chairman, 20 officers, 36 staff
Selling Centre	1. Hasalaka	11 workers
M.P.C.S. Ltd.	1. Weragantota	1 chairman, 11 officers, 41 staff
Village Fair	1. Hasalaka 2. Morayaya	- 25 traders
Coop Trading Centre	1. Weragantota 2. Handaganawa 3. Ambagahapelessa	1 manager, 2 assistants 1 manager, 1 assistant 1 manager, 1 assistant
Cooperative Selling Centre	1. Hasalaka 2. Pallewatta 3. Gurulupotha	1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant
Bank	1. Hasalaka 2. Hasalaka 3. Hasalaka	1 manager, 18 officers, 4 staff 1 manager, 11 officers, 4 staff 3 managers, 4 officers, 7 staff
Post Office	1. Hasalaka 2. Handaganawa	1 master, 2 assistants, 9 staff 1 master, 1 staff
Sub Post Office	1. Gurulupotha 2. Morayaya 3. Ambagahapelessa 4. Randenigala	1 master 1 master, 3 staff 1 master 1 master, 1 officer
Central College	1. Hasalaka	38 teachers, 940 students
Senior School	1. Morayaya 2. Handaganawa	44 teachers, 1112 students 24 teachers, 914 students
Carpentry School	1. Morayaya	1 inspector, 25 trainees
Junior School	1. Pallewatta 2. Gurulupotha 3. Morayaya 4. Ambagahapelessa	20 teachers, 636 students 4 teachers, 61 students 3 teachers, 184 students 8 teachers, 425 students



Table A 3-7-1c Social Infrastructure ( Stage I )

Item	Location	Description
Junior School	5. Ambegahapelessa 6. Ambegahapelessa	22 teachers, 887 students 1 teachers, 60 students
Ranbukwella Primary School	1. Morayaya	6 teachers, 221 students
Buddist Temple	1. Pallewatta 2. Morayaya 3. Bulathwelkandura 4. Handaganawa 5. Handaganawa 6. Handaganawa	2 monks 1 monk 1 monk 1 monk 1 monk 1 monk
Aramaya	1. Hasalaka	2 nuns
Ceylon Transport Board	1. Hasalaka 2. Hasalaka	1 depot supt., 9 officers, 143 staff 1 store keeper, 15 staff

Table A 3-7-1d Social Infrastructure ( Stage II )

Item	Location	Description
Office of the Colonization Officer	1. Ulpothagama	2 officers
Office of the Gut. Farm Manager	1. Ulpothagama	1 manager, 2 assistants, 42 staff
Office of the Divisional Officer, Agrarian Services	1. Ulpothagama	1 officer, 3 staff
Sub Post Office	1. Hasalaka 2. Thorapitiya 3. Ulpothagama 4. Udawela 5. Kolongoda 6. Dehemigama 7. Batumulla	1 master, 1 staff 1 master 1 master 1 master 1 master 1 master 1 master
Junior Technical Collage	1. Hasalaka	8 instructors, 13 staff
Senior School	1. Ulpothagama 2. Udawela 3. Kolongoda	32 teachers, 874 students 52 teachers, 1564 students 52 teachers, 1464 students
Junior School	1. Keenaplessa 2. Mahaesseduma 3. Welgahawadiya 4. Meegolla 5. Batumulla 6. Udagaladebokka 7. Galamuduna	20 teachers, 527 students 11 teachers, 362 students 4 teachers, 52 students 19 teachers, 557 students 6 teachers, 142 students 5 teachers, 78 students 3 teachers, 24 students
Cooperative Selling Centre	1. Hasalaka 1. Hasalaka	1 manager, 2 assistants 1 manager, 2 assistants
Cooperative Trading Centre	1. Hasalaka 2. Mahayaya 3. Ulpothagama 4. Udawela 5. Kolongoda 6. Meegolla 7. Dehemigama 8. Hibusuwa 9. Heenganga 10. Udattawa	1 manager, 2 assistants 1 manager, 2 assistants 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant 1 manager, 1 assistant
Bazaar	1. Udawela 2. Kolongoda	20 salesmen 20 salesmen
Village Fair	1. Kolongoda	50 traders
boutiques	1. Batumulla	3 salesmen
Textile Weaving Centre	1. Mahayaya	1 instructor, 4 trainees
Buddhist Temple	1. Mahaesseduma 2. Mahaesseduma 3. Thorapitiya 4. Ulpothagama	2 monks 1 monk 1 monk 1 monk

