

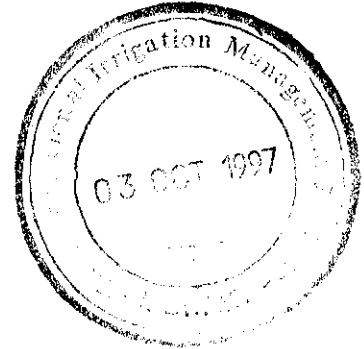
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farmer attributes / survey

Sri Lanka / Anuradhapura

Identification of Hydrologically Endowed Small Tanks for Rehabilitation and Agronomy Development Potential in the Cascades of Anuradhapura District, North Central Province, Sri Lanka

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CASCADE REPORTS WITH SPECIFIC RECOMMENDATIONS FOR MEDIUM TANKS

April 1997

**International Irrigation Management Institute
Sri Lanka National Program
127 Sunil Mawatha
Pelawatte, Battaramulla**

H 21246

Medium tanks

Tanks in priority order of endowment

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Kebithigollewa DS division - 2

Cascade : Kolibendawewa (10)

Not endowed cascade V/R50= 4.14 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
2	10	1	Hendagame wewa (11)	80	109.26		2.25	0.43	1.00	38	A medium tank. i. Strengthen tank bund. ii. Replace LB step sluice. iii. Improvements to spill. iv. Improvements to canals.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Low investment.

Kebithigollewa DS division - 2

Cascade : Thammennawa (12)

Not endowed cascade V/R50= 2.25 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
2	12	1	Watte wewa (9)	120	80.90	1989	1.68	0.38	1.00	54	<ol style="list-style-type: none"> 1. Raise spill to increase capacity. 2. Bund - arrest leak at the old sluice - rise bund to proper level by filing. 3. LB sluice - repair leak at gate & provide distributory outlet with stilling basin. RB sluice - repair damaged inlet. 4. Rehabilitated channel system. 	Not recommended.	No investment.

Kebithigollewa DS division - 2

Cascade : Kiwulekada (11)

Not endowed cascade V/R50= 2.03 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
2	11	1	Gonahaddenawa wewa (5)	110	95.10	1971 ID	0.61	0.84	1.00	56	<ol style="list-style-type: none"> 1. Raise, widen and graveled as used as a road. 2. Repair all sluices to arrest leaks. 3. Rehabilitate channel system. 4. Desilt tank bed. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Kebithigollewa DS division - 2

Cascade : Meegaha Ulpotha (9)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
2	9	1	Kebithigollewa wewa (10)	183	131.52	1983	0.85	0.72	0.86	42	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Repair gate of sluice to arrest leaks. 3. Provide proper channel system for water management. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Kebithigollewa DS division - 2

Cascade : Eithalwidda wewa (15)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
2	15	1	Iethalawidda wewa (4)	40	107.24	1993 maintanance	0.52	0.10	0.10	58	<ol style="list-style-type: none"> 1. Raise bund to proper level to maintain free board and strengthen bund. 2. Repair both damaged sluices. 3. Provide proper channel system. 4. Desilt tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - D</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Medawachchiya DS division - 3

Cascade : Parana Halmillewa (23)

Endowed cascade V/R50= 5.42 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
3	23	1	Ethakada wewa (5)	100	84.90	1987	2.17	1.12	0.57	58	<ol style="list-style-type: none"> 1. Repair LB sluice DLS pipe line and outlet. 2. Fill up the depressions in the bund 3. Spill tail canal should be diverted to Katukeliyawa wewa 	<p>Recommended.</p> <p style="text-align: center;">Type - F</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Medawachchiya DS division - 3

Cascade : Muruthamaduwa (10)

Not endowed cascade V/R50= 3.86 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
3	10	1	Muruthamaduwe wewa (18)	100	113.30	1957	4.69	1.38	1.00	30	1. Minor repairs to bund to make good the scours. 2. Raise spill crest level to increase capacity.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Low investment.
3	10	2	Periyakulame wewa (4)	110	93.10	1995	1.06	1.11	0.58	46	1. Lower the sluice sill. 2. Rehabilitate the channel system.	Not recommended.	No investment.