Table A 3-7-1e Social Infrastructure ( Stage II )

Item	Location	Description
Buddhist Temple	5. Ulpothagama 6. Barawardhanaoya 7. Meegolla 8. Dambagahawela 9. Kolongoda 10. Batumulla	1 monk 1 monk 1 monk 1 monk 1 monk 1 monk
Jumma House (Muslim)	1. Kindigoda	1 priest
Rural Hospital	1. Kolongoda 2. Batumulla	1 medical practitioner, 13 staff 1 medical prectitioner, 7 staff

Table A 3-7-1f Social Infrastructure ( Stage III, IV )

Item	Location	Description
Post Office	1. Sonutta	1 master, 1 postman
	2. Perakanatta	1 master, 1 postman
	3. Wilgamuwa	1 master, 6 postmen
	4. Dewagiriya	1 master, 1 postman
	5. Ladiangala	1 master, 1 postman
	6. Maraka	1 master, 4 postmen
	7. Hadungamuwa	1 master, 4 postmen
	8. Dunuwilapitiya	1 master, 1 postman
Primary School	1. Sonutta	7 teachers
	2. Imaduweyaya	2 teachers
	3. Mahawatenna	5 teachers
	4. Kekelatenna	2 teachers
	5. Wilgamuwa	4 teachers
	6. Bogahawewa	2 teachers
	7. Ladiangala	4 teachers
	8. Pussellaoya	2 teachers
	9. Mendakanda	4 teachers
	10. Radunnewewa	2 teachers
Senior School	1. Naminioya	32 teachers
	2. Nugagolla	20 teachers
	3. Hadungamuwa	18 teachers
	4. Maraka	22 teachers
Hospital	1. Hettipola	2 doctors
	2. Hadungamuwa	1 doctor
Temple	12 Nos.	12 monks
Market	1. Hettipola	
Cooperative Trading Centre	1. Sonutta	1 manager, 1 assistant
	2. Nugagolla	1 manager, 1 assistant
	3. Wilgamuwa	1 manager, 1 assistant
	4. Hettipola	
	5. Dewagiriya	1 manager, 1 assistant
	6. Bogahawewa	1 manager, 1 assistant
	7. Xaraugahawewa	1 manager, 1 assistant
	8. Maraka	1 manager, 2 assistants
	9. Ladiangala	1 manager, 1 assistant
	10. hadungamuwa	1 manager, 1 assistant
	11. Mendakanda	1 manager, 1 assistant
Rice Mill	1. Hettipola 5 Mills	10 workmen
	2. Wilgamuwa 4 Mills	8 workmen
	3. Maraka 4 Mills	8 workmen
	4. Hadungamuwa 6 Mills	12 workmen
Paddy Marketing Board Store	1. Hettipola	
	2. Hadungamuwa	
Bank	1. Peoples Bank	
	2. Bank of Ceylon	
Well	1. Taps	
	2. Other	

Table A 3-7-1g Social Infrastructure ( Nagadeepa )

Item	Location	Description
Market	-	-
Storage Facilities	1. Tissapura	agrarian service stores
School	1. Keselpotha	9 teachers, 335 students
	2. Ikiriyagoda	1 teacher, 100 students
	3. Tract 12	9 teachers, 439 students
	4. Orubendiwala	21 teachers, 846 students
	5. Serana	5 teachers, 240 students
	6. Arawatta	8 teachers, 341 students
	7. Tissapura	31 teachers, 1301 students
	8. Gemunupura	21 teachers, 719 students
	9. Abeyapura	16 teachers, 540 students
Dispensary & Hospital	1. Tissapura	Tissapura Dispensary
Bank	1. Tissapura	Rural Bank

Table A5-3-1 Depth Average of New Well

STAGE I

AREA NO.	DEEP WELL		SHALLOW WELL	
	QTY	AVERAGE DEPTH (m)	QTY	AVERAGE DEPTH (m)
1	0	30(10)	2	6
2	2	30(10)	1	8
3	1	30(10)	1	8
4	2	30(10)	1	8
5	1	30(10)	0	8
6	1	30(10)	1	8
7	1	30(10)	1	8
8	2	30(10)	2	6
9	3	40(15)	3	9
10	1	40(10)	2	8
11	2	40(10)	0	8
12	2	30(10)	0	6
13	1	40(10)	0	8
14	2	30(10)	3	8
15	2	40(10)	2	8
16	1	40(10)	2	8
17	2	40(10)	4	8
18	3	40(10)	5	8
19	1	40(10)	2	6
20	2	30(10)	1	6
21	3	30(10)	0	6
22	2	40(10)	1	8
23	2	40(15)	1	9
24	2	40(10)	0	8
25	1	50(15)	0	9
26	2	50(10)	0	8
27	0	30(10)	0	8
28	1	30(10)	0	8
29	0	30(10)	0	6
30	4	30(10)	3	6
31	4	30(10)	3	8
TOTAL	53	35	41	7.6

( ) CASING

STAGE II

AREA NO.	DEEP WELL		SHALLOW WELL	
	QTY	AVERAGE DEPTH (m)	QTY	AVERAGE DEPTH (m)
1	2	30(10)	1	8
2	5	35(10)	5	8
3	0	30(10)	1	8
4	0	30(10)	1	8
5	0	35(10)	2	8
6	2	35(10)	2	8
7	1	35(10)	1	8
8	2	35(10)	1	8
9	4	35(10)	3	8
10	2	35(10)	1	8
11	1	35(10)	1	8
12	2	35(10)	2	8
13	3	30(10)	4	8
14	1	30(10)	1	8
15	1	30(10)	3	8
16	1	35(10)	1	8
17	4	35(10)	3	8
18	1	35(10)	1	8
19	1	50(10)	1	8
20	3	50(15)	2	9
21	4	50(15)	4	9
22	4	50(15)	4	9
23	7	50(15)	7	9
24	4	50(15)	4	9
25	3	50(15)	3	9
26	1	50(15)	1	9
27	1	40(10)	1	8
28	2	50(10)	5	8
TOTAL	62	39	66	8.3

( ) CASING

STAGE III

AREA NO.	DEEP WELL		SHALLOW WELL	
	QTY	AVERAGE DEPTH (m)	QTY	AVERAGE DEPTH (m)
1	0	50(10)	1	8
2	0	50(10)	3	8
3	0	40(10)	4	8
4	0	40(10)	3	8
5	0	40(10)	3	8
6	0	40(10)	10	8
7	0	40(15)	0	9
8	0	40(15)	0	9
9	0	40(15)	0	8
10	0	40(15)	0	8
11	0	40(15)	3	8
12	0	50(15)	3	8
13	0	40(15)	2	9
14	0	50(10)	2	8
15	0	50(15)	0	9
16	0	40(10)	0	8
17	0	30(10)	1	8
18	0	30(10)	3	8
19	0	30(10)	3	8
20	0	50(10)	0	8
21	0	30(10)	0	8
22	0	40(10)	1	8
23	0	50(10)	1	8
24	0	40(10)	6	8
25	0	40(10)	6	8
TOTAL	0	41	55	8.2

( ) CASING

Table A5-3-1 Depth Average of New Well

STAGE IV

AREA NO.	DEEP WELL		SHALLOW WELL	
	QTY	AVERAGE DEPTH (m)	QTY	AVERAGE DEPTH (m)
1	0	30(10)	4	8
2	0	30(10)	0	8
3	0	30(10)	1	8
4	0	30(10)	2	8
5	0	30(10)	2	8
6	0	30(10)	1	8
7	0	40(10)	1	8
8	0	30(10)	1	8
Σ	0	31	12	8

( ) CASING

KAGADEEPA

AREA NO.	DEEP WELL		SHALLOW WELL	
	QTY	AVERAGE DEPTH (m)	QTY	AVERAGE DEPTH (m)
A	2	30(10)	2	8
B	4	30(10)	4	8
C	1	30(10)	1	8
D	2	30(10)	2	8
E	2	30(10)	2	8
F	1	30(10)	2	8
G	4	30(10)	5	8
H	3	50(15)	4	9
I	3	50(15)	3	9
J	2	50(15)	2	9
K	1	50(15)	1	9
L	0	50(15)	1	9
M	4	50(15)	5	9
N	1	50(15)	2	9
O	1	30(10)	2	9
P	3	30(10)	2	9
Q	1	30(10)	2	9
R	4	35(10)	4	8
S	2	30(10)	3	8
T	2	30(10)	3	8
U	1	30(10)	1	8
Σ	44	37	53	8.5

( ) CASING







JICA