Medawachchiya DS division - 3

Cascade : Medawachchiya (16)

Not endowed cascade V/R50= 0.50 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	CIWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
3	16	1	Medawachchiya wewa (28)	40	95.10		1.10	0.94	1.00	46	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Arrest leak in the sluice. 3. Arrest leak in the spill. 4. Rehabilitate canal system. 5. Desilt tank bed. 	<p>Recommended.</p> <p>Type - A.</p> <p>- All tank repairs and improvements. - Improve water use efficiency.</p>	Medium investment.
3	16	2	Mahadivul wewa (3)	56	110.07	1996 JTF	0.38	0.61	0.55	0		Not recommended.	No investment.

Medawachchiya DS division - 3

Cascade : Kiddawarankulama (7)

Not endowed cascade V/R50= 0.09 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
3	7	1	Kidawarankulama wewa (18)	167	148.52	1985/1986 ID	1.09	0.44	1.00	56	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Repair to sluices to arrest leaks. 3. Repair to spills to arrest leaks. 4. Rehabilitate channel system. 5. Desilt tank bed. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Medium investment.
3	7	2	Siyabalagas wewa (7)	0	80.94	1996/1997 NIRP	0.96	0.34	0.45	0		Not recommended.	No investment.

Nuwaragam Palatha (Central) DS division - 4

Cascade : Vihara Thirappane (15)

Endowed cascade V/R50= 5.52 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
4	15	1	Vihara Hammillakulam (3)	300	80.13	1983,1984 ID	0.99	0.39	0.50	50	<ol style="list-style-type: none"> 1. Raise bund to proper level. 2. Repair RB sluice to arrest leaks. 3. Minor repairs to spill. 4. Provide proper channel system. 5. Desilt tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - J</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Resource augmentation. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Nuwaragam Palatha (Central) DS division - 4

Cascade : Galkadawala (18)

Not endowed cascade V/R50= 2.23 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/TWD ratio	C/TWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
4	18	1	Galkadawala wewa (9)	100	161.90	75/76	0.83	0.18	0.88	62	<ol style="list-style-type: none"> 1. fill the depressed sections of the bund. 2. Repair RB sluice leak at gate and D/S outlet. 3. Cut the canal from LB high level sluice. 4. Repair damage. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	High investment.

Nuwaragam Palatha (Central) DS division - 4

Cascade : Bellankadawala (22)

Not endowed cascade V/R50= 1.34 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
4	22	1	Bellankadawala wewa (9)	90	80.90	1960	1.02	0.58	0.50	50	<ol style="list-style-type: none"> 1. Sluices: LB - fix the gate. RB -repair leak at gate. 2. Bund - fill to make good the depressions and scours, provide wider section for traffic crossing and graves the top. 3. Rehabilitate the existing channel system. 	<p>Recommended.</p> <p>Type - B.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Nuwaragam Palatha (Central) DS division - 4

Cascade : Galpottagama (7)

Not endowed cascade V/R50= 1.32 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
4	7	1	Galpoththegame wewa (10)	295	113.30	1994 maintanance	0.98	0.32	0.89	42	A medium tank. Minor repairs done in 1994 by JTF. Rehabilitate the canal system.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Medium investment.

Nuwaragam Palatha (Central) DS division - 4

Cascade : Mahabulankulama (14)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
4	14	1	Mahabulankulama wewa (11)	195	84.98		1.14	0.93	1.00	62	<ol style="list-style-type: none"> 1. Raise bund to maintaining free board. 2. Replace both sluices to arrest leaks. 3. Replace both spills to arrest leaks. 4. Provide proper channel system. 5. Desilt tank bed. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	High investment.

Maha Wilachchiya DS division - 5

Cascade : Maningamuwa (8)

Not endowed cascade V/R50= 0.62 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
5	8	1	Maningamuwa wewa (1)	40	98.34	1987 ID	0.51	0.48	0.70	54	<ol style="list-style-type: none"> 1. Raise and strengthen bund. 2. Improve center sluice minor repair. 3. Provide proper channel system. 4. Desilt tank bed. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Mihintale DS division - 11

Cascade : Weruppankulama (20)

Not endowed cascade V/R50= 0.15 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/TWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
11	20	1	Weruppan Kulama wewa (4)	130	107.28		0.55	0.60	0.43	50	<ol style="list-style-type: none"> 1. Raise bund to proper level. 2. Major repairs to sluice. 3. Repair RB canal. 4. Provide proper canal system. 5. Eradicate salvenia. 6. Repair to spill. 7. Desilt tank bed. 	<p>Recommended.</p> <p>Type - D</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Rambewa DS division - 12

Cascade : Pihimbiyagollewa (11)

Not endowed cascade V/R50= 3.36 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
12	11	1	Pihimbiyagollewa wewa (20)	100	91.05		1.77	1.40	1.00	58	A medium tank. 1. full rehabilitation to canal system. 2. Relocate the sluice. 3. Repair spills.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Medium investment.
12	11	2	Wewalketiya wewa (11)	80	84.98	1992	0.60	0.78	1.00	50	A medium tank. Rehabilitated in 1995.	Not recommended.	No investment.

Rambewa DS division - 12

Cascade : Kapriggama (10)

Not endowed cascade V/R50= 1.10 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
12	10	1	Kapiriggama wewa (15)	320	145.70	1968	1.00	1.18	0.55	58	<ol style="list-style-type: none"> 1. Fill the bund to proper level making good the scours and depressions. 2. Repair leak at the gate of the RB sluice. 3. Arrest leaks beneath the foundations. 4. Rehabilitate the canal system. 	<p>Recommended.</p> <p>Type - B.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.

Rambewa DS division - 12

Cascade : Kadurugasdamana (3)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
12	3	1	Ambagaha wewa (5)	127	80.94	1980 ID	1.14	0.43	0.56	46	<ol style="list-style-type: none"> 1. Minor repairs to bund to arrest leaks. 2. Repair both sluices to arrest leaks. 3. Direct spill channel to Kuda wewa. 4. Rehabilitate RB channel system. 	<p>Recommended.</p> <p style="text-align: center;">Type - B.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional improvements. - Improve water use efficiency. 	Medium investment.
12	3	2	Kadurugas Damana (3)	22	80.94	1982 ID	0.75	0.50	0.65	40	<ol style="list-style-type: none"> 1. Raise bund to proper level. 2. Construct spill tail channel with a cause way on the main road with a forward bund to protect the paddy fields. 3. Provide gates. 4. Desilt tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Rambewa DS division - 12

Cascade : Kokatiyagollewa (12)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
12	12	1	Kokatiyagolle wewa (8)	100	80.94	1993 10,000 project maintainanc	1.20	0.97	1.00	46	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Replace LB sluice. 3. Provide proper channel system. 4. Desilt tank bed. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Medium investment.

Kahatagasdigiliya DS division - 13

Cascade : Gangurawa (10)

Endowed cascade V/R50= 5.65 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/TWD ratio	C/TWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	10	1	Kanadara Ratmale wewa (9)	130	131.52	1994	0.86	1.13	0.70	22	Rehabilitated in 1994 by ID.	Not recommended.	No investment.

Kahatagasdigiliya DS division - 13

Cascade : Rampathwila (6)

Endowed cascade V/R50= 5.57 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	6	1	Ranpathwila wewa (30)	230	103.19	1983	5.18	2.93	0.88	56	<ol style="list-style-type: none"> 1. Improve canal system. 2. Repair the sluices. 3. Raise the tank bund. 4. Putup pickup anicuts to reuse drainage water. 	<p>Recommended.</p> <p>Type - E</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Command area expansion. - Water diversion. - Improve water use efficiency. 	Medium investment.
13	6	2	Bethkewa wewa (19)	400	80.50	1971	4.15	1.36	0.80	42	<ol style="list-style-type: none"> 1. Repairs to sluices. 2. Tap the drainage channels at 3 locations to feed command area that suffer from lack of water. 	<p>Recommended.</p> <p>Type - E</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Command area expansion. - Water diversion. - Improve water use efficiency. 	Medium investment.
13	6	3	Watarak wewa (13)	100	105.22	1972	1.22	1.12	0.32	66	<ol style="list-style-type: none"> 1. Replace step sluice. 2. Repairs to other sluice. 3. Repair channel system. 	<p>Recommended.</p> <p>Type - F</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional 	High investment.

												improvements. - Improve water use efficiency.	
13	6	4	Kahatagasdigiliya wewa (9)	60	89.03	1970	0.76	1.01	1.00	50	<ol style="list-style-type: none"> 1. Strengthen tank. 2. Clean inflow streams to tank. 3. Repair canal system. 4. Repair spill & provide bathing spots. 	<p>Recommended.</p> <p>Type - I</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Resource augmentation. - Improve water use efficiency. 	Medium investment.

Kahatagasdigiliya DS division - 13

Cascade : Pandarellewa (16)

Not endowed cascade V/R50= 2.68 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	16	1	Pandarellawa wewa (17)	95	115.33		1.28	0.36	0.77	40	A medium tank. Amoderate rehabilitation reqiored.	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Medium investment.

Kahatagasdigiliya DS division - 13

Cascade : Ella wewa (9)

Not endowed cascade V/R50= 2.07 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	CAWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	9	1	Ella wewa (12)	110	147.80	1988/1989 ID 1996 JTF	0.86	0.79	1.00	22		Not recommended.	No investment.

Kahatagasdigiliya DS division - 13

Cascade : Iethalwetuna wewa (19)

Not endowed cascade V/R50= 1.37 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	19	1	Thalatte wewa (9)	74	117.00		0.23	0.24	0.43	66	<ol style="list-style-type: none"> 1. Minor repairs to bund with bathing steps. 2. Repair LB sluice. * 3. Construct inflow canal. 4. Provide proper canal system. 5. Desilt tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - D</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Management and institutional improvements. - Improve water use efficiency. 	High investment.

Kahatagasdigiliya DS division - 13

Cascade : Nelugollakada (18)

Not endowed cascade V/R50= 1.34 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	18	1	Wahagahapu wewa (11)	70	84.90		1.62	1.25	1.00	43	A neduyn tank. Repairs to sluices and canal structures only.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Medium investment.
13	18	2	Nelugolle Kuda wewa (8)	100	101.20	1982	1.56	0.44	0.70	47	A medium tank. 1. Increase storage capacity. 2. Provide a regulator for the canal connecting this tank to Kumbukgollewa tank. 3. Repair channels.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	Medium investment.
13	18	3	Dekatipotane wewa (7)	175	161.90	1972	0.83	0.36	0.75	63	A medium tank. 1. Indrease tank capacity. 2. Repairs to canals. 3. Repaire to sluice.	Recommended. Type - C. - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency.	High investment.

Kahatagasdigiliya DS division - 13

Cascade : Pethiankada (1)

Not endowed cascade V/R50= 1.24 %

Div. No.	Cas. No.	Prlo. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	1	1	Pethiyankada wewa (15)	80	85.02	1995/1996 NIRP	1.12	0.76	1.00	22		Not recommended.	No investment.
13	1	2	Maha Wewalkada wewa (26)	88	89.06		1.07	0.60	0.81	54	<ol style="list-style-type: none"> 1. Raise bund to proper level. 2. Rehabilitate the existing channel system. 3. Desilting. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Medium investment.

Kahatagasdigiliya DS division - 13

Cascade : Hammillewa (4)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
13	4	i	Maha Hammillawa wewa (20)	87	95.91		0.95	0.96	1.00	40	Farmers wanted to construct anicut upstream to cultivate extra 22 ha. Construct/repair sluices.	Recommended. Type - C. - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency.	Medium investment.

Horowpatana DS division - 14

Cascade : Horowpathana (6)

Endowed cascade V/R50= 26.44 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	6	1	Welimivapothana wewa (4)	60	80.94		1.25	1.39	1.00	38	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Repair sluices to arrest leaks. 3. Rehabilitate channel system for better water management. 	<p>Recommended.</p> <p style="text-align: center;">Type - E</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Command area expansion. - Water diversion. - Improve water use efficiency. 	Low investment.
14	6	2	Horowpathana wewa (29)	100	80.94		1.17	1.45	1.00	40	<ol style="list-style-type: none"> 1. Minor repairs to bund (raise and atrengthen). 2. Rehabilitate canal system. 3. Desilt the tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - E</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Command area expansion. - Water diversion. - Improve water use efficiency. 	Medium investment.
14	6	3	Mahakivlekada wewa (19)	145	161.87		1.17	0.22	0.25	54	<ol style="list-style-type: none"> 1. Raise bund to proper level. 2. Repair LB sluice gate. 3. Rehabilitate LB main channel. 4. Repair leaks in the spill. 5. Desilt tank bed. 	<p>Recommended.</p> <p style="text-align: center;">Type - H</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Capacity augmentation. 	Medium investment.

Horowpatana DS division - 14

Cascade : Puliyankadawala (14)

Endowed cascade V/R50= 5.26 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/TWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	14	1	Kanhindewa wewa (13)	120	97.10	1984	3.86	0.52	0.00	30	<ol style="list-style-type: none"> 1. Raise and strengthen bund. 2. Repair leaks at the sluice gate. 3. Raise spill increase capacity. 4. Rehabilitate channel system. 	<p>Recommended.</p> <p style="text-align: center;">Type - F</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Management and institutional improvements. - Improve water use efficiency. 	Low investment.

Horowpatana DS division - 14

Cascade : Dutu wewa (3)

Not endowed cascade V/R50= 2.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	3	1	Ambagas wewa (3)	117	101.20	92/95	1.81	1.39	0.60	50	<ol style="list-style-type: none"> 1. To fill up the weak place in the bund. 2. Fill the depressions and the scour in the bund. 3. Repair the channels. 4. Repair channels. 	Not recommended.	No investment
14	3	2	Dik wewa (4)	70	121.40	1974	0.36	0.06	0.15	34	<ol style="list-style-type: none"> 1. Raise spill by 3 ft to raise capacity. 2. Raise the bund accordingly. 3. Provide new spill. 4. Repair channels. 5. Construct feeder channel from Ambagahawewa 	<p>Recommended.</p> <p>Type - D</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Management and institutional improvements. - Improve water use efficiency. 	Low investment.
14	3	3	Palugas wewa (6)	80	121.40	1988	0.22	0.24	0.10	38	<ol style="list-style-type: none"> 1. supplying and fixing RB sluice gate. 2. Bund filling of low sections and scours. 3. Repair channels. 4. Construct feeder Canal from Dutu wewa LB spill. 	Not recommended.	No investment.

Horowpatana DS division - 14

Cascade : Diyathitha wewa (21)

Not endowed cascade V/R50= 1.28 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	21	1	Walachchida wewa (9)	140	114.10	1994	1.34	0.22	0.32	32	1. Make good the depressed sections in the bund by filling. 2. Repai leak through pipes of RB sluice.	Not recommended.	No investment.

Horowpatana DS division - 14

Cascade : Kalpemorakewa (10)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	CIWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	10	1	Wadiga wewa (13)	250	109.27	1994 maintanance & repairs	0.99	0.75	0.90	56	<ol style="list-style-type: none"> 1. Minor repairs to bund. 2. Repair LB sluice to arrest leaks. 3. Rehabilitate canal system. 4. Construct anicut accross Yan oya and construct a feeder canal to the tank. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.
14	10	2	Kalpe Morakewa wewa (12)	109	107.24		0.82	0.72	0.80	56	<ol style="list-style-type: none"> 1. Raise bund to proper level - Rb and breach section to be done. 2. Provide bathing steps to bund. 3. Provide proper channel system. 4. Desilt tank bed. 	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Horowpatana DS division - 14

Cascade : Olugaskada (12)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	CIWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
14	12	1	Thirappankadawala (12)	200	151.76	1996 Provincial Council	0.71	0.86	1.00	42		Not recommended.	No investment.

Galenbindunuwewa DS division - 15

Cascade : Divulwewa (17)

Not endowed cascade $V/R50 = 1.27\%$

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
15	17	1	Divul wewa (12)	80	455.67		1.54	1.51	1.00	34	A medium tank. Farmers require improvements to canal system.	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Low investment.

Galenbindunuwewa DS division - 15

Cascade : Himbutugollewa (5)

Not endowed cascade V/R50= 0.64 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
15	5	1	Siyabalawa wewa (3)	150	91.05		0.54	0.51	1.00	58	A full repair.	<p>Recommended.</p> <p>Type - C.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency. 	Medium investment.

Thirappane DS division - 16

Cascade : Pahala Ambatale (8)

Endowed cascade V/R50= 5.87 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
16	8	1	Pahala Ambatale wewa (7)	125	80.90	1993	2.80	0.40	0.55	58	1. Bund fill the depressions. 2. Minor repairs to spill. 3. Extend the main channel to Kuda wewa.	Not recommended.	No investment.

Thirappane DS division - 16

Cascade : Ulagalla (6)

Not endowed cascade V/R50= 4.60 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
16	6	1	Thodamaduwa wewa (22)	100	101.20	1980	4.57	0.21	1.00	62	<ol style="list-style-type: none"> 1. Raise bund to proper level and gravel it is used as a road 2. Repair leak at the LB sluice. 3. Reconstruct the damaged spills raising to increase capacity. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	High investment.
16	6	2	Periya Kulama wewa (14)	125	93.10	1980	1.93	1.34	0.74	54	<ol style="list-style-type: none"> 1. Replace extreme LB step sluice. 2. Repair the leak at gates of LB and RB sluices. 3. Increase length of LB spill. 4. Raise bund to proper level and provide 2 Nos. traffic crossings. 5. Rehabilitate channel system. 	<p>Recommended.</p> <p>Type - A.</p> <ul style="list-style-type: none"> - All tank repairs and improvements. - Improve water use efficiency. 	Medium investment.

Thirappane DS division - 16

Cascade : Muriyakadawala (17)

Not endowed cascade V/R50= 0.43 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
16	17	1	Orukmankulama wewa (5)	0	97.16	1996 Samurdhi PC	0.85	0.57	0.88	42		Not recommended.	No investment.
16	17	2	Muriyakadawala wewa (1)	60	97.16	1996 NIRP	0.35	0.52	1.00	0		Not recommended.	No investment.

Thirappane DS division - 16

Cascade : Wannankulama (16)

Not endowed cascade V/R50= 0.05 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
16	16	1	Uttimaduwa wewa (3)	150	129.50	1995	0.64	1.24	1.00	64	<ol style="list-style-type: none"> 1. Fill depressions on the bund and provide gravel surface. 2. Desilting. 3. Repair channel system. 4. Repair sluice gates. 5. Provide bathing steps. 	Not recommended.	No investment.

Palugas wewa DS division - 17

Cascade : Demunnewa (6)

Not endowed cascade V/R50= 1.21 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
17	6	1	Thumbikulama wewa (12)	100	80.94	1982 DAS (maintain)	1.28	0.65	0.84	78	1. Raise bund to proper level and strengthen bund. 2. 3. Provide doors and lifting gear to sluices. 4. Provide proper channel system.	Recommended. Type - A. - All tank repairs and improvements. - Improve water use efficiency.	High investment.
17	6	2	Bellankadawala wewa (8)	0	101.17	1996,1997 NIRP	1.22	0.95	1.00	0		Not recommended.	No investment.

Palugas wewa DS division - 17

Cascade : Palugaswewa (8)

Not endowed cascade V/R50= 0.00 %

Div. No.	Cas. No.	Prio. order	Tank	No. of families	Command area (ha)	Previous year of rehabilitation	RO/IWD ratio	C/IWD ratio	Maha CI	PSS score	Farmer's proposal in priority order	Recommendations	Investment level
17	8	1	Horiwila wewa (12)	200	289.30	1971	0.89	1.62	0.88	62	A medium tank. 1. Bund repairs. 2. Repairs to spill. · 3. change sluice sites (LB) 4. Repair canal system.	Recommended. Type - C. - All tank repairs and improvements. - Provide dug wells. - Improve water use efficiency.	High investment